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Prepared by the Staff of the

Federal-State Joint Board

In CC Docket No. 80-286

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Monitoring Report
CC Docket No. 87-339
December 1988

Introduction and Summary

This is the sixth report of a series of quarterly reports being issued over a five-year period that is intended to help telecommunications policymakers and the general public monitor the impact of two major decisions adopted by the Federal Communications Commission (Commission) during 1987. In the first of these decisions, the Commission adopted the recommendations of the Federal-State Joint Board in CC Docket No. 80-286 to increase subscriber line charges, expand the federal lifeline assistance program, retarget the formula for high cost assistance, and modify the common line pooling system. In the second decision, the Commission adopted the recommendations of the Federal-State Joint Board in CC Docket No. 86-297 to simplify jurisdictional separations rules and conform those rules to the recently revised Uniform System of Accounts.

In an Order released on August 26, 1987, the Commission acted upon the recommendations of the Joint Boards in CC Docket Nos. 80-286 and 86-297, and established a program to monitor the impact of the two decisions noted above. This report presents currently available data in each of the eight subject categories selected for monitoring, which are: (1) subscribership and penetration levels; (2) lifeline assistance plans, including both the subscriber line charge waiver and Link-Up programs; (3) costs and high cost assistance; (4) network usage and growth; (5) rates and revenues; (6) bypass; (7) pooling and rate deaveraging; and (8) jurisdictional shifts in revenue requirements.

The eight monitoring categories, and much of the text describing those monitoring categories, remain unchanged from our previous monitoring report. However, since our September monitoring report, new information in several of the areas we are monitoring has become available. For example, new bypass reports that were filed in October are summarized herein. Also, the cost data from the September universal service fund filing are provided herein. We have not yet had time to analyze these data, but they are being provided now for public reference. The Consumer Price Index (CPI) and Producer Price Index (PPI) are now available through October 1988. The most recent data show that for the first 10 months of 1988, the nation's overall annualized rate of inflation was 5.0% (measured by the CPI for all items). The CPI price of telephone service increased at an annual rate of 0.1% during the same period. The CPI for telephone services is based on a market basket of services purchased by typical consumers and thus includes both local and long distance service. More specifically, the overall CPI for telephone service is composed of three subindexes. During this period, the local service component (including subscriber line charges) increased at an annual rate of 1.9%, while the price of interstate toll calls fell at an annual rate of 1.5% and the price of state toll calls fell

at an annual rate of 4.8%. This report also includes a substantial amount of network usage data, including new data for 1987 and revisions of data for previous years. These usage data supercede those in previous reports. Although no more recent subscribership information has been received since the last report, this report does provide extensive information on the relationship between income and telephone penetration.

The data and comments in this report and in past reports will serve as the foundation for the review to be undertaken by members of the Joint Board and the FCC in CC Docket No. 80-286 prior to the final increase in subscriber line charges scheduled for April 1989. We emphasize that our monitoring efforts are being conducted in the context of an open docket (CC Docket No. 87-339) which allows materials, comments, and studies to be submitted at any time. The comments that have been received since the last report are summarized in each section of this report, insofar as they relate to that section. Summaries of comments received relating to the first 90-day study and review, which were included in the report ¹ that resulted therefrom, are not repeated in this report. We plan to continue to include in future reports a list and summary of comments that have been received in the docket in the period since the previous report. To help the Joint Board and the FCC study and review the effects of their decisions, we are again asking interested parties to review the information in these reports and to submit comments. Comments that are to be considered for the second 90-day study and review were due by December 9, 1988, and reply and further comments are due by January 17, 1989.

The deadline for submission of information for each future monitoring report is the tenth day of the month preceding the one in which the report is released. Thus, the deadline for March reports is February 10, for June reports May 10, for September reports August 10, and for December reports November 10. Despite this deadline, the staff intends to report all filings made in the docket at the earliest possible time. In this report we have been able to incorporate all information received prior to November 30, 1988. While materials filed after the formal cutoff date will continue to be included whenever possible, filings received after the deadline will usually appear in the next report. For ease of public reference, we ask that parties submitting materials for the docket provide a duplicate copy to the Public Reference Room of the Common Carrier Bureau's

1 MTS and WATS Market Structure, Amendment of Part 36 of the Commission's Rules and Establishment of a Joint Board, Establishment of a Program to Monitor the Impact of Joint Board Decisions, CC Docket Nos. 78-72, 80-286, and 87-339, Study and Report, FCC 88 J-3, released November 25, 1988.

Industry Analysis Division, ² where copies of all materials filed in the docket are available for public reference.

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1. Subscribership and Penetration Levels

The number and percentage of households that have telephone service represent the most basic measures of the extent of universal service. Continuing analysis of telephone penetration statistics allows us to examine trends in households' decisions to maintain, acquire or drop telephone service due to Commission actions and other factors such as general trends in employment levels and the strength of the economy. This section presents comprehensive data on telephone penetration statistics collected by the Bureau of the Census under contract with the FCC. Along with telephone penetration statistics for the United States from November 1983 to July 1988, data are provided on penetration based on income levels in each state. Summaries of materials relating to telephone subscribership received since the last report are also included in this report.

Prior to the 1980s, precise measurements of telephone subscribership received little attention. The most widely used measure of telephone availability is the percentage of households with telephone service --sometimes called a measure of telephone "penetration". This statistic, however, can be subject to large measurement errors. Traditionally, telephone penetration was measured by dividing the number of residential telephone lines by the number of households. With some households adding second telephone lines and with an increasing number of second homes, measures of penetration based on the number of residential lines became subject to a large margin of error.

By 1980, the traditional penetration measure (residential lines divided by the number of households) reached 96% while the number of households reporting that they had telephones in the 1980 census was slightly less than 93%. Recognizing the need for precise periodic measurements of subscribership, the FCC requested that the Bureau of the Census include questions on telephones as part of its Current Population Survey (CPS), which monitors demographic trends between the decennial censuses. This survey is a staggered panel survey in which the people residing at particular addresses are included for four consecutive months in one year and the same four months in the following year. Use of the CPS has several advantages -- it is conducted every month by an independent and expert agency, the sample is large and the questions are consistent. Thus, changes in the results can be compared over time with a great deal of confidence.

Unfortunately, the results of the CPS cannot be directly compared with the penetration figures contained in the 1980 decennial census. This is because of differences in the sampling methodologies and because of differences in the context in which the questions were asked.

The specific questions asked in the CPS are: "Is there a telephone in this house/apartment?" and, if the answer to the first question is "no", "Is there a telephone elsewhere on which people in this household can be

called?" Although the survey is conducted every month, not all questions are asked every month. The telephone questions are asked once every four months, in the month that a household is first included in the sample and in the month that the household reenters the sample a year later. Since the sample is staggered, the information that is reported for any given month actually reflects responses over the preceding four months. Aggregated summaries of the responses are reported to the FCC, based on the surveys conducted through March, July, and November of each year. These reports are generally released approximately two months after the final month of each four-month survey period.

No data has been received from the Census Bureau that is more recent than that reported in the September monitoring reports. Census Bureau figures for July 1988, the most recent data available, show that in the past year the percentage of households subscribing to telephone service has increased by 0.5%. As a result of this increase and an increasing number of households, 2 million households were added to the nation's telephone system between July 1987 and July 1988.

Table 1.1 summarizes the telephone penetration for the United States, combining information on the number of households with the penetration rates. It shows that, for July 1988, 92.8% of all households in the U.S. have a telephone. The percentage of households with telephones is up 0.5% from the July 1987 report and down 0.1% from the March 1988 report. The increase from last July is statistically significant, and the decrease from March is not statistically significant. Chart 1.1 shows the states with penetration rates above and below the national average for July 1988.

The other tables and charts of the September monitoring report are not repeated here, since no updates of them are yet available. Instead, we provide a more detailed measure of the relation between telephone penetration and income, showing its changes over time, based on CPS data tapes for March of each year from 1984 through 1988. At the request of several parties, including the comments filed by the National Association of State Utility Consumer Advocates for the first 90-day study and review, these data are provided for each state as well as for the nation as a whole.

Once a year, in March, the CPS augments its regular survey with additional questions which include detailed information on income. In the July and November surveys, only broad income categories are included. The more detailed information from the March surveys makes it possible to adjust the income categories for inflation. The relative levels of the March Consumer Price Index for all items, as reported in Table 5.5, were used to make the inflation adjustment. Thus, for example, \$5,000 in March 1984 dollars has the same purchasing value as \$5,185 in March 1985 dollars, \$5,302 in March 1986 dollars, \$5,463 in March 1987 dollars, and \$5,677 in March 1988 dollars.

Table 1.2 and Chart 1.2 show the penetration rates for each income category for the total United States. As can be seen from the chart most income categories have experienced increases in penetration over time, with the largest increases being in the lowest income categories. This indicates that not all of the increases in penetration can be explained by increases in real income over the past few years, since real income increases are reflected in the movement of households between categories.

The data for individual states are in the following tables. Table 1.3 has data for Alabama, Table 1.4 Alaska, Table 1.5 Arizona, Table 1.6 Arkansas, Table 1.7 California, Table 1.8 Colorado, Table 1.9 Connecticut, Table 1.10 Delaware, Table 1.11 District of Columbia, Table 1.12 Florida, Table 1.13 Georgia, Table 1.14 Hawaii, Table 1.15 Idaho, Table 1.16 Illinois, Table 1.17 Indiana, Table 1.18 Iowa, Table 1.19 Kansas, Table 1.20 Kentucky, Table 1.21 Louisiana, Table 1.22 Maine, Table 1.23 Maryland, Table 1.24 Massachusetts, Table 1.25 Michigan, Table 1.26 Minnesota, Table 1.27 Mississippi, Table 1.28 Missouri, Table 1.29 Montana, Table 1.30 Nebraska, Table 1.31 Nevada, Table 1.32 New Hampshire, Table 1.33 New Jersey, Table 1.34 New Mexico, Table 1.35 New York, Table 1.36 North Carolina, Table 1.37 North Dakota, Table 1.38 Ohio, Table 1.39 Oklahoma, Table 1.40 Oregon, Table 1.41 Pennsylvania, Table 1.42 Rhode Island, Table 1.43 South Carolina, Table 1.44 South Dakota, Table 1.45 Tennessee, Table 1.46 Texas, Table 1.47 Utah, Table 1.48 Vermont, Table 1.49 Virginia, Table 1.50 Washington, Table 1.51 West Virginia, Table 1.52 Wisconsin, and Table 1.53 Wyoming.

Table 1.54 presents critical values for determining whether changes in penetration for the totals in the earlier tables are statistically significant. The Census Bureau data are based on a nationwide sample of about 58,000 households. Because a sample is used, the estimates are subject to sampling error. For the nationwide totals, the critical value for determining a significant difference in telephone penetration over time is 0.5% (at the 95% confidence level). For individual state totals, the amount of sampling variability is much greater. These critical values are shown in Table 1.54 and are relevant because changes less than or equal to the values shown are likely to be due to sampling error and thus cannot be regarded as demonstrating that a change in telephone penetration has occurred. Because there is an overlap of half of the sample from year to year, changes in consecutive years are less subject to variations in sampling error than changes in years that are not consecutive. Consequently the critical values should be multiplied by .8 when making a comparison for two consecutive years.

For individual income categories, the critical values are larger because the sample sizes are smaller. The sampling variability is inversely related to the square root of the sample size. The critical values for individual income categories can therefore be estimated by taking the critical values for the state total and multiplying it by the square root of the ratio of the sample size for the state total to the sample size for the

income category. In most cases the critical value for an individual income category will be between two and four times the critical value for the state total. Thus, for example, in comparing the penetration rates for 1986 and 1988 for households with incomes (in 1984 dollars) of \$4,999 or less for the United States total (see Table 1.2), the total sample sizes are 58,493 + 58,577 = 117,070. The sample sizes for the given income category are 5,085 + 4,990 = 10,075. The ratio of these is 117,070 / 10,075 = 11.62. The square root of this ratio is 3.41. Multiplying this by the critical value of 0.5% (from Table 1.54), yields a critical value of 1.7% for this income category. The difference in penetration rates is 76.1% - 74.0% = 2.1%. Because 2.1% is greater than 1.7%, this increase in penetration is statistically significant. Similarly, the square root of the ratio of the sample sizes for the same income category for 1987 and 1988 is 3.39. Since these are adjacent years, the critical value in this case is 3.39 times 0.5% times 0.8 (the adjacent year adjustment factor), which is 1.4%. Because the change in penetration rates is 76.1 - 75.3% = 0.8%, which is less than 1.4%, this increase in penetration is not statistically significant.

Using this methodology, the following increases in penetration are statistically significant for the United States total (incomes expressed in 1984 dollars): \$4,999 or less: 1985 to 1988 and 1986 to 1988; \$5,000 to \$9,999: 1984 to 1988; \$10,000 to \$14,999: 1985 to 1986 and 1985 to 1988; \$20,000 to \$24,999: 1986 to 1988; and total (all income categories combined): 1984 to 1987, 1985 to 1987, 1984 to 1988, 1985 to 1988, and 1986 to 1988. All other changes (both increases and decreases) in penetration for the United States total for any pairs of years for any income category are not statistically significant. We have not had time to make similar comparisons for individual states.

Comments Filed

Since the end of the comment period for the first 90-day study, three state commissions have filed materials relating to subscribership and penetration levels. They are the Public Utility Commission of Texas (Texas), the Michigan Public Service Commission (Michigan), and the State of Colorado Public Utilities Commission (Colorado). Summaries of these filings follow.

Texas notes that while the national penetration rate has gradually risen during the past several years, the penetration rate for Texas remains well below the national average. It expresses concern about the effect of subscriber line charges increases on residents in economically depressed areas. It also says that subscriber line charges impose penalties on low-volume users of interstate service, while providing benefits to high-volume users.

Michigan filed a report, "Michigan Bell Telephone Company: A Review of Post-Divestiture Actions Affecting Universal Service", prepared by Roger D. Colton of National Consumer Law Center, Inc., for Michigan Divestiture

Research Fund. The report criticizes the deposit policies of Michigan Bell and argues that these policies have a negative impact on universal service. It cites a 1986 survey in which 64% of Michigan households without service indicated that an inability to afford deposits was a contributing factor. It contends that Michigan Bell should not determine deposits for interexchange service, but that the interexchange carriers should bear the responsibility for determining such deposits. It claims that Michigan Bell's use of accounting groups based on length of service to determine treatment action for overdue bills is discriminatory. It notes that few customers subscribe to multiparty service and few low-income households subscribe to budget measured service. It argues that since most households spend on toll charges one-and-a-half to two times the amount they spend on local charges, budget services are not a substantial response to making telephone service to the poor more affordable. It contends that local service should not be terminated due to nonpayment of an interexchange bill. It argues that Michigan Bell does not offer settlement arrangements to enough customers who are behind on their payments. It also claims that Michigan Bell violates the Fair Credit Reporting Act and the Equal Credit Opportunity Act. It suggests several modifications to the Michigan Public Service Commission deposit regulations.

Colorado thinks that subscriber line charge increases have harmed subscribership, specifically for certain low-income groups. It argues that increases in penetration rates are the result of increases in income. It contends that penetration grew more rapidly before the institution of subscriber line charges than afterwards. It notes that penetration remains low among low-income groups. It suggests that this may be due partly to lack of awareness of federal (lifeline) assistance programs among eligible households. It says that the CPS sample size for individual states is too small to yield reliable estimates.

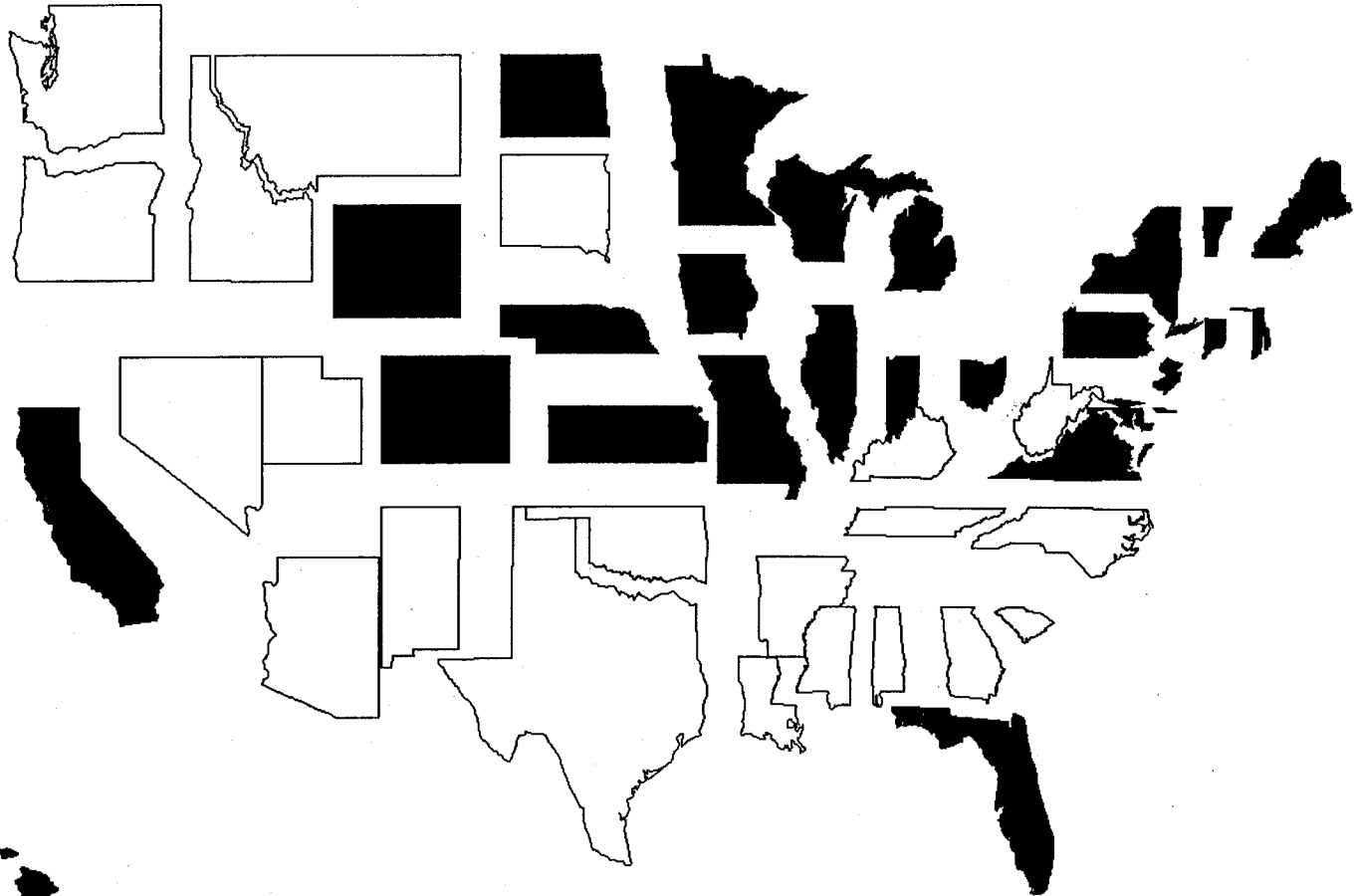
TABLE 1.1

Telephone Penetration in the U.S.

<u>Date</u>	<u>Households</u> (millions)	<u>Households</u> with <u>Telephones</u> (millions)	<u>Percentage</u> with <u>Telephones</u>	<u>Households</u> without <u>Telephones</u> (millions)	<u>Percentage</u> without <u>Telephones</u>
November 1983	85.8	78.4	91.4%	7.4	8.6%
March 1984	86.0	78.9	91.8	7.1	8.2
July 1984	86.6	79.3	91.6	7.3	8.4
November 1984	87.4	79.9	91.4	7.5	8.6
March 1985	87.4	80.2	91.8	7.2	8.2
July 1985	88.2	81.0	91.8	7.2	8.2
November 1985	88.8	81.6	91.9	7.2	8.1
March 1986	89.0	82.1	92.2	6.9	7.8
July 1986	89.5	82.5	92.2	7.0	7.8
November 1986	89.9	83.1	92.4	6.8	7.6
March 1987	90.2	83.4	92.5	6.8	7.5
July 1987	90.7	83.7	92.3	7.0	7.7
November 1987	91.3	84.3	92.3	7.0	7.7
March 1988	91.8	85.3	92.9	6.5	7.1
July 1988	92.4	85.7	92.8	6.7	7.2

Households with Phones

Above or below national average.



Solid ■ Above national average of 92.8%

TABLE 1. 2

UNITED STATES TOTAL

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	5490	7909.168	5931.335	75.0
5,000 - 9,999	8143	11707.474	9777.365	83.5
10,000 - 14,999	7687	11052.346	9823.671	88.9
15,000 - 19,999	7066	10199.457	9473.148	92.9
20,000 - 24,999	6376	9153.550	8713.547	95.2
25,000 - 29,999	5413	7843.243	7592.174	96.8
30,000 - 34,999	4492	6621.207	6436.114	98.0
35,000 - 39,999	3476	5053.135	4985.145	98.7
40,000 - 49,999	4688	6889.150	6803.683	98.8
50,000 OR MORE	5848	8724.161	8618.160	98.8
TOTAL	58679	35152.892	78204.342	91.8

TABLE 1. 2

UNITED STATES TOTAL

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME *	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	5085	7649.102	5661.677	74.0
5,302 - 10,603	7740	11610.816	9835.081	84.7
10,604 - 15,905	7100	10604.280	9512.759	89.7
15,906 - 21,207	6891	10324.238	9597.990	93.0
21,208 - 26,509	5953	9079.509	8566.343	94.3
26,510 - 31,811	5340	8003.261	7721.976	96.5
31,812 - 37,113	4538	6910.691	6741.490	97.6
37,114 - 42,415	3638	5432.427	5342.103	98.3
42,416 - 53,019	5101	7694.469	7586.169	98.6
53,020 OR MORE	7097	10884.418	10782.993	99.1
TOTAL	58493	88193.212	81348.581	92.2

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME *	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	5151	7526.815	5547.664	73.7
5,185 - 10,369	8194	11900.273	9984.762	83.9
10,370 - 15,554	7513	10357.801	9571.553	88.2
15,555 - 20,739	6965	10099.758	9386.583	92.9
20,740 - 25,924	6247	9050.509	8582.762	94.8
25,925 - 31,109	5542	8081.805	7815.353	96.7
31,110 - 36,294	4368	5398.560	6252.207	97.7
36,295 - 41,479	3685	5331.634	5255.332	98.6
41,480 - 51,869	4984	7293.322	7199.464	98.7
51,870 OR MORE	6625	9886.989	9784.286	99.0
TOTAL	59274	86427.467	79379.965	91.3

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME *	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	5159	7897.336	5944.814	75.3
5,463 - 10,925	7371	11241.539	9522.323	84.7
10,926 - 16,388	7067	10364.639	9672.665	89.0
16,389 - 21,851	6511	9793.239	9114.999	93.1
21,852 - 27,314	6000	9163.164	8740.457	95.4
27,315 - 32,777	5263	8135.819	7875.819	96.8
32,778 - 38,240	4483	6910.014	6741.161	97.6
38,241 - 43,703	3674	5728.672	5641.581	98.5
43,704 - 54,629	5029	7900.653	7817.325	98.9
54,630 OR MORE	7428	11779.765	11674.697	99.1
TOTAL	57985	89414.839	82745.843	92.5

TABLE 1. 2

UNITED STATES TOTAL

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME *	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	4990	7888.014	6001.088	76.1
5,677 - 11,353	7705	11785.635	10031.430	85.1
11,354 - 17,030	7064	10835.524	9733.799	89.8
17,031 - 22,707	6509	9982.990	9300.311	93.2
22,708 - 28,384	5766	8891.759	8556.997	96.2
28,385 - 34,061	5311	8125.365	7878.201	97.0
34,062 - 39,738	4496	7053.057	6915.240	98.0
39,739 - 45,415	3821	5952.700	5826.144	97.9
45,416 - 56,769	5242	8197.374	8118.146	99.0
56,770 OR MORE	7673	12238.553	12151.316	99.3
TOTAL	58577	90950.972	84512.671	92.9

* The Total Income intervals are expressed in current dollars. In constant 1984 dollars (i.e., adjusted for inflation) they are identical to the Total Income intervals shown for March 1984.

CHART 1.2

TELEPHONE PENETRATION BY INCOME

ANNUAL HOUSEHOLD INCOME IN 1984 DOLLARS

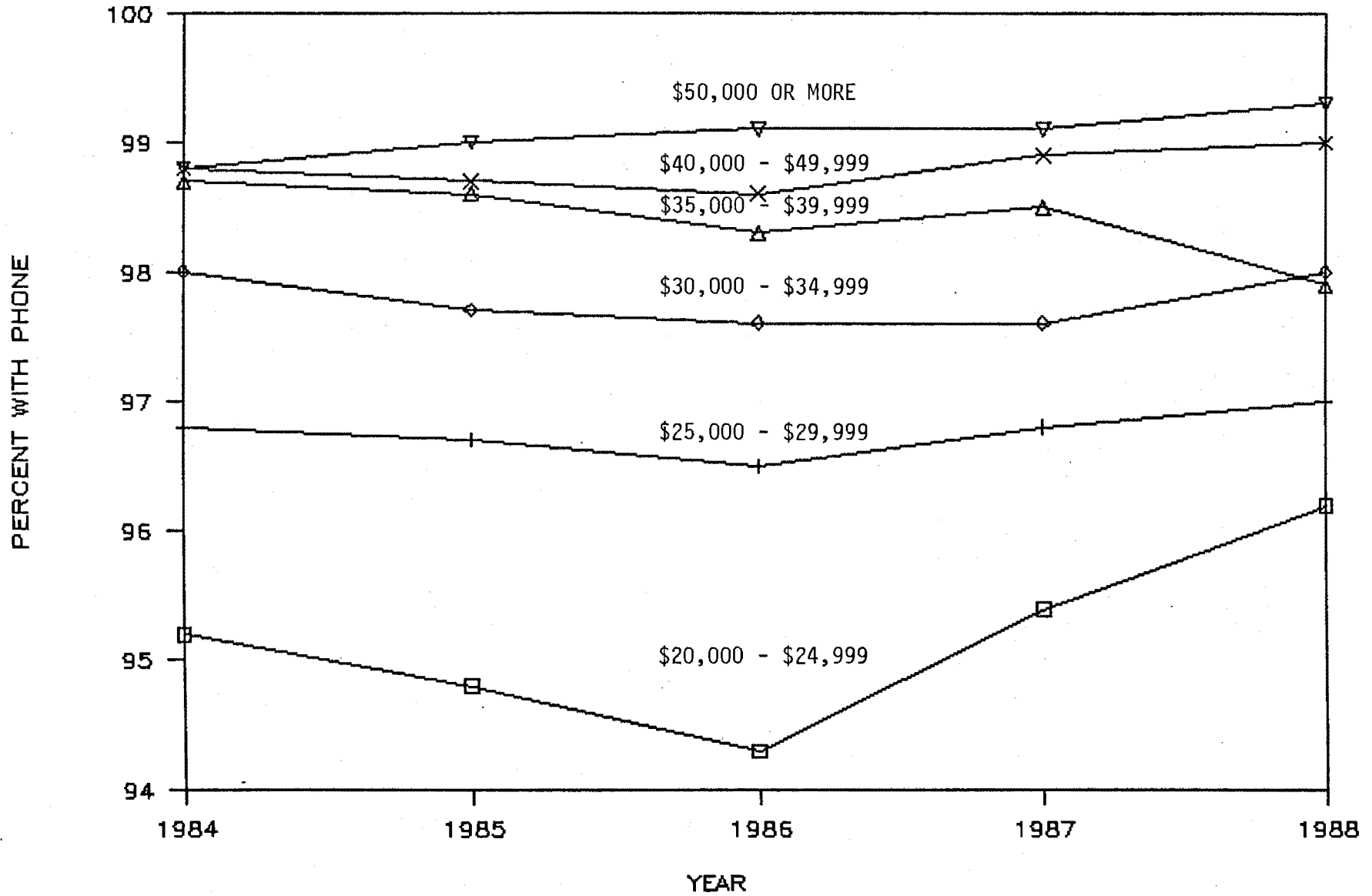


CHART 1.2

TELEPHONE PENETRATION BY INCOME

ANNUAL HOUSEHOLD INCOME IN 1984 DOLLARS

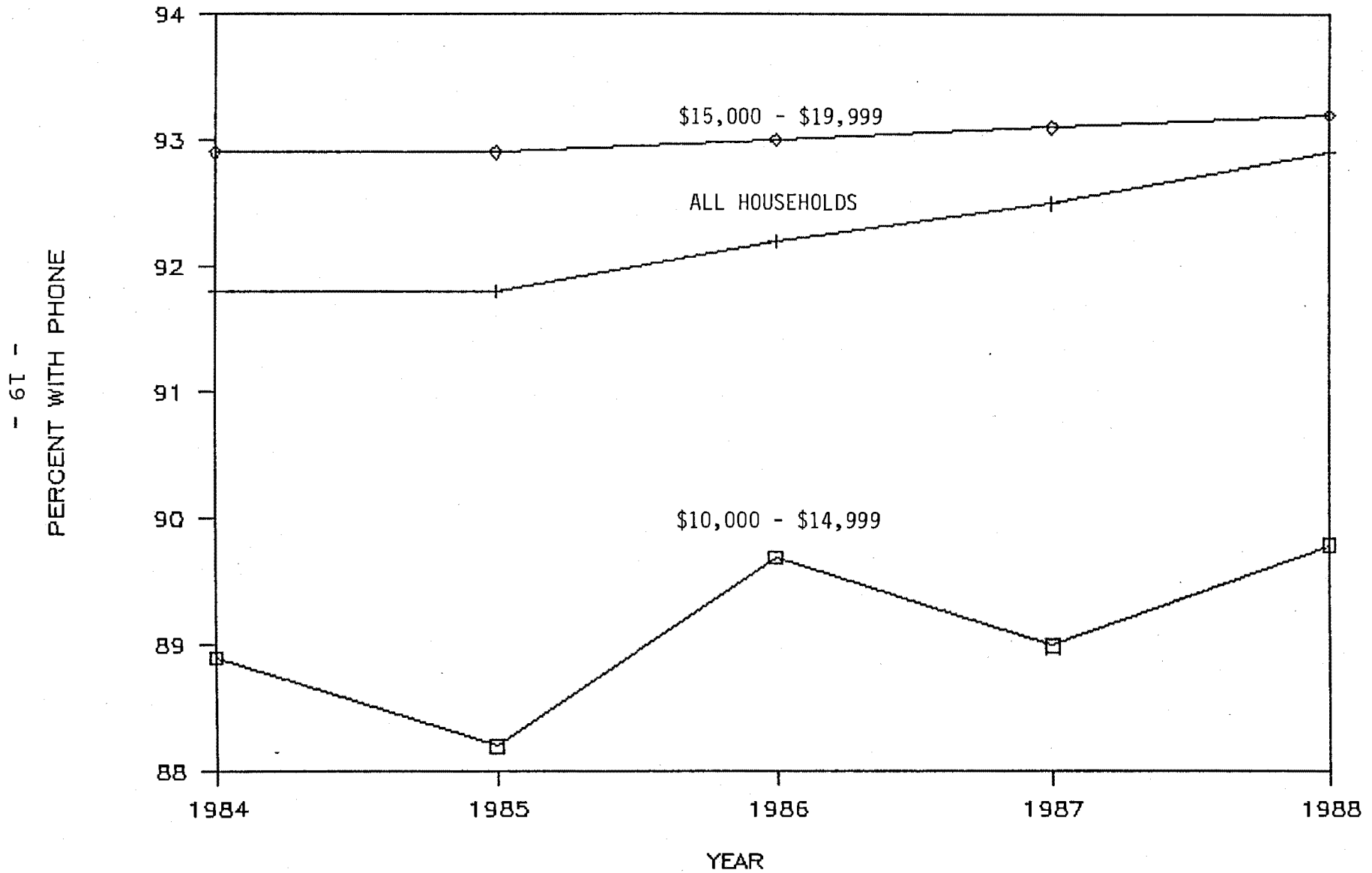


CHART 1.2

TELEPHONE PENETRATION BY INCOME

ANNUAL HOUSEHOLD INCOME IN 1984 DOLLARS

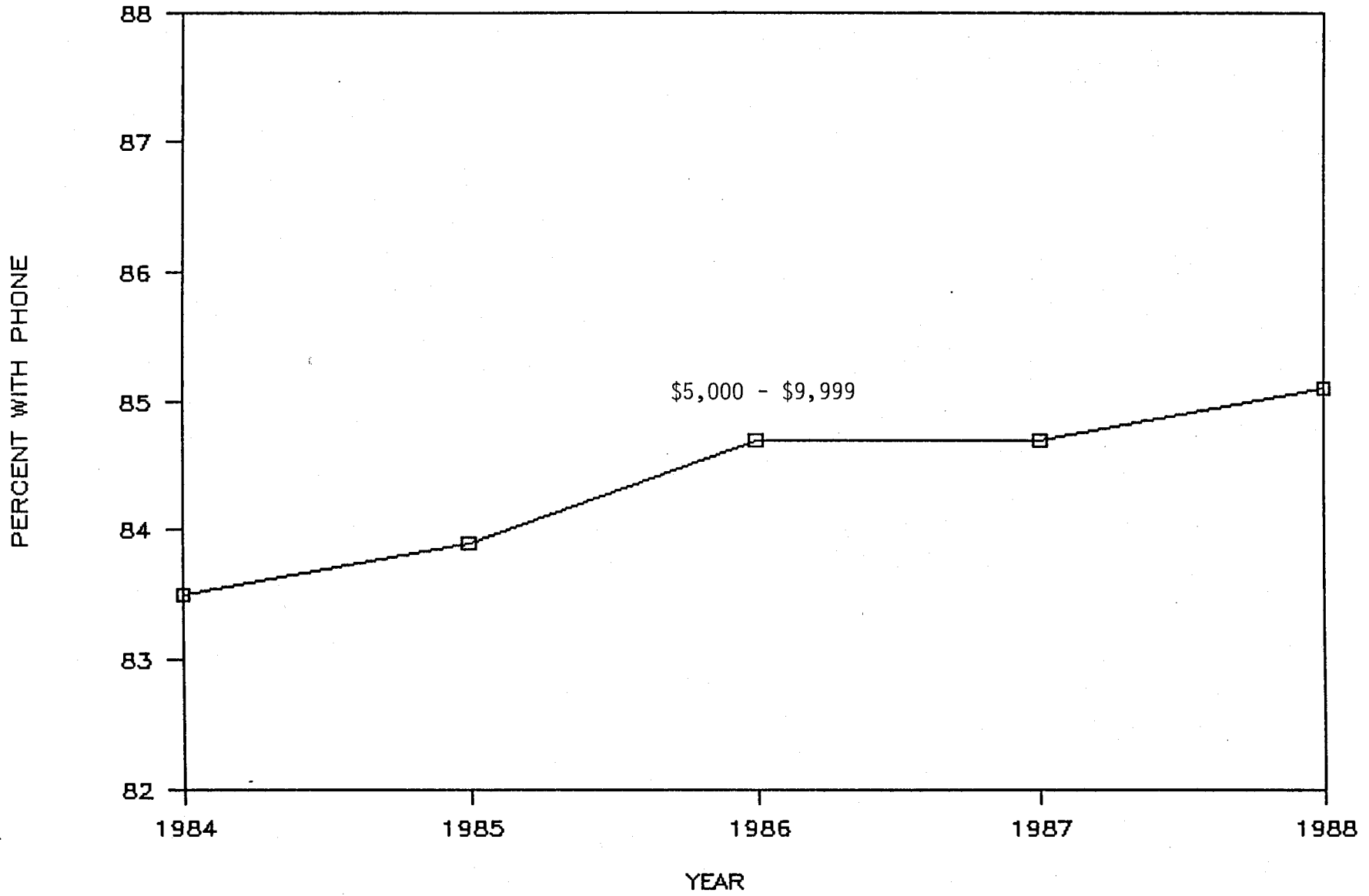


CHART 1.2

TELEPHONE PENETRATION BY INCOME

ANNUAL HOUSEHOLD INCOME IN 1984 DOLLARS

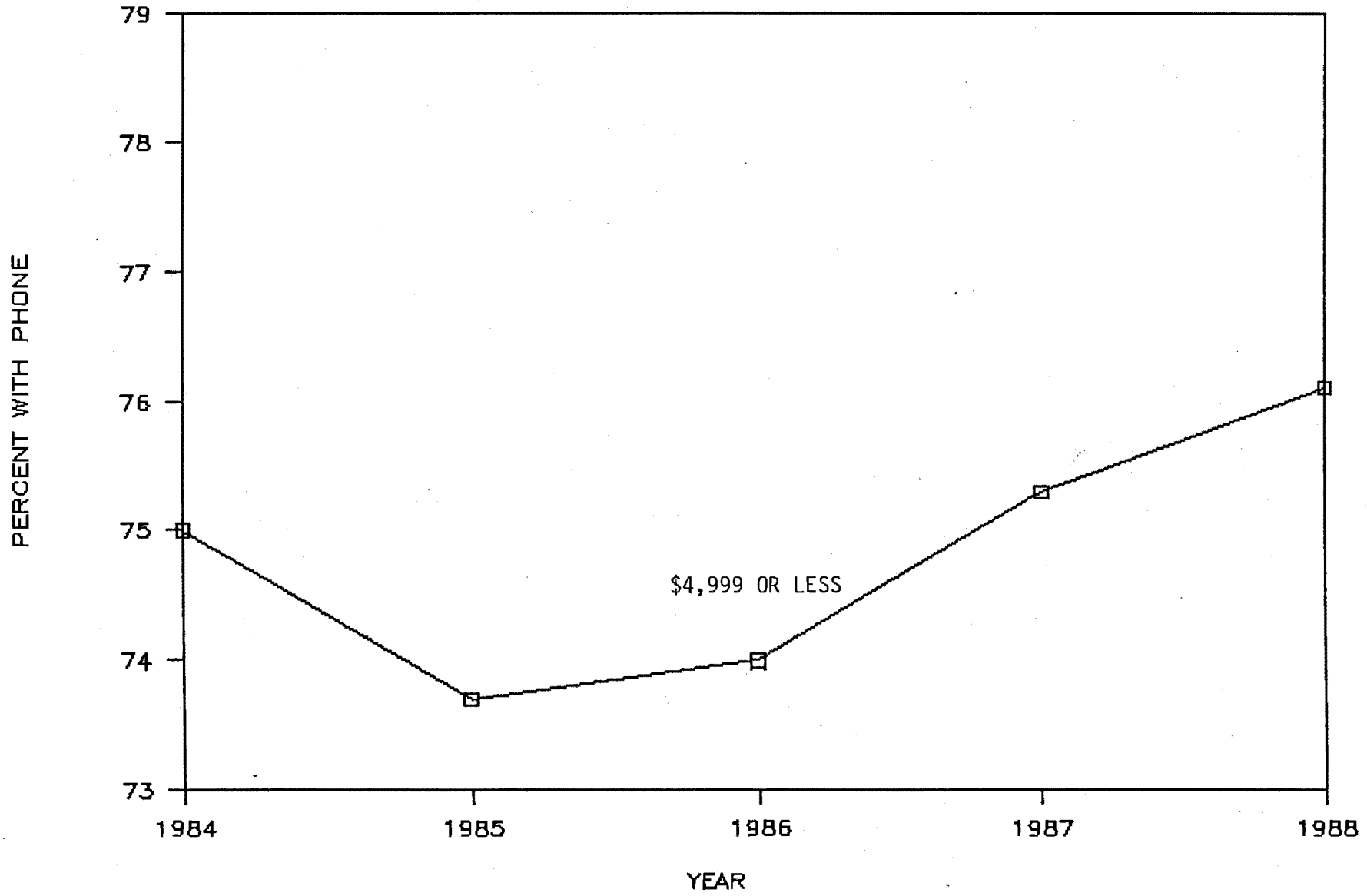


TABLE 1. 3

ALABAMA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	124	201.039	138.255	68.8
5,000 - 9,999	147	220.977	188.426	85.3
10,000 - 14,999	140	223.457	198.734	88.9
15,000 - 19,999	134	201.709	188.948	93.7
20,000 - 24,999	72	111.758	100.882	90.3
25,000 - 29,999	77	121.788	111.567	91.6
30,000 - 34,999	67	108.558	108.558	100.0
35,000 - 39,999	44	65.194	65.194	100.0
40,000 - 49,999	54	83.464	83.464	100.0
50,000 OR MORE	57	91.455	88.418	96.7
TOTAL	916	1429.399	1272.447	89.0

TABLE 1. 3

ALABAMA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	87	228.058	161.646	70.9
5,302 - 10,633	90	231.826	191.036	82.4
10,604 - 15,935	79	199.043	172.877	86.9
15,906 - 21,237	76	196.345	182.737	93.1
21,208 - 26,539	46	116.417	114.235	98.1
26,510 - 31,811	60	152.884	144.864	94.8
31,812 - 37,113	35	89.423	89.423	100.0
37,114 - 42,415	30	79.976	79.976	100.0
42,416 - 53,019	30	78.224	78.224	100.0
53,020 OR MORE	44	114.034	112.872	99.0
TOTAL	577	1436.230	1327.891	89.3

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,194 OR LESS	98	185.862	133.091	71.6
5,195 - 10,369	112	218.335	181.522	83.1
10,370 - 15,554	128	254.754	206.049	80.9
15,555 - 20,739	105	187.024	169.889	90.8
20,740 - 25,924	68	129.980	125.217	96.3
25,925 - 31,109	64	120.403	116.715	96.9
31,110 - 36,294	46	93.232	91.811	98.5
36,295 - 41,479	41	78.305	78.305	100.0
41,480 - 51,849	44	84.411	84.411	100.0
51,850 OR MORE	45	84.266	84.266	100.0
TOTAL	751	1436.571	1271.276	88.5

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	111	240.865	179.810	74.7
5,463 - 10,925	110	228.811	162.127	70.9
10,926 - 16,388	93	193.797	170.416	87.9
16,389 - 21,851	81	164.149	156.377	95.3
21,852 - 27,314	64	134.993	125.975	93.3
27,315 - 32,777	58	118.840	108.083	90.9
32,778 - 38,240	50	97.165	93.522	96.3
38,241 - 43,703	45	92.255	90.304	97.9
43,704 - 54,629	41	84.035	84.035	100.0
54,630 OR MORE	60	121.104	119.241	98.5
TOTAL	713	1476.015	1289.889	87.4

TABLE 1. 3

ALABAMA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	107	228.440	160.379	70.2
5,677 - 11,353	108	224.538	182.419	81.2
11,354 - 17,030	95	199.582	169.174	84.8
17,031 - 22,707	78	156.177	145.005	92.8
22,708 - 28,384	76	156.669	144.093	92.0
28,385 - 34,061	59	122.403	118.760	97.0
34,062 - 39,738	48	93.303	93.303	100.0
39,739 - 45,415	28	59.174	59.174	100.0
45,416 - 56,769	56	118.517	118.517	100.0
56,770 OR MORE	56	114.042	111.848	98.1
TOTAL	711	1472.843	1302.672	88.4

TABLE 1. 4

ALASKA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	56	10,532	5,880	55.8
5,000 - 9,999	88	18,038	11,680	64.8
10,000 - 14,999	76	16,060	13,077	81.4
15,000 - 19,999	79	15,204	12,006	79.0
20,000 - 24,999	82	15,207	13,364	87.9
25,000 - 29,999	79	17,055	15,948	93.5
30,000 - 34,999	53	11,417	10,353	90.7
35,000 - 39,999	51	10,146	9,540	94.0
40,000 - 49,999	91	18,741	17,490	93.3
50,000 OR MORE	199	38,937	37,881	97.3
TOTAL	854	171,336	147,218	85.9

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	30	6,313	4,884	77.4
5,185 - 10,359	62	13,679	8,968	65.6
10,370 - 15,554	35	18,233	14,271	78.3
15,555 - 20,739	70	13,639	12,366	90.7
20,740 - 25,924	81	16,930	15,262	90.1
25,925 - 31,109	66	12,929	11,834	91.5
31,110 - 36,294	57	11,088	10,230	92.3
36,295 - 41,479	58	10,790	10,628	98.5
41,480 - 51,849	97	19,406	17,942	92.5
51,850 OR MORE	243	46,688	45,301	97.0
TOTAL	849	169,695	151,686	89.4

TABLE 1. 4

ALASKA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	29	6,159	2,322	37.7
5,302 - 10,605	53	11,558	8,811	76.2
10,604 - 15,905	61	12,131	9,082	74.9
15,906 - 21,207	79	16,718	12,322	73.7
21,208 - 26,509	79	16,865	15,540	92.1
26,510 - 31,811	84	16,287	15,355	94.3
31,812 - 37,113	69	14,316	13,877	96.9
37,114 - 42,415	71	13,564	12,478	92.0
42,416 - 53,019	111	20,574	19,586	95.2
53,020 OR MORE	242	45,441	44,248	97.4
TOTAL	878	173,613	153,619	88.5

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	36	11,540	7,829	67.8
5,463 - 10,925	58	13,942	10,908	78.2
10,926 - 16,388	78	21,418	13,704	64.0
16,389 - 21,851	79	16,734	14,537	86.9
21,852 - 27,314	64	15,614	13,625	87.3
27,315 - 32,777	67	15,213	13,525	88.9
32,778 - 38,240	62	13,300	13,101	98.5
38,241 - 43,703	54	11,945	11,599	97.1
43,704 - 54,629	83	19,116	19,116	100.0
54,630 OR MORE	214	43,648	43,487	99.6
TOTAL	795	182,471	161,430	88.5

TABLE 1. 4

ALASKA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	44	11.701	8.378	71.6
5,677 - 11,353	89	22.730	16.257	71.5
11,354 - 17,030	53	13.003	9.305	71.6
17,031 - 22,707	67	17.049	13.912	81.6
22,708 - 28,384	59	12.550	11.218	89.4
28,385 - 34,061	74	18.701	17.523	93.7
34,062 - 39,738	59	12.941	12.109	93.6
39,739 - 45,415	45	10.215	9.331	91.4
45,416 - 56,769	89	19.530	19.155	98.1
56,770 OR MORE	184	44.110	42.089	95.4
TOTAL	763	182.529	159.282	87.3

TABLE 1. 5

ARIZONA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	69	96.773	64.998	67.2
5,000 - 9,999	123	154.723	120.015	77.6
10,000 - 14,999	113	150.193	135.439	90.2
15,000 - 19,999	122	177.305	164.984	93.1
20,000 - 24,999	109	147.551	138.487	93.9
25,000 - 29,999	89	114.851	108.348	94.3
30,000 - 34,999	44	61.997	58.382	94.2
35,000 - 39,999	50	70.150	70.150	100.0
40,000 - 49,999	64	85.601	85.601	100.0
50,000 OR MORE	58	76.525	75.930	99.2
TOTAL	841	1135.669	1022.334	90.0

TABLE 1. 5

ARIZONA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	44	98.269	70.905	80.3
5,302 - 10,603	76	154.313	130.309	84.4
10,604 - 15,905	82	162.438	137.572	84.7
15,906 - 21,207	72	142.946	119.521	83.6
21,208 - 26,509	76	139.310	134.487	96.5
26,510 - 31,811	63	123.288	113.752	92.3
31,812 - 37,113	51	101.995	96.941	95.0
37,114 - 42,415	40	79.465	79.465	100.0
42,416 - 53,719	54	105.610	94.489	89.5
53,720 OR MORE	69	137.630	137.630	100.0
TOTAL	627	1235.263	1115.069	90.3

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	60	95.065	65.792	69.2
5,185 - 10,369	113	177.688	123.603	69.6
10,370 - 15,554	95	135.944	116.720	85.9
15,555 - 20,739	98	153.483	143.811	93.7
20,740 - 25,924	91	143.015	128.583	89.9
25,925 - 31,109	81	131.300	115.287	87.8
31,110 - 36,294	52	89.356	82.991	92.9
36,295 - 41,479	36	53.603	49.299	92.0
41,480 - 51,849	46	71.717	69.184	96.5
51,850 OR MORE	70	127.502	125.406	98.4
TOTAL	743	1179.675	1020.676	86.6

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,452 OR LESS	51	104.294	83.077	79.7
5,453 - 10,925	67	139.811	103.847	74.3
10,926 - 16,388	84	165.914	135.962	81.9
16,389 - 21,851	74	147.623	125.785	85.2
21,852 - 27,314	67	137.537	129.526	94.2
27,315 - 32,777	53	106.315	95.664	90.0
32,778 - 38,240	66	127.186	119.750	94.2
38,241 - 43,703	25	51.021	46.799	91.7
43,704 - 54,629	51	106.414	106.414	100.0
54,630 OR MORE	88	183.117	174.568	95.3
TOTAL	626	1269.232	1121.392	88.4

TABLE 1. 5

ARIZONA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	43	84.483	59.657	70.6
5,677 - 11,353	70	135.784	113.880	83.9
11,354 - 17,030	80	150.571	129.569	86.1
17,031 - 22,707	81	155.276	131.754	84.9
22,708 - 28,384	80	160.011	145.549	91.0
28,385 - 34,061	59	112.882	108.157	95.8
34,062 - 39,738	54	109.523	107.571	98.2
39,739 - 45,415	40	86.125	86.125	100.0
45,416 - 56,769	61	120.188	116.511	96.9
56,770 OR MORE	80	160.834	158.881	98.8
TOTAL	648	1275.678	1157.655	90.7

TABLE 1. 5

ARKANSAS

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	110	123.653	86.815	70.2
5,000 - 9,999	120	135.174	115.815	85.7
10,000 - 14,999	136	150.707	134.280	89.1
15,000 - 19,999	97	110.026	89.051	80.9
20,000 - 24,999	88	91.725	86.880	94.7
25,000 - 29,999	48	54.720	52.454	95.9
30,000 - 34,999	37	34.687	36.061	93.2
35,000 - 39,999	32	37.277	37.277	100.0
40,000 - 49,999	33	34.707	33.534	96.6
50,000 OR MORE	38	39.813	39.813	100.0
TOTAL	739	316.488	711.980	87.2

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	115	134.746	91.686	68.0
5,185 - 10,359	148	165.758	131.850	79.5
10,370 - 15,554	122	141.259	120.685	85.4
15,555 - 20,739	110	121.492	112.979	92.9
20,740 - 25,924	80	89.150	83.811	94.0
25,925 - 31,109	67	77.665	68.940	88.6
31,110 - 36,294	38	43.334	39.384	90.9
36,295 - 41,479	31	34.323	31.855	92.8
41,480 - 51,849	32	37.608	37.608	100.0
51,850 OR MORE	40	39.458	39.458	100.0
TOTAL	793	884.795	758.058	85.7

TABLE 1. 6

ARKANSAS

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	110	143.738	101.295	70.5
5,302 - 10,603	113	143.957	120.125	83.4
10,604 - 15,905	103	134.355	104.025	77.4
15,906 - 21,207	90	113.792	98.525	86.6
21,208 - 26,509	84	106.384	99.900	93.9
26,510 - 31,811	60	75.578	72.772	96.3
31,812 - 37,113	46	58.380	57.213	98.0
37,114 - 42,415	28	35.515	34.064	95.9
42,416 - 53,019	36	44.502	43.130	96.9
53,020 OR MORE	34	41.994	40.584	96.6
TOTAL	704	898.195	771.638	85.9

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	121	145.130	105.556	72.7
5,463 - 10,925	117	139.556	107.574	77.1
10,926 - 16,388	93	108.528	88.489	81.5
16,389 - 21,851	83	100.304	98.980	88.7
21,852 - 27,314	83	101.017	99.761	98.8
27,315 - 32,777	55	65.758	64.655	98.3
32,778 - 38,240	55	63.853	59.087	92.5
38,241 - 43,703	36	42.867	42.867	100.0
43,704 - 54,629	40	48.015	48.015	100.0
54,630 OR MORE	46	54.711	52.212	95.4
TOTAL	727	869.739	757.195	87.1

TABLE 1. 6

ARKANSAS

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	97	126.847	79.635	62.8
5,677 - 11,353	130	148.698	113.000	76.0
11,354 - 17,030	115	131.675	100.047	76.0
17,031 - 22,707	102	114.471	101.758	88.9
22,708 - 28,384	91	104.353	97.120	93.1
28,385 - 34,061	58	64.455	60.994	94.6
34,062 - 39,738	50	56.843	55.867	98.3
39,739 - 45,415	39	43.364	43.364	100.0
45,416 - 56,769	42	46.406	45.338	97.7
56,770 OR MORE	48	56.102	52.124	92.9
TOTAL	772	893.213	749.248	83.9

TABLE 1. 7

CALIFORNIA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	320	546.305	435.335	79.7
5,000 - 9,999	807	1323.794	1115.763	84.3
10,000 - 14,999	734	1185.605	1064.403	89.8
15,000 - 19,999	652	1061.357	968.070	91.2
20,000 - 24,999	566	941.117	895.011	95.1
25,000 - 29,999	505	956.306	821.489	95.9
30,000 - 34,999	401	674.609	652.914	96.8
35,000 - 39,999	310	526.151	519.983	98.8
40,000 - 49,999	501	966.502	845.852	97.6
50,000 OR MORE	734	1291.319	1270.546	98.4
TOTAL	5530	9273.064	8587.366	92.6

TABLE 1. 7

CALIFORNIA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	255	501.038	382.759	76.4
5,302 - 10,633	651	1274.344	1077.560	84.6
10,604 - 15,935	533	1017.832	921.792	90.6
15,906 - 21,237	499	944.608	889.284	94.1
21,208 - 26,539	496	1007.166	945.563	93.9
26,510 - 31,811	448	894.166	834.539	93.3
31,812 - 37,113	361	728.840	704.207	96.6
37,114 - 42,415	324	671.247	658.689	98.1
42,416 - 53,019	469	982.642	970.008	98.7
53,020 OR MORE	776	1627.872	1615.457	99.2
TOTAL	4812	9649.755	8999.859	93.3

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	301	517.872	382.336	73.8
5,185 - 10,369	712	1200.738	997.399	83.1
10,370 - 15,554	645	1064.493	738.935	88.2
15,555 - 20,739	507	1026.099	954.461	93.0
20,740 - 25,924	563	966.179	906.288	93.8
25,925 - 31,109	537	926.058	899.205	97.1
31,110 - 36,294	399	698.231	661.218	94.7
36,295 - 41,479	357	616.346	609.144	98.8
41,480 - 51,849	502	881.445	875.623	99.3
51,850 OR MORE	792	1418.646	1403.698	98.9
TOTAL	5415	9316.108	8628.308	92.6

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	246	513.040	429.031	83.6
5,463 - 10,925	592	1197.462	1016.593	84.9
10,926 - 16,388	553	1136.005	1015.405	89.4
16,389 - 21,851	453	943.990	878.709	93.1
21,852 - 27,314	470	959.026	910.025	94.9
27,315 - 32,777	392	821.732	795.535	96.8
32,778 - 38,240	383	803.264	786.471	97.9
38,241 - 43,703	338	712.389	700.469	98.3
43,704 - 54,629	484	1020.557	1011.242	99.1
54,630 OR MORE	812	1766.632	1750.138	99.1
TOTAL	4723	9874.096	9293.619	94.1

TABLE 1. 7

CALIFORNIA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL - INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	226	489.940	438.265	89.5
5,677 - 11,353	580	1208.842	1042.448	86.2
11,354 - 17,030	547	1160.611	1055.193	90.9
17,031 - 22,707	503	1047.811	982.646	93.8
22,708 - 28,384	444	926.897	892.891	96.3
28,385 - 34,061	434	911.491	871.484	95.6
34,062 - 39,738	356	769.167	750.096	97.5
39,739 - 45,415	329	698.199	672.374	96.3
45,416 - 56,769	481	1033.640	1013.380	98.0
56,770 OR MORE	876	1919.682	1907.912	99.4
TOTAL	4776	10166.281	9626.694	94.7

TABLE 1. 8

COLORADO

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	77	93,163	79,605	85.4
5,000 - 9,999	108	121,780	107,077	87.9
10,000 - 14,999	124	137,508	122,756	89.3
15,000 - 19,999	130	147,560	134,940	91.4
20,000 - 24,999	101	107,826	104,467	96.9
25,000 - 29,999	92	110,731	109,265	98.7
30,000 - 34,999	81	98,167	96,948	98.8
35,000 - 39,999	76	90,224	88,832	98.5
40,000 - 49,999	99	122,638	122,638	100.0
50,000 OR MORE	133	159,947	158,900	99.3
TOTAL	1021	1189,545	1125,427	94.6

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,194 OR LESS	51	69,813	56,532	82.2
5,195 - 10,359	85	119,525	118,706	99.3
10,370 - 15,554	93	136,353	127,142	93.2
15,555 - 20,739	93	139,845	129,961	92.9
20,740 - 25,924	91	129,243	124,390	96.2
25,925 - 31,109	81	119,057	118,955	99.9
31,110 - 36,294	79	119,290	117,949	98.9
36,295 - 41,479	56	80,687	80,687	100.0
41,480 - 51,869	59	104,256	102,922	98.7
51,850 OR MORE	108	166,287	161,237	97.0
TOTAL	806	1193,355	1138,480	96.2

TABLE 1. 8

COLORADO

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	46	86,971	68,896	79.2
5,302 - 10,603	65	122,601	111,043	90.6
10,604 - 15,905	53	94,653	85,952	90.8
15,906 - 21,207	75	148,823	143,448	96.4
21,208 - 26,509	70	128,809	121,502	94.3
26,510 - 31,811	65	120,526	118,582	98.4
31,812 - 37,113	67	126,372	122,813	97.2
37,114 - 42,415	50	94,655	94,655	100.0
42,416 - 53,019	55	106,245	106,245	100.0
53,020 OR MORE	99	194,495	187,413	96.4
TOTAL	645	1224,151	1160,552	94.8

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	62	114,551	92,717	80.9
5,463 - 10,925	74	135,455	120,175	88.7
10,926 - 16,388	74	142,403	123,034	86.4
16,389 - 21,851	63	123,651	117,400	94.9
21,852 - 27,314	68	125,107	119,113	95.2
27,315 - 32,777	70	131,801	125,193	95.0
32,778 - 38,240	49	94,803	91,130	96.1
38,241 - 43,703	49	90,987	89,063	97.9
43,704 - 54,629	58	109,812	105,846	96.4
54,630 OR MORE	102	198,913	195,083	98.1
TOTAL	569	1267,482	1178,753	93.0

TABLE 1. 8

COLORADO

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	50	97.409	81.982	84.2
5,677 - 11,353	82	159.752	133.820	83.8
11,354 - 17,030	78	151.786	143.629	94.6
17,031 - 22,707	76	150.503	140.850	93.6
22,708 - 28,384	72	136.444	132.370	97.0
28,385 - 34,061	59	115.355	115.355	100.0
34,062 - 39,738	48	93.985	93.985	100.0
39,739 - 45,415	39	80.510	77.305	96.0
45,416 - 56,769	60	119.839	119.839	100.0
56,770 OR MORE	93	188.861	188.861	100.0
TOTAL	657	1294.446	1227.996	94.9

TABLE 1. 9

CONNECTICUT

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	44	76.635	55.074	71.9
5,000 - 9,999	66	111.203	96.103	86.4
10,000 - 14,999	70	125.424	114.245	91.1
15,000 - 19,999	66	109.575	105.474	96.3
20,000 - 24,999	58	109.423	109.423	100.0
25,000 - 29,999	61	111.284	104.762	94.1
30,000 - 34,999	54	100.142	98.132	98.0
35,000 - 39,999	60	107.580	107.580	100.0
40,000 - 49,999	71	125.669	125.669	100.0
50,000 OR MORE	136	200.088	197.923	98.9
TOTAL	656	1177.023	1114.390	94.7

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	36	71.031	41.146	57.9
5,185 - 10,369	66	122.774	97.180	79.2
10,370 - 15,554	53	98.038	90.200	92.0
15,555 - 20,739	60	112.580	109.494	97.3
20,740 - 25,924	53	114.301	114.301	100.0
25,925 - 31,119	65	116.170	113.958	98.1
31,110 - 36,294	53	101.472	101.472	100.0
36,295 - 41,479	50	90.258	90.258	100.0
41,480 - 51,849	76	137.029	134.937	98.5
51,850 OR MORE	125	226.409	226.409	100.0
TOTAL	647	1190.063	1119.356	94.1

TABLE 1. 9

CONNECTICUT

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	31	53.834	49.985	92.8
5,302 - 10,603	68	113.412	103.300	91.1
10,604 - 15,905	53	96.502	90.753	94.0
15,906 - 21,207	63	110.252	110.252	100.0
21,208 - 26,509	73	131.636	126.345	96.0
26,510 - 31,811	48	86.800	86.800	100.0
31,812 - 37,113	53	93.358	91.060	97.5
37,114 - 42,415	39	68.036	68.036	100.0
42,416 - 53,019	79	138.154	138.154	100.0
53,020 OR MORE	150	269.548	269.548	100.0
TOTAL	657	1161.535	1134.235	97.6

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	32	63.934	55.501	86.8
5,463 - 10,925	58	115.115	110.046	95.6
10,926 - 16,388	56	108.991	102.950	94.5
16,389 - 21,851	59	120.586	116.538	96.6
21,852 - 27,314	54	109.888	105.546	96.0
27,315 - 32,777	43	86.602	86.602	100.0
32,778 - 38,240	46	95.159	95.159	100.0
38,241 - 43,703	47	95.272	95.272	100.0
43,704 - 54,629	69	140.172	140.172	100.0
54,630 OR MORE	128	262.170	262.170	100.0
TOTAL	592	1197.889	1169.957	97.7

TABLE 1. 9

CONNECTICUT

CURRENT POPULATION SURVEY MARCH 1988

TOTAL - INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	27	65.736	59.702	90.8
5,677 - 11,353	68	143.269	128.975	90.0
11,354 - 17,030	54	117.502	107.439	91.4
17,031 - 22,707	68	140.744	136.222	96.8
22,708 - 28,384	41	86.743	79.693	91.9
28,385 - 34,061	55	113.535	111.156	97.9
34,062 - 39,738	53	110.719	109.075	98.5
39,739 - 45,415	42	89.289	89.289	100.0
45,416 - 56,769	73	155.442	153.491	98.7
56,770 OR MORE	116	243.296	243.296	100.0
TOTAL	597	1266.274	1218.337	96.2

TABLE 1.10

DELAWARE

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	23	7,798	6,521	83.6
5,000 - 9,999	63	21,648	19,187	88.6
10,000 - 14,999	75	28,539	25,634	89.8
15,000 - 19,999	62	23,734	22,530	94.9
20,000 - 24,999	56	20,735	20,735	100.0
25,000 - 29,999	55	21,415	20,730	96.8
30,000 - 34,999	59	22,394	21,822	97.4
35,000 - 39,999	33	13,901	13,901	100.0
40,000 - 49,999	58	20,999	20,999	100.0
50,000 OR MORE	71	26,802	26,542	99.0
TOTAL	555	207,965	198,402	95.5

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	38	13,794	11,689	84.7
5,185 - 10,369	65	23,820	22,001	92.4
10,370 - 15,554	75	28,825	26,762	92.8
15,555 - 20,739	72	27,157	26,316	96.9
20,740 - 25,924	48	18,295	18,162	99.3
25,925 - 31,109	77	28,909	28,238	97.7
31,110 - 36,294	46	18,303	18,303	100.0
36,295 - 41,479	50	20,063	19,344	96.4
41,480 - 51,849	52	17,964	17,964	100.0
51,850 OR MORE	73	26,983	26,983	100.0
TOTAL	596	224,112	215,763	96.3

TABLE 1.10

DELAWARE

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	36	14,736	11,840	80.4
5,302 - 10,603	75	32,600	29,444	90.3
10,604 - 15,905	68	31,424	28,608	91.0
15,906 - 21,207	71	31,532	30,315	96.1
21,208 - 26,509	59	23,945	23,126	96.6
26,510 - 31,811	45	18,931	18,931	100.0
31,812 - 37,113	52	22,237	22,237	100.0
37,114 - 42,415	31	13,705	13,705	100.0
42,416 - 53,019	56	23,570	23,180	98.3
53,020 OR MORE	62	25,177	24,963	99.1
TOTAL	555	237,856	226,348	95.2

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	37	20,799	19,025	91.5
5,463 - 10,925	68	29,918	26,757	89.4
10,926 - 16,388	68	31,245	29,972	95.9
16,389 - 21,851	55	26,249	25,389	96.7
21,852 - 27,314	51	21,376	20,455	95.7
27,315 - 32,777	51	21,766	21,766	100.0
32,778 - 38,240	44	20,885	20,885	100.0
38,241 - 43,703	35	15,164	15,164	100.0
43,704 - 54,629	58	25,789	25,789	100.0
54,630 OR MORE	74	31,451	31,113	98.9
TOTAL	541	244,642	236,314	96.6

TABLE 1.10

DELAWARE

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	37	15.348	14.797	96.4
5,677 - 11,353	62	27.216	25.793	94.8
11,354 - 17,030	52	22.726	20.219	89.0
17,031 - 22,707	47	20.946	19.996	95.5
22,708 - 28,384	74	33.940	32.573	96.0
28,385 - 34,061	73	31.254	30.870	98.8
34,062 - 39,738	38	17.098	17.098	100.0
39,739 - 45,415	36	15.456	15.456	100.0
45,416 - 56,769	75	32.715	32.715	100.0
56,770 OR MORE	69	29.947	29.947	100.0
TOTAL	563	246.646	239.469	97.1

TABLE 1.11

DISTRICT OF COLUMBIA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	67	29.453	26.243	89.1
5,000 - 9,999	73	33.097	31.583	95.4
10,000 - 14,999	88	38.169	35.329	92.6
15,000 - 19,999	57	23.502	22.995	97.8
20,000 - 24,999	51	23.224	23.224	100.0
25,000 - 29,999	43	17.746	16.606	93.6
30,000 - 34,999	44	17.427	17.002	97.6
35,000 - 39,999	29	12.178	12.178	100.0
40,000 - 49,999	38	14.462	14.462	100.0
50,000 OR MORE	92	40.443	39.724	98.2
TOTAL	582	249.701	239.351	95.9

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	86	34.299	28.482	83.0
5,185 - 10,359	95	38.778	33.485	86.4
10,370 - 15,554	76	29.780	27.806	93.4
15,555 - 20,739	59	23.966	21.388	89.2
20,740 - 25,924	61	24.372	22.506	92.3
25,925 - 31,109	48	19.632	18.796	95.7
31,110 - 36,294	32	12.022	11.782	98.0
36,295 - 41,479	32	12.191	12.191	100.0
41,480 - 51,849	39	15.543	15.172	97.6
51,850 OR MORE	95	36.661	35.747	97.5
TOTAL	623	247.242	227.355	92.0

TABLE 1.11

DISTRICT OF COLUMBIA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	73	29.788	23.208	77.9
5,302 - 10,603	79	34.366	29.194	84.9
10,604 - 15,905	81	33.836	30.601	90.4
15,906 - 21,207	82	33.946	31.642	93.2
21,208 - 26,509	56	23.971	22.817	95.2
26,510 - 31,811	41	17.411	16.648	95.6
31,812 - 37,113	37	16.047	15.300	95.3
37,114 - 42,415	32	12.994	12.994	100.0
42,416 - 53,019	38	16.411	15.486	94.4
53,020 OR MORE	98	38.477	38.477	100.0
TOTAL	617	257.247	236.368	91.9

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	55	23.169	16.238	70.1
5,463 - 10,925	60	25.370	23.331	92.0
10,926 - 16,388	85	35.704	30.281	84.8
16,389 - 21,851	84	36.568	33.724	92.2
21,852 - 27,314	61	26.517	26.517	100.0
27,315 - 32,777	53	22.569	19.644	87.0
32,778 - 38,240	39	16.402	14.543	88.7
38,241 - 43,703	28	10.298	10.298	100.0
43,704 - 54,629	49	19.672	19.165	97.4
54,630 OR MORE	113	47.011	47.011	100.0
TOTAL	627	263.280	240.751	91.4

TABLE 1.11

DISTRICT OF COLUMBIA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	61	24.863	19.452	78.4
5,677 - 11,353	56	23.711	20.471	86.3
11,354 - 17,030	73	29.503	26.695	90.5
17,031 - 22,707	64	26.726	24.253	90.8
22,708 - 28,384	63	26.080	24.571	94.2
28,385 - 34,061	55	22.070	22.070	100.0
34,062 - 39,738	44	18.681	18.214	97.5
39,739 - 45,415	43	17.339	17.339	100.0
45,416 - 56,769	51	19.990	19.569	97.9
56,770 OR MORE	119	46.483	44.910	96.6
TOTAL	629	255.447	237.580	93.0

TABLE 1.12

FLORIDA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	218	417.132	309.134	74.1
5,000 - 9,999	331	680.717	571.710	84.0
10,000 - 14,999	318	649.686	555.893	85.6
15,000 - 19,999	304	615.754	555.908	90.3
20,000 - 24,999	237	492.732	457.622	92.9
25,000 - 29,999	185	375.725	365.576	97.3
30,000 - 34,999	162	320.887	308.982	96.3
35,000 - 39,999	109	234.089	228.438	97.6
40,000 - 49,999	131	249.497	249.497	100.0
50,000 OR MORE	159	293.815	289.174	98.4
TOTAL	2154	4330.033	3891.933	89.9

TABLE 1.12

FLORIDA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	208	355.512	244.722	68.8
5,302 - 10,603	387	631.479	492.702	78.0
10,604 - 15,905	396	664.620	574.360	86.4
15,906 - 21,207	398	664.097	597.081	89.9
21,208 - 26,509	290	474.549	450.752	91.1
26,510 - 31,811	254	412.537	395.412	95.8
31,812 - 37,113	181	294.042	277.961	94.5
37,114 - 42,415	171	277.682	274.239	98.8
42,416 - 53,019	210	338.749	329.797	97.4
53,020 OR MORE	280	457.256	451.124	98.7
TOTAL	2775	4590.521	4088.149	89.1

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	214	376.325	273.080	72.6
5,185 - 10,369	400	682.157	542.248	79.5
10,370 - 15,554	388	675.590	562.415	83.2
15,555 - 20,739	342	597.797	553.074	92.5
20,740 - 25,924	287	499.089	455.678	91.3
25,925 - 31,109	219	375.434	354.372	94.4
31,110 - 36,294	161	278.101	271.384	97.6
36,295 - 41,479	140	233.364	231.638	99.3
41,480 - 51,849	170	291.191	282.913	97.2
51,850 OR MORE	225	391.325	384.183	98.2
TOTAL	2546	4400.372	3910.984	88.9

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	206	321.932	226.070	70.2
5,463 - 10,925	391	621.888	530.637	85.3
10,926 - 16,388	422	686.896	589.232	85.8
16,389 - 21,851	361	608.235	563.808	92.7
21,852 - 27,314	313	512.656	483.846	94.4
27,315 - 32,777	276	448.167	425.249	94.9
32,778 - 38,240	213	338.874	325.419	96.0
38,241 - 43,703	172	247.983	260.420	97.2
43,704 - 54,629	229	363.577	359.003	98.7
54,630 OR MORE	335	525.872	520.428	99.0
TOTAL	2918	4696.081	4284.112	91.2

TABLE 1.12

FLORIDA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	252	413.868	326.304	78.8
5,677 - 11,353	364	585.550	502.023	85.7
11,354 - 17,030	435	719.016	650.731	90.5
17,031 - 22,707	382	622.796	582.228	93.5
22,708 - 28,384	321	527.453	499.328	94.7
28,385 - 34,061	242	401.452	386.307	96.2
34,062 - 39,738	224	369.677	362.808	98.1
39,739 - 45,415	212	347.287	335.206	96.5
45,416 - 56,769	218	354.155	347.952	98.2
56,770 OR MORE	351	553.268	547.075	98.9
TOTAL	3001	4894.521	4539.961	92.8

TABLE 1.13

GEORGIA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	119	225.218	156.066	69.3
5,000 - 9,999	153	311.244	214.691	69.0
10,000 - 14,999	137	272.003	225.141	82.8
15,000 - 19,999	137	270.295	239.464	88.6
20,000 - 24,999	100	190.093	172.398	90.7
25,000 - 29,999	92	175.745	162.264	92.3
30,000 - 34,999	75	142.546	139.094	97.6
35,000 - 39,999	58	117.738	117.738	100.0
40,000 - 49,999	67	127.278	123.770	97.2
50,000 OR MORE	101	192.822	189.351	98.2
TOTAL	1039	2024.984	1739.978	85.9

TABLE 1.13

GEORGIA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	82	249.598	181.333	67.3
5,302 - 10,633	98	321.856	252.065	78.3
10,604 - 15,935	78	247.714	199.869	80.7
15,906 - 21,237	83	272.593	259.365	95.2
21,208 - 26,539	68	226.929	207.875	91.6
26,510 - 31,811	57	195.679	173.492	93.4
31,812 - 37,113	51	163.983	157.810	96.2
37,114 - 42,415	38	117.343	115.523	98.4
42,416 - 53,019	58	183.166	183.166	100.0
53,020 OR MORE	65	195.814	192.483	98.3
TOTAL	678	2184.666	1922.971	88.0

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	96	244.657	179.656	73.4
5,185 - 10,359	113	299.743	228.802	76.3
10,370 - 15,554	129	316.085	264.548	83.7
15,555 - 20,739	88	223.510	201.869	90.3
20,740 - 25,924	87	220.804	210.929	95.5
25,925 - 31,109	75	174.513	169.254	95.9
31,110 - 36,294	63	150.333	150.333	100.0
36,295 - 41,479	45	120.873	120.873	100.0
41,480 - 51,849	62	163.443	163.443	100.0
51,850 OR MORE	91	195.848	195.164	99.7
TOTAL	842	2111.808	1884.870	89.3

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	70	217.334	141.018	64.9
5,463 - 10,925	77	251.044	186.716	74.4
10,926 - 16,388	95	322.088	258.955	80.4
16,389 - 21,851	67	226.500	189.726	83.8
21,852 - 27,314	59	191.412	181.126	94.6
27,315 - 32,777	62	204.398	193.027	96.9
32,778 - 38,240	51	169.795	161.646	95.8
38,241 - 43,703	45	152.153	152.153	100.0
43,704 - 54,629	62	209.974	209.974	100.0
54,630 OR MORE	84	280.424	270.944	96.6
TOTAL	672	2224.121	1950.285	87.7

TABLE 1.13

GEORGIA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	78	249.133	193.350	77.6
5,677 - 11,353	81	258.757	213.211	82.4
11,354 - 17,030	82	263.656	219.601	83.3
17,031 - 22,707	77	250.169	229.859	91.9
22,708 - 28,384	50	160.642	153.567	95.6
28,385 - 34,061	78	256.016	249.370	97.4
34,062 - 39,738	54	174.312	170.476	97.8
39,739 - 45,415	34	112.744	112.744	100.0
45,416 - 56,769	66	210.747	210.747	100.0
56,770 OR MORE	92	304.257	304.257	100.0
TOTAL	692	2240.432	2057.132	91.8

TABLE 1.14

HAWAII

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	43	23.576	15.567	66.0
5,000 - 9,999	58	29.516	24.921	84.1
10,000 - 14,999	70	36.515	33.827	92.6
15,000 - 19,999	50	25.989	24.551	94.5
20,000 - 24,999	60	30.366	30.366	100.0
25,000 - 29,999	57	31.740	31.740	100.0
30,000 - 34,999	57	30.753	29.571	96.2
35,000 - 39,999	53	28.006	27.536	98.3
40,000 - 49,999	64	33.545	38.545	100.0
50,000 OR MORE	79	44.774	44.194	98.7
TOTAL	591	319.780	300.717	94.0

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,194 OR LESS	26	15.737	10.389	66.0
5,185 - 10,369	61	37.524	29.365	78.3
10,370 - 15,554	48	31.464	28.951	92.0
15,555 - 20,739	60	38.265	36.405	95.1
20,740 - 25,924	46	27.989	27.250	97.4
25,925 - 31,109	46	28.790	28.790	100.0
31,110 - 36,294	37	23.830	23.344	98.0
36,295 - 41,479	51	30.139	28.806	95.6
41,480 - 51,849	66	39.219	39.219	100.0
51,850 OR MORE	87	57.622	56.331	97.8
TOTAL	528	330.579	308.850	93.4

TABLE 1.14

HAWAII

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	34	24.637	17.743	72.0
5,302 - 10,603	42	28.376	24.710	87.1
10,604 - 15,905	48	32.334	29.037	89.8
15,906 - 21,207	61	38.514	36.538	94.9
21,208 - 26,509	42	28.821	28.821	100.0
26,510 - 31,811	42	27.695	27.695	100.0
31,812 - 37,113	40	25.527	24.806	97.2
37,114 - 42,415	35	22.140	22.140	100.0
42,416 - 53,019	68	44.955	43.429	96.6
53,020 OR MORE	86	58.740	58.165	99.0
TOTAL	498	331.739	313.084	94.4

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	38	28.272	21.382	75.6
5,463 - 10,925	35	24.977	24.268	97.2
10,926 - 16,388	49	34.761	31.580	90.9
16,389 - 21,851	70	49.680	44.417	89.4
21,852 - 27,314	44	30.605	30.605	100.0
27,315 - 32,777	41	28.323	27.687	97.8
32,778 - 38,240	37	27.312	26.368	96.5
38,241 - 43,703	39	27.188	26.618	97.9
43,704 - 54,629	55	38.962	38.338	98.4
54,630 OR MORE	91	65.250	65.250	100.0
TOTAL	499	355.330	336.514	94.7

TABLE 1.14

HAWAII

CURRENT POPULATION SURVEY MARCH 1988

TOTAL - INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	28	20.367	15.334	75.3
5,677 - 11,353	40	29.158	26.457	90.7
11,354 - 17,030	47	30.573	28.219	92.3
17,031 - 22,707	59	40.760	40.071	98.3
22,708 - 28,384	42	30.602	28.140	92.0
28,385 - 34,061	49	34.476	33.817	98.1
34,062 - 39,738	42	29.068	29.068	100.0
39,739 - 45,415	33	23.356	22.774	97.5
45,416 - 56,769	69	48.971	47.659	97.3
56,770 OR MORE	111	81.641	80.163	98.2
TOTAL	520	368.972	351.702	95.3

TABLE 1.15

IDAHO

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	76	31.343	24.125	77.0
5,000 - 9,999	97	42.195	33.558	79.5
10,000 - 14,999	136	59.646	51.494	86.3
15,000 - 19,999	112	51.824	48.412	93.4
20,000 - 24,999	87	39.471	37.170	94.2
25,000 - 29,999	64	31.691	30.229	95.4
30,000 - 34,999	45	20.358	19.787	97.2
35,000 - 39,999	48	24.508	24.508	100.0
40,000 - 49,999	35	16.686	16.314	97.8
50,000 OR MORE	44	23.213	23.213	100.0
TOTAL	744	340.936	308.811	90.6

TABLE 1.15

IDAHO

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	72	34.067	25.626	75.2
5,302 - 10,603	95	45.212	37.496	82.9
10,604 - 15,905	121	56.094	49.358	88.0
15,906 - 21,207	96	45.869	44.443	96.9
21,208 - 26,509	85	41.620	38.810	93.2
26,510 - 31,811	63	33.607	33.607	100.0
31,812 - 37,113	56	26.973	26.466	98.1
37,114 - 42,415	40	19.504	19.085	97.9
42,416 - 53,019	43	21.572	21.572	100.0
53,020 OR MORE	46	22.118	21.636	97.8
TOTAL	722	346.635	318.098	91.3

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	73	35.675	26.571	74.5
5,185 - 10,369	103	44.370	36.310	81.8
10,370 - 15,554	114	50.487	45.994	91.1
15,555 - 20,739	96	45.774	42.949	93.8
20,740 - 25,924	99	47.600	45.165	94.9
25,925 - 31,109	70	35.225	34.968	99.3
31,110 - 36,294	58	29.854	28.950	97.0
36,295 - 41,479	41	19.710	19.710	100.0
41,480 - 51,864	44	21.650	21.650	100.0
51,865 OR MORE	42	18.789	18.789	100.0
TOTAL	740	349.135	321.056	92.0

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	74	36.157	27.055	74.8
5,463 - 10,925	98	47.533	41.089	86.4
10,926 - 16,388	119	57.548	50.293	87.4
16,389 - 21,851	87	43.409	39.865	91.8
21,852 - 27,314	93	46.689	44.186	94.6
27,315 - 32,777	72	35.523	34.723	97.7
32,778 - 38,240	61	30.088	29.682	98.6
38,241 - 43,703	35	17.385	16.879	97.1
43,704 - 54,629	39	20.212	20.212	100.0
54,630 OR MORE	30	14.319	14.319	100.0
TOTAL	708	348.864	318.303	91.2

TABLE 1.15

IDAHO

CURRENT POPULATION SURVEY MARCH 1988

TOTAL - INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	54	27.570	19.760	71.7
5,677 - 11,353	114	56.915	51.151	89.9
11,354 - 17,030	124	60.409	56.346	93.3
17,031 - 22,707	89	46.099	42.791	92.8
22,708 - 28,384	81	38.534	37.291	96.8
28,385 - 34,061	65	32.493	30.615	94.2
34,062 - 39,738	60	28.873	28.124	97.4
39,739 - 45,415	33	16.414	16.414	100.0
45,416 - 56,769	44	23.186	23.186	100.0
56,770 OR MORE	56	27.061	25.913	95.8
TOTAL	720	357.553	331.591	92.7

TABLE 1.16

ILLINOIS

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	169	334.915	278.540	83.2
5,000 - 9,999	275	533.069	483.489	90.7
10,000 - 14,999	265	518.717	485.911	93.7
15,000 - 19,999	239	447.759	439.664	98.2
20,000 - 24,999	227	429.260	413.260	96.3
25,000 - 29,999	210	386.679	376.774	97.4
30,000 - 34,999	170	332.602	330.850	99.5
35,000 - 39,999	141	265.918	265.918	100.0
40,000 - 49,999	194	370.016	364.130	98.4
50,000 OR MORE	262	516.890	514.195	99.5
TOTAL	2152	4135.824	3952.731	95.6

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	198	351.467	273.542	77.8
5,185 - 10,369	316	562.774	500.094	88.9
10,370 - 15,554	253	454.516	424.464	93.4
15,555 - 20,739	248	451.435	428.900	95.0
20,740 - 25,924	249	441.784	431.266	97.6
25,925 - 31,109	243	441.745	435.677	98.6
31,110 - 36,294	183	330.089	319.761	96.9
36,295 - 41,479	142	261.408	259.127	99.1
41,480 - 51,864	194	346.825	340.247	98.1
51,865 OR MORE	277	513.404	510.605	99.5
TOTAL	2303	4155.447	3923.684	94.4

TABLE 1.16

ILLINOIS

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	213	380.821	284.615	74.7
5,302 - 10,603	314	550.799	483.579	87.8
10,604 - 15,905	232	399.240	374.100	93.7
15,906 - 21,207	263	455.548	433.616	95.2
21,208 - 26,509	280	483.244	453.905	93.9
26,510 - 31,811	220	389.767	380.667	97.7
31,812 - 37,113	204	350.970	342.109	97.5
37,114 - 42,415	152	266.721	263.078	98.6
42,416 - 53,019	215	380.923	371.552	97.5
53,020 OR MORE	312	551.527	545.025	98.8
TOTAL	2405	4209.560	3932.245	93.4

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	232	423.565	336.809	79.5
5,463 - 10,925	251	455.558	411.842	90.4
10,926 - 16,388	253	456.585	410.520	89.9
16,389 - 21,851	245	442.929	417.308	94.2
21,852 - 27,314	232	420.764	410.332	97.5
27,315 - 32,777	238	440.587	421.864	95.8
32,778 - 38,240	209	380.644	371.784	97.7
38,241 - 43,703	156	282.529	277.676	98.3
43,704 - 54,629	195	358.536	351.936	98.2
54,630 OR MORE	327	601.276	601.276	100.0
TOTAL	2338	4262.972	4011.346	94.1

TABLE 1.16

ILLINOIS

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	215	423.583	340.387	80.4
5,677 - 11,353	291	530.145	457.237	86.2
11,354 - 17,030	248	461.407	433.437	93.9
17,031 - 22,707	242	444.091	416.333	93.7
22,708 - 28,384	213	378.284	371.390	98.2
28,385 - 34,061	208	386.692	380.662	98.4
34,062 - 39,738	207	375.164	369.867	98.6
39,739 - 45,415	138	251.905	243.958	96.8
45,416 - 56,769	248	446.210	441.139	98.9
56,770 OR MORE	340	616.470	616.470	100.0
TOTAL	2350	4313.951	4070.831	94.4

TABLE 1.17

INDIANA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	104	187.124	137.589	73.5
5,000 - 9,999	155	274.506	233.626	85.1
10,000 - 14,999	144	270.693	238.000	87.9
15,000 - 19,999	129	230.028	217.268	94.5
20,000 - 24,999	133	244.838	241.184	98.5
25,000 - 29,999	87	165.273	159.416	96.5
30,000 - 34,999	101	190.279	186.991	98.3
35,000 - 39,999	50	90.141	90.141	100.0
40,000 - 49,999	77	139.910	136.331	97.4
50,000 OR MORE	80	147.724	145.576	98.5
TOTAL	1060	1940.515	1786.121	92.0

TABLE 1.17

INDIANA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	73	163.222	128.711	78.9
5,302 - 10,633	117	259.953	222.060	85.4
10,604 - 15,935	120	276.841	248.878	89.9
15,906 - 21,237	117	263.941	250.594	94.9
21,208 - 26,539	127	287.636	270.835	94.2
26,510 - 31,811	83	186.277	184.149	98.9
31,812 - 37,113	75	166.418	164.739	99.0
37,114 - 42,415	65	146.002	139.220	95.4
42,416 - 53,019	71	158.213	158.213	100.0
53,020 OR MORE	77	174.475	169.850	97.3
TOTAL	925	2082.978	1937.249	93.0

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	86	185.486	144.840	78.1
5,185 - 10,359	129	282.040	220.117	78.0
10,370 - 15,554	126	259.738	226.955	87.4
15,555 - 20,739	121	250.512	227.302	90.7
20,740 - 25,924	93	203.737	197.368	96.9
25,925 - 31,109	116	249.051	249.051	100.0
31,110 - 36,294	79	171.319	171.319	100.0
36,295 - 41,479	61	134.107	132.014	98.4
41,480 - 51,849	92	194.212	190.595	98.1
51,850 OR MORE	57	142.999	140.802	98.5
TOTAL	970	2073.199	1900.363	91.7

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	78	194.751	151.058	77.6
5,463 - 10,925	110	268.709	226.612	84.3
10,926 - 16,388	110	276.257	232.283	84.1
16,389 - 21,851	105	259.118	241.574	93.2
21,852 - 27,314	100	250.179	239.912	95.9
27,315 - 32,777	94	232.178	219.808	94.7
32,778 - 38,240	64	154.926	147.559	95.2
38,241 - 43,703	56	139.435	139.435	100.0
43,704 - 54,629	73	177.190	177.190	100.0
54,630 OR MORE	57	138.188	133.625	96.7
TOTAL	847	2790.931	1909.056	91.3

TABLE 1.17

INDIANA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	68	176.544	113.118	64.1
5,677 - 11,353	133	327.728	282.660	86.2
11,354 - 17,030	130	322.803	299.254	92.7
17,031 - 22,707	97	238.377	216.046	90.6
22,708 - 28,384	85	209.196	204.698	97.9
28,385 - 34,061	85	209.906	206.473	98.4
34,062 - 39,738	65	157.179	152.251	96.9
39,739 - 45,415	53	127.814	125.585	98.3
45,416 - 56,769	65	160.315	158.169	98.7
56,770 OR MORE	75	181.011	178.297	98.5
TOTAL	856	2110.871	1936.551	91.7

TABLE 1.18

IOWA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	79	96.699	83.775	86.6
5,000 - 9,999	149	169.549	155.071	91.5
10,000 - 14,999	131	154.472	148.100	95.9
15,000 - 19,999	125	144.076	140.344	97.4
20,000 - 24,999	113	137.484	133.760	97.3
25,000 - 29,999	86	100.306	97.700	97.4
30,000 - 34,999	64	77.081	77.081	100.0
35,000 - 39,999	52	56.269	56.269	100.0
40,000 - 49,999	68	72.949	72.471	99.3
50,000 OR MORE	72	79.522	78.492	98.7
TOTAL	939	1093.408	1043.063	95.8

TABLE 1.18

IOWA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	74	110.553	89.057	79.7
5,302 - 10,603	98	144.982	136.191	93.9
10,604 - 15,905	112	168.549	162.526	96.4
15,906 - 21,207	90	134.337	131.275	97.7
21,208 - 26,509	82	123.204	115.804	94.0
26,510 - 31,811	77	113.010	113.010	100.0
31,812 - 37,113	59	87.217	87.217	100.0
37,114 - 42,415	35	50.057	50.057	100.0
42,416 - 53,019	45	65.310	65.310	100.0
53,020 OR MORE	58	86.543	85.237	98.5
TOTAL	730	1033.763	1034.685	95.5

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	75	100.487	89.403	89.0
5,185 - 10,369	116	156.101	144.251	92.4
10,370 - 15,554	127	163.706	156.515	95.6
15,555 - 20,739	105	145.978	139.259	95.4
20,740 - 25,924	93	123.077	121.320	98.6
25,925 - 31,109	75	101.144	95.576	94.5
31,110 - 36,294	51	67.934	67.934	100.0
36,295 - 41,479	31	38.093	38.093	100.0
41,480 - 51,849	72	93.571	93.074	99.5
51,850 OR MORE	74	98.031	98.031	100.0
TOTAL	819	1088.122	1043.456	95.9

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	68	98.359	85.072	86.5
5,463 - 10,925	93	134.083	116.608	87.0
10,926 - 16,388	104	153.321	147.794	96.4
16,389 - 21,851	105	155.777	151.516	97.3
21,852 - 27,314	90	131.646	127.292	96.7
27,315 - 32,777	75	110.226	110.226	100.0
32,778 - 38,240	60	87.864	87.864	100.0
38,241 - 43,703	42	62.561	62.561	100.0
43,704 - 54,629	56	81.264	78.244	96.3
54,630 OR MORE	55	81.387	81.387	100.0
TOTAL	748	1096.488	1048.565	95.6

TABLE 1.18

IOWA

CURRENT POPULATION SURVEY MARCH 1938

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	63	96.102	76.175	79.3
5,677 - 11,353	111	167.049	143.958	86.2
11,354 - 17,030	101	151.755	146.954	96.8
17,031 - 22,707	108	162.640	157.715	97.0
22,708 - 28,384	82	122.826	122.826	100.0
28,385 - 34,061	89	134.226	131.430	97.9
34,062 - 39,738	54	79.589	78.035	98.1
39,739 - 45,415	44	65.452	62.234	95.1
45,416 - 56,769	55	81.323	81.323	100.0
56,770 OR MORE	44	63.729	63.729	100.0
TOTAL	751	1124.690	1064.429	94.6

TABLE 1.19

KANSAS

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	65	77.733	67.311	86.6
5,000 - 9,999	106	122.397	105.901	86.5
10,000 - 14,999	110	137.334	127.357	92.7
15,000 - 19,999	87	111.694	103.886	93.0
20,000 - 24,999	92	117.184	114.286	97.5
25,000 - 29,999	81	101.885	99.836	98.0
30,000 - 34,999	66	86.600	86.600	100.0
35,000 - 39,999	45	52.082	50.695	97.3
40,000 - 49,999	45	52.729	52.729	100.0
50,000 OR MORE	51	61.486	61.486	100.0
TOTAL	743	921.125	870.087	94.5

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	58	74.315	62.002	83.4
5,185 - 10,369	90	95.148	88.422	92.9
10,370 - 15,554	84	102.692	92.311	89.9
15,555 - 20,739	98	119.582	110.349	92.3
20,740 - 25,924	79	97.039	94.350	97.2
25,925 - 31,109	82	101.119	97.873	96.8
31,110 - 36,294	66	79.812	79.036	99.0
36,295 - 41,479	53	65.117	65.117	100.0
41,480 - 51,864	73	85.390	85.390	100.0
51,865 OR MORE	58	93.187	81.631	98.1
TOTAL	741	923.401	856.481	94.8

TABLE 1.19

KANSAS

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	70	96.505	86.059	89.2
5,302 - 10,603	89	112.133	101.986	91.0
10,604 - 15,905	97	125.071	111.782	89.4
15,906 - 21,207	81	100.737	93.817	93.1
21,208 - 26,509	76	94.865	86.675	91.4
26,510 - 31,811	59	72.129	69.928	96.8
31,812 - 37,113	60	72.759	71.727	98.6
37,114 - 42,415	47	56.982	56.982	100.0
42,416 - 53,019	63	78.013	76.592	98.2
53,020 OR MORE	84	102.475	100.090	97.7
TOTAL	725	911.668	855.538	93.8

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	63	90.657	69.945	86.7
5,463 - 10,925	86	109.680	105.480	96.2
10,926 - 16,388	88	112.920	106.285	94.1
16,389 - 21,851	92	116.305	108.863	93.6
21,852 - 27,314	98	123.633	117.515	95.1
27,315 - 32,777	65	81.485	80.338	98.6
32,778 - 38,240	53	63.038	68.038	100.0
38,241 - 43,703	43	52.211	50.616	96.9
43,704 - 54,629	66	80.918	79.821	98.6
54,630 OR MORE	80	100.307	97.635	97.3
TOTAL	734	926.155	884.536	95.5

TABLE 1.19

KANSAS

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	57	76.911	64.620	84.0
5,677 - 11,353	100	131.154	120.249	91.7
11,354 - 17,030	89	121.308	113.537	93.6
17,031 - 22,707	93	121.882	114.229	93.7
22,708 - 28,384	73	96.788	93.725	96.8
28,385 - 34,061	76	105.007	101.320	96.5
34,062 - 39,738	49	64.892	64.892	100.0
39,739 - 45,415	45	58.854	58.854	100.0
45,416 - 56,769	70	90.752	90.752	100.0
56,770 OR MORE	66	85.014	85.014	100.0
TOTAL	718	952.564	907.193	95.2

TABLE 1.20

KENTUCKY

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	88	141.320	100.733	71.3
5,000 - 9,999	126	217.574	158.136	72.7
10,000 - 14,999	104	130.820	147.631	81.6
15,000 - 19,999	104	172.575	167.727	97.2
20,000 - 24,999	88	143.830	131.333	91.3
25,000 - 29,999	76	125.665	120.556	95.9
30,000 - 34,999	53	87.486	77.857	89.0
35,000 - 39,999	42	78.291	78.291	100.0
40,000 - 49,999	52	94.818	82.005	96.7
50,000 OR MORE	51	86.919	85.121	97.9
TOTAL	784	1319.300	1149.388	87.1

TABLE 1.20

KENTUCKY

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	93	139.656	130.711	68.9
5,302 - 10,603	116	229.930	195.736	80.8
10,604 - 15,905	114	229.667	197.154	85.8
15,906 - 21,207	90	180.169	158.658	88.1
21,208 - 26,509	60	121.242	113.994	94.0
26,510 - 31,811	53	104.514	99.990	95.7
31,812 - 37,113	44	89.352	86.933	97.3
37,114 - 42,415	38	77.406	72.803	94.1
42,416 - 53,019	43	84.919	84.919	100.0
53,020 OR MORE	43	93.004	83.004	100.0
TOTAL	694	1389.860	1213.903	87.3

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	82	158.456	118.607	74.9
5,185 - 10,359	122	243.595	199.563	81.9
10,370 - 15,554	111	212.562	191.194	89.9
15,555 - 20,739	78	150.046	130.523	87.0
20,740 - 25,924	91	135.404	173.775	93.7
25,925 - 31,109	51	99.269	95.533	96.2
31,110 - 36,294	48	89.028	86.411	97.1
36,295 - 41,479	34	64.320	60.504	94.1
41,480 - 51,849	36	68.452	68.452	100.0
51,850 OR MORE	52	90.743	88.193	97.2
TOTAL	705	1361.873	1212.756	89.1

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	87	169.283	105.242	62.2
5,463 - 10,925	110	207.423	172.677	83.2
10,926 - 16,388	100	196.954	177.394	90.1
16,389 - 21,851	67	133.090	121.031	90.9
21,852 - 27,314	37	168.678	155.049	91.9
27,315 - 32,777	55	106.296	93.725	88.2
32,778 - 38,240	47	96.426	94.341	97.8
38,241 - 43,703	32	60.774	58.671	96.5
43,704 - 54,629	37	71.847	71.847	100.0
54,630 OR MORE	47	90.184	88.357	98.0
TOTAL	669	1300.955	1138.334	87.5

TABLE 1.20

KENTUCKY

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	91	190.582	128.642	67.5
5,677 - 11,353	98	201.268	174.570	86.7
11,354 - 17,030	99	200.755	172.763	86.1
17,031 - 22,707	76	155.934	149.184	95.7
22,708 - 28,384	60	128.091	115.451	90.1
28,385 - 34,061	65	128.862	128.862	100.0
34,062 - 39,738	42	91.128	87.733	96.3
39,739 - 45,415	38	80.866	78.340	96.9
45,416 - 56,769	42	83.778	83.778	100.0
56,770 OR MORE	50	103.250	103.250	100.0
TOTAL	661	1364.515	1222.571	89.6

TABLE 1.21

LOUISIANA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	117	212.996	160.531	75.4
5,000 - 9,999	142	264.406	225.649	85.3
10,000 - 14,999	102	194.254	171.411	88.2
15,000 - 19,999	83	163.094	142.905	87.6
20,000 - 24,999	68	136.653	126.581	92.6
25,000 - 29,999	58	119.553	114.467	95.7
30,000 - 34,999	65	132.436	128.995	97.4
35,000 - 39,999	36	65.883	63.467	96.3
40,000 - 49,999	53	110.954	109.123	98.3
50,000 OR MORE	67	143.234	139.921	97.7
TOTAL	791	1543.465	1383.050	89.6

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	89	178.281	128.817	72.3
5,185 - 10,369	122	258.070	218.692	84.7
10,370 - 15,554	104	227.321	197.817	87.0
15,555 - 20,739	76	155.630	150.927	97.0
20,740 - 25,924	72	153.360	148.729	97.0
25,925 - 31,109	63	124.229	115.201	92.7
31,110 - 36,294	47	93.666	92.218	98.5
36,295 - 41,479	39	81.850	81.850	100.0
41,480 - 51,849	37	82.005	82.005	100.0
51,850 OR MORE	75	161.047	158.953	98.7
TOTAL	723	1515.458	1375.210	90.7

TABLE 1.21

LOUISIANA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	74	169.470	126.562	74.7
5,302 - 10,603	95	223.556	190.943	80.9
10,604 - 15,905	83	200.501	173.038	86.3
15,906 - 21,207	65	152.782	144.326	94.5
21,208 - 26,509	59	137.258	130.356	95.0
26,510 - 31,811	57	133.561	126.681	94.8
31,812 - 37,113	47	109.206	106.911	97.9
37,114 - 42,415	34	83.284	80.380	96.5
42,416 - 53,719	46	105.958	105.958	100.0
53,720 OR MORE	75	174.977	174.977	100.0
TOTAL	634	1490.552	1350.131	90.6

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	95	269.218	179.948	66.8
5,463 - 10,925	76	209.204	165.423	79.1
10,926 - 16,388	69	185.411	147.657	79.6
16,389 - 21,851	50	124.912	108.221	86.6
21,852 - 27,314	49	130.222	120.972	92.9
27,315 - 32,777	47	125.728	122.571	97.5
32,778 - 38,240	39	103.962	103.962	100.0
38,241 - 43,703	30	92.184	82.184	100.0
43,704 - 54,629	42	111.459	111.459	100.0
54,630 OR MORE	77	204.133	204.133	100.0
TOTAL	574	1546.434	1346.529	87.1

TABLE 1.21

LOUISIANA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	89	241.786	161.296	66.7
5,677 - 11,353	90	242.785	174.087	71.7
11,354 - 17,030	68	172.416	142.170	82.5
17,031 - 22,707	64	171.257	159.266	93.0
22,708 - 28,384	52	144.044	138.903	96.4
28,385 - 34,061	38	95.809	93.155	97.2
34,062 - 39,738	44	119.124	114.428	96.1
39,739 - 45,415	43	107.714	107.714	100.0
45,416 - 56,769	46	118.424	118.424	100.0
56,770 OR MORE	58	152.672	152.672	100.0
TOTAL	592	1566.032	1362.113	87.0

TABLE 1.22

MAINE

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	43	24.885	19.702	79.2
5,000 - 9,999	110	61.517	52.109	84.7
10,000 - 14,999	101	58.153	54.847	94.3
15,000 - 19,999	96	57.590	53.982	93.7
20,000 - 24,999	97	57.053	55.770	97.8
25,000 - 29,999	56	31.339	31.339	100.0
30,000 - 34,999	62	34.872	34.872	100.0
35,000 - 39,999	46	26.717	26.717	100.0
40,000 - 49,999	50	29.164	29.164	100.0
50,000 OR MORE	40	21.812	21.812	100.0
TOTAL	701	403.101	380.312	94.3

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	55	35.258	30.369	86.1
5,185 - 10,369	94	59.776	52.629	88.0
10,370 - 15,554	108	71.863	66.331	92.3
15,555 - 20,739	73	50.514	45.569	90.2
20,740 - 25,924	63	40.379	40.379	100.0
25,925 - 31,109	53	42.697	42.090	98.6
31,110 - 36,294	55	40.447	39.728	98.2
36,295 - 41,479	42	27.616	27.616	100.0
41,480 - 51,849	49	31.286	30.652	98.0
51,850 OR MORE	46	29.830	29.340	98.4
TOTAL	648	429.665	404.702	94.2

TABLE 1.22

MAINE

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	54	41.180	32.081	77.9
5,302 - 10,603	100	75.231	65.604	87.2
10,604 - 15,905	82	59.728	57.675	96.6
15,906 - 21,207	65	49.062	46.718	95.2
21,208 - 26,509	68	51.560	48.621	94.3
26,510 - 31,811	67	49.013	46.764	95.4
31,812 - 37,113	44	32.306	31.515	97.6
37,114 - 42,415	33	24.330	22.842	93.9
42,416 - 53,019	43	31.903	31.903	100.0
53,020 OR MORE	31	22.833	22.084	96.7
TOTAL	587	437.146	405.808	92.8

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	44	34.358	30.727	89.4
5,463 - 10,925	78	59.605	55.777	93.6
10,926 - 16,388	77	56.073	48.790	87.0
16,389 - 21,851	77	58.583	52.590	89.8
21,852 - 27,314	65	47.940	45.926	95.8
27,315 - 32,777	68	50.393	49.546	98.3
32,778 - 38,240	39	28.841	27.986	97.0
38,241 - 43,703	35	25.557	24.780	97.0
43,704 - 54,629	56	40.539	40.539	100.0
54,630 OR MORE	48	35.274	35.274	100.0
TOTAL	587	437.163	411.934	94.2

TABLE 1.22

MAINE

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	50	41.281	34.593	83.8
5,677 - 11,353	80	60.458	55.944	92.5
11,354 - 17,030	88	67.459	61.579	91.3
17,031 - 22,707	70	52.233	49.152	94.1
22,708 - 28,384	74	56.898	55.115	96.9
28,385 - 34,061	68	51.715	48.602	94.0
34,062 - 39,738	49	36.736	36.736	100.0
39,739 - 45,415	33	24.844	24.844	100.0
45,416 - 56,769	49	36.863	36.863	100.0
56,770 OR MORE	49	37.712	36.263	96.2
TOTAL	610	466.198	439.690	94.3

TABLE 1.23

MARYLAND

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	50	77.400	66.120	85.4
5,000 - 9,999	79	123.047	108.321	88.0
10,000 - 14,999	89	150.805	143.000	94.8
15,000 - 19,999	94	152.743	144.987	94.9
20,000 - 24,999	88	132.837	128.647	96.8
25,000 - 29,999	95	148.382	146.805	98.9
30,000 - 34,999	77	120.989	119.526	98.8
35,000 - 39,999	65	104.866	104.866	100.0
40,000 - 49,999	97	144.031	144.031	100.0
50,000 OR MORE	205	304.678	298.089	97.8
TOTAL	939	1459.778	1404.391	96.2

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	52	95.711	75.249	78.6
5,185 - 10,369	88	152.935	136.779	89.4
10,370 - 15,554	76	134.603	115.436	85.8
15,555 - 20,739	95	174.172	164.335	94.4
20,740 - 25,924	81	143.651	137.189	95.5
25,925 - 31,109	70	121.379	121.379	100.0
31,110 - 36,294	69	121.338	121.338	100.0
36,295 - 41,479	59	104.373	104.373	100.0
41,480 - 51,849	125	214.945	213.322	99.2
51,850 OR MORE	185	310.464	310.464	100.0
TOTAL	901	1573.570	1499.863	95.3

TABLE 1.23

MARYLAND

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	56	109.349	83.306	76.2
5,302 - 10,603	84	161.000	139.656	86.7
10,604 - 15,905	76	143.771	138.387	96.3
15,906 - 21,207	80	156.398	147.972	94.6
21,208 - 26,509	83	161.676	160.006	99.0
26,510 - 31,811	70	137.504	132.757	96.5
31,812 - 37,113	65	125.398	125.398	100.0
37,114 - 42,415	57	108.789	108.789	100.0
42,416 - 53,019	107	208.144	208.144	100.0
53,020 OR MORE	169	326.013	324.032	99.4
TOTAL	847	1638.042	1568.447	95.8

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	50	110.320	89.733	81.3
5,463 - 10,925	76	161.509	142.361	88.1
10,926 - 16,388	68	147.974	139.228	94.1
16,389 - 21,851	65	138.830	134.589	96.9
21,852 - 27,314	75	168.716	164.161	97.3
27,315 - 32,777	67	143.149	139.132	97.2
32,778 - 38,240	60	128.595	128.595	100.0
38,241 - 43,703	62	131.027	131.027	100.0
43,704 - 54,629	82	173.046	173.046	100.0
54,630 OR MORE	158	331.390	331.390	100.0
TOTAL	753	1534.556	1573.262	96.3

TABLE 1.23

MARYLAND

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	52	118.423	101.186	85.4
5,677 - 11,353	56	127.506	111.968	87.8
11,354 - 17,030	55	117.561	113.537	96.6
17,031 - 22,707	73	166.094	156.611	94.3
22,708 - 28,384	67	147.297	144.761	98.3
28,385 - 34,061	59	127.548	127.548	100.0
34,062 - 39,738	60	130.123	130.123	100.0
39,739 - 45,415	67	142.435	137.622	96.6
45,416 - 56,769	106	232.519	230.511	99.1
56,770 OR MORE	163	355.651	353.240	99.3
TOTAL	758	1665.157	1607.107	96.5

TABLE 1.24

MASSACHUSETTS

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	83	125.312	101.426	80.9
5,000 - 9,999	163	248.676	228.379	91.8
10,000 - 14,999	143	222.834	204.954	92.0
15,000 - 19,999	150	236.916	223.158	94.2
20,000 - 24,999	151	237.391	229.827	96.8
25,000 - 29,999	111	174.550	172.480	98.8
30,000 - 34,999	111	174.174	174.174	100.0
35,000 - 39,999	86	133.844	133.844	100.0
40,000 - 49,999	141	224.444	222.922	99.3
50,000 OR MORE	204	318.606	315.058	98.9
TOTAL	1343	2096.747	2006.223	95.7

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	110	117.552	101.164	86.1
5,185 - 10,359	221	245.709	217.973	88.7
10,370 - 15,554	185	210.101	195.521	93.1
15,555 - 20,739	193	222.769	215.771	96.9
20,740 - 25,924	173	203.712	197.787	97.1
25,925 - 31,109	167	196.560	191.847	97.6
31,110 - 36,294	145	159.526	155.802	97.7
36,295 - 41,479	133	155.328	154.417	99.4
41,480 - 51,849	189	215.976	215.976	100.0
51,850 OR MORE	294	351.185	347.785	99.0
TOTAL	1810	2078.420	1994.043	95.9

TABLE 1.24

MASSACHUSETTS

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	159	153.278	132.122	86.2
5,302 - 10,603	261	244.059	221.677	90.8
10,604 - 15,905	214	208.651	196.945	94.4
15,906 - 21,207	206	200.771	193.620	96.4
21,208 - 26,509	223	219.491	212.064	96.6
26,510 - 31,811	223	217.898	213.199	97.8
31,812 - 37,113	197	190.805	187.936	98.5
37,114 - 42,415	174	169.546	167.691	98.9
42,416 - 53,019	239	230.546	228.416	99.1
53,020 OR MORE	364	354.231	353.278	99.7
TOTAL	2260	2189.276	2106.948	96.2

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	144	142.480	123.989	87.0
5,463 - 10,925	266	255.757	234.086	91.5
10,926 - 16,388	211	205.624	195.334	95.0
16,389 - 21,851	201	200.829	190.015	94.6
21,852 - 27,314	184	193.827	183.827	100.0
27,315 - 32,777	204	203.592	200.639	98.5
32,778 - 38,240	179	180.223	177.199	98.3
38,241 - 43,703	167	164.976	164.002	99.4
43,704 - 54,629	233	234.250	232.108	99.1
54,630 OR MORE	418	412.875	411.258	99.6
TOTAL	2207	2184.432	2112.456	96.7

TABLE 1.24

MASSACHUSETTS

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	151	144.301	118.365	82.0
5,677 - 11,353	256	245.350	225.937	92.1
11,354 - 17,030	196	192.797	189.208	98.1
17,031 - 22,707	199	195.470	190.550	97.5
22,708 - 28,384	195	193.012	188.471	97.6
28,385 - 34,061	198	197.050	194.429	98.7
34,062 - 39,738	179	178.626	174.396	97.6
39,739 - 45,415	160	156.803	156.803	100.0
45,416 - 56,769	244	243.973	242.458	99.4
56,770 OR MORE	479	471.459	469.692	99.6
TOTAL	2257	2218.842	2150.310	96.9

TABLE 1.25

MICHIGAN

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	191	357.731	269.033	75.2
5,000 - 9,999	227	406.593	349.225	85.9
10,000 - 14,999	222	403.970	376.406	93.2
15,000 - 19,999	186	335.548	312.680	93.2
20,000 - 24,999	215	386.705	375.700	97.2
25,000 - 29,999	169	311.185	307.010	98.7
30,000 - 34,999	157	289.025	284.746	98.5
35,000 - 39,999	116	207.435	207.435	100.0
40,000 - 49,999	144	259.182	257.294	99.3
50,000 OR MORE	159	293.053	293.053	100.0
TOTAL	1786	3250.427	3032.582	93.3

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	203	323.616	236.545	73.1
5,185 - 10,369	320	493.787	425.944	86.3
10,370 - 15,554	221	336.123	308.825	91.9
15,555 - 20,739	224	342.644	317.090	92.5
20,740 - 25,924	188	299.638	285.152	95.5
25,925 - 31,109	197	301.348	296.066	98.2
31,110 - 36,294	170	261.825	257.289	98.3
36,295 - 41,479	132	209.105	207.481	99.2
41,480 - 51,849	134	286.702	285.320	99.5
51,850 OR MORE	245	381.501	379.769	99.5
TOTAL	2084	3235.290	2999.481	92.7

TABLE 1.25

MICHIGAN

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,391 OR LESS	219	317.386	246.230	77.6
5,392 - 10,633	310	441.427	398.846	90.4
10,694 - 15,935	270	398.990	354.956	91.3
15,996 - 21,237	257	362.206	334.528	92.4
21,298 - 26,539	297	291.964	284.574	97.5
26,590 - 31,831	208	293.778	284.653	96.9
31,892 - 37,133	172	245.328	238.582	97.3
37,194 - 42,435	165	235.443	230.997	98.1
42,496 - 53,019	212	298.791	293.062	98.1
53,080 OR MORE	325	456.772	453.987	99.4
TOTAL	2345	3332.088	3120.415	93.6

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	194	288.268	223.652	77.6
5,463 - 10,925	266	395.118	341.227	86.4
10,926 - 16,388	235	344.579	325.473	94.5
16,389 - 21,851	239	351.755	337.957	96.1
21,852 - 27,314	230	338.340	319.099	94.3
27,315 - 32,777	203	298.324	291.505	97.7
32,778 - 38,240	170	247.158	244.015	98.7
38,241 - 43,703	162	234.969	233.544	99.4
43,704 - 54,629	232	337.692	328.833	97.4
54,630 OR MORE	341	497.347	495.822	99.7
TOTAL	2272	3333.549	3141.126	94.2

TABLE 1.25

MICHIGAN

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	173	265.029	199.389	75.2
5,677 - 11,353	296	439.534	392.203	89.2
11,354 - 17,030	234	345.261	314.969	91.2
17,031 - 22,707	217	315.676	309.535	98.1
22,708 - 28,384	236	343.427	320.760	93.4
28,385 - 34,061	216	307.595	304.733	99.1
34,062 - 39,738	163	240.272	240.272	100.0
39,739 - 45,415	168	240.621	236.142	98.1
45,416 - 56,769	232	337.613	334.538	99.1
56,770 OR MORE	356	514.964	513.618	99.7
TOTAL	2291	3349.993	3166.160	94.5

TABLE 1.26

MINNESOTA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	76	107.298	91.350	85.6
5,000 - 9,999	125	136.418	158.422	85.0
10,000 - 14,999	135	168.771	156.241	92.6
15,000 - 19,999	120	162.174	160.601	99.0
20,000 - 24,999	128	179.409	179.409	100.0
25,000 - 29,999	97	127.799	126.943	99.3
30,000 - 34,999	118	160.001	160.001	100.0
35,000 - 39,999	79	108.556	107.856	99.4
40,000 - 49,999	103	141.169	141.169	100.0
50,000 OR MORE	107	152.973	151.464	99.0
TOTAL	1088	1494.568	1433.957	95.9

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	55	87.543	75.509	86.3
5,185 - 10,359	110	200.067	184.634	92.3
10,370 - 15,554	106	184.288	178.317	96.8
15,555 - 20,739	105	181.901	180.264	99.1
20,740 - 25,924	97	168.535	168.535	100.0
25,925 - 31,109	78	131.108	129.041	98.4
31,110 - 36,294	77	134.493	131.595	97.8
36,295 - 41,479	63	108.827	106.331	97.7
41,480 - 51,849	89	156.859	155.222	99.0
51,850 OR MORE	103	179.690	179.690	100.0
TOTAL	884	1533.311	1439.138	97.1

TABLE 1.26

MINNESOTA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	62	142.341	110.110	77.4
5,302 - 10,603	92	198.392	181.154	91.3
10,604 - 15,905	84	189.832	183.440	96.6
15,906 - 21,207	77	168.891	160.014	94.7
21,208 - 26,509	81	173.486	176.125	98.7
26,510 - 31,811	60	127.896	127.896	100.0
31,812 - 37,113	57	125.018	125.018	100.0
37,114 - 42,415	53	113.347	111.183	98.1
42,416 - 53,019	52	111.071	111.071	100.0
53,020 OR MORE	100	214.543	214.543	100.0
TOTAL	718	1569.816	1500.553	95.6

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	30	72.250	65.118	90.1
5,463 - 10,925	100	240.217	207.713	86.5
10,926 - 16,388	75	181.453	172.752	95.2
16,389 - 21,851	67	165.089	160.102	97.0
21,852 - 27,314	61	152.396	147.073	96.5
27,315 - 32,777	60	143.403	143.403	100.0
32,778 - 38,240	50	125.239	122.589	97.9
38,241 - 43,703	44	105.625	105.625	100.0
43,704 - 54,629	62	149.427	147.185	98.5
54,630 OR MORE	95	230.957	230.957	100.0
TOTAL	644	1566.055	1502.517	95.9

TABLE 1.26

MINNESOTA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	42	108.354	92.733	85.6
5,677 - 11,353	89	219.166	209.636	95.7
11,354 - 17,030	72	180.472	175.411	97.2
17,031 - 22,707	57	144.650	134.593	93.0
22,708 - 28,384	66	165.134	165.134	100.0
28,385 - 34,061	54	136.126	136.126	100.0
34,062 - 39,738	58	146.426	144.070	98.4
39,739 - 45,415	59	146.238	143.672	98.2
45,416 - 56,769	66	168.761	168.761	100.0
56,770 OR MORE	95	242.129	239.363	98.9
TOTAL	658	1657.456	1609.499	97.1

TABLE 1.27

MISSISSIPPI

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	141	160.077	98.977	61.8
5,000 - 9,999	155	177.626	141.799	79.8
10,000 - 14,999	111	133.006	108.810	81.8
15,000 - 19,999	90	101.346	76.256	75.2
20,000 - 24,999	82	93.139	85.243	91.5
25,000 - 29,999	66	74.352	68.898	92.7
30,000 - 34,999	35	39.522	38.309	96.9
35,000 - 39,999	35	37.244	35.651	95.7
40,000 - 49,999	38	45.342	45.342	100.0
50,000 OR MORE	41	45.100	43.682	96.9
TOTAL	794	906.755	742.966	81.9

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	113	126.657	84.185	66.5
5,185 - 10,369	146	173.311	123.060	71.0
10,370 - 15,554	131	157.050	123.270	78.5
15,555 - 20,739	91	107.983	92.411	85.6
20,740 - 25,924	75	90.470	80.835	89.4
25,925 - 31,109	49	59.954	58.591	97.7
31,110 - 36,294	42	47.115	42.911	91.1
36,295 - 41,479	24	30.176	27.880	92.4
41,480 - 51,849	45	55.653	53.017	95.3
51,850 OR MORE	31	39.631	39.631	100.0
TOTAL	749	887.999	725.791	81.7

TABLE 1.27

MISSISSIPPI

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	113	131.011	77.068	58.8
5,302 - 10,603	141	166.814	118.122	70.8
10,604 - 15,905	115	132.063	115.196	87.2
15,906 - 21,207	97	114.927	98.368	85.6
21,208 - 26,509	72	86.933	74.412	85.6
26,510 - 31,811	52	63.346	61.994	97.9
31,812 - 37,113	41	49.714	47.281	94.7
37,114 - 42,415	26	29.956	27.678	92.4
42,416 - 53,019	33	40.615	39.302	96.8
53,020 OR MORE	51	53.548	62.655	99.6
TOTAL	741	879.127	722.076	82.1

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	133	169.268	103.012	61.2
5,463 - 10,925	126	166.884	125.723	75.3
10,926 - 16,388	110	135.704	109.204	80.5
16,389 - 21,851	82	107.883	96.141	89.1
21,852 - 27,314	54	80.382	74.696	92.9
27,315 - 32,777	49	56.537	63.743	95.8
32,778 - 38,240	44	56.608	56.608	100.0
38,241 - 43,703	38	48.255	44.560	92.3
43,704 - 54,629	42	52.990	48.815	92.1
54,630 OR MORE	42	55.067	54.239	98.5
TOTAL	730	938.578	776.741	82.8

TABLE 1.27

MISSISSIPPI

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	104	130.291	92.391	70.9
5,677 - 11,353	134	166.909	128.079	76.7
11,354 - 17,030	102	128.639	100.986	78.5
17,031 - 22,707	98	117.190	94.235	80.4
22,708 - 28,384	69	82.340	78.550	95.4
28,385 - 34,061	48	57.830	54.227	93.8
34,062 - 39,738	51	64.466	61.711	95.7
39,739 - 45,415	38	44.913	39.858	88.7
45,416 - 56,769	41	51.148	51.148	100.0
56,770 OR MORE	45	56.560	55.324	97.8
TOTAL	730	900.286	756.510	84.0

TABLE 1.28

MISSOURI

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	121	209.989	169.244	80.6
5,000 - 9,999	145	250.296	210.450	84.1
10,000 - 14,999	159	275.121	242.374	88.1
15,000 - 19,999	135	239.700	222.077	93.0
20,000 - 24,999	104	180.523	175.235	97.1
25,000 - 29,999	78	136.421	131.908	96.7
30,000 - 34,999	77	141.088	141.088	100.0
35,000 - 39,999	53	95.482	93.588	98.0
40,000 - 49,999	78	135.411	135.411	100.0
50,000 OR MORE	95	167.266	165.428	98.9
TOTAL	1045	1930.295	1686.803	92.2

TABLE 1.29

MISSOURI

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	75	161.393	131.101	81.2
5,302 - 10,633	122	251.722	215.233	85.5
10,604 - 15,905	121	254.360	231.337	90.9
15,906 - 21,237	117	248.462	225.782	91.3
21,208 - 26,539	105	216.787	210.496	97.1
26,510 - 31,811	89	194.326	180.290	92.8
31,812 - 37,113	71	146.613	144.541	98.6
37,114 - 42,415	60	124.203	124.203	100.0
42,416 - 53,019	73	149.284	149.284	100.0
53,020 OR MORE	75	158.586	152.365	96.1
TOTAL	997	1895.737	1765.631	93.1

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	88	162.794	131.267	80.6
5,185 - 10,369	151	286.499	242.845	84.8
10,370 - 15,554	129	245.362	212.560	86.6
15,555 - 20,739	128	239.484	227.444	95.0
20,740 - 25,924	105	200.582	193.088	96.3
25,925 - 31,139	93	174.007	169.961	97.7
31,110 - 36,294	70	127.809	125.952	98.5
36,295 - 41,479	64	113.486	111.865	98.6
41,480 - 51,849	79	146.702	146.702	100.0
51,850 OR MORE	92	171.780	171.780	100.0
TOTAL	1099	1368.505	1233.364	92.8

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	85	221.639	149.154	67.3
5,463 - 10,925	104	242.182	216.307	89.3
10,926 - 16,388	131	323.232	286.725	88.7
16,389 - 21,851	83	190.330	187.312	98.4
21,852 - 27,314	80	184.327	167.831	91.1
27,315 - 32,777	65	155.923	149.994	96.2
32,778 - 38,240	72	166.068	161.611	97.3
38,241 - 43,703	47	110.279	110.279	100.0
43,704 - 54,629	72	163.585	163.585	100.0
54,630 OR MORE	76	179.339	179.339	100.0
TOTAL	815	1936.905	1772.137	91.5

TABLE 1.28

MISSOURI

CURRENT POPULATION SURVEY MARCH 1958

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	70	170.175	112.948	66.4
5,677 - 11,353	120	293.623	255.460	87.0
11,354 - 17,030	112	276.473	261.749	94.7
17,031 - 22,707	84	202.241	191.940	94.9
22,708 - 28,384	78	182.722	180.574	98.8
28,385 - 34,061	81	200.279	192.712	96.2
34,062 - 39,738	67	162.127	162.127	100.0
39,739 - 45,415	60	143.662	138.339	96.3
45,416 - 56,769	54	126.984	126.984	100.0
56,770 OR MORE	82	190.314	188.181	98.9
TOTAL	808	1948.601	1811.013	92.9

TABLE 1.29

MONTANA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	93	32.480	24.659	75.9
5,000 - 9,999	137	47.733	39.183	82.1
10,000 - 14,999	121	43.061	41.762	86.9
15,000 - 19,999	99	35.894	32.694	91.1
20,000 - 24,999	101	34.905	34.662	99.3
25,000 - 29,999	79	29.248	26.215	92.8
30,000 - 34,999	58	21.769	21.482	98.7
35,000 - 39,999	46	16.866	16.163	95.8
40,000 - 49,999	56	20.550	20.550	100.0
50,000 OR MORE	40	14.945	14.945	100.0
TOTAL	830	301.450	272.316	90.3

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	58	24.157	19.385	80.2
5,185 - 10,359	127	53.373	45.713	85.6
10,370 - 15,554	92	39.137	34.185	89.6
15,555 - 20,739	109	46.423	42.084	90.7
20,740 - 25,924	81	32.753	32.280	98.6
25,925 - 31,109	62	26.963	26.096	96.8
31,110 - 36,294	51	21.761	20.836	95.7
36,295 - 41,479	47	19.091	19.091	100.0
41,480 - 51,849	56	22.863	22.438	98.1
51,850 OR MORE	46	20.150	19.793	98.2
TOTAL	729	305.671	281.900	92.2

TABLE 1.29

MONTANA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	82	33.236	24.245	72.9
5,302 - 10,603	125	49.920	43.234	86.8
10,604 - 15,905	105	41.068	37.740	91.9
15,906 - 21,207	98	39.676	38.676	100.0
21,208 - 26,509	70	29.123	27.290	97.0
26,510 - 31,811	69	28.370	27.938	98.5
31,812 - 37,113	46	18.566	18.566	100.0
37,114 - 42,415	51	19.695	19.264	97.8
42,416 - 53,019	72	28.750	28.036	97.5
53,020 OR MORE	59	23.353	23.353	100.0
TOTAL	777	309.658	288.342	93.1

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	78	30.799	22.415	72.8
5,463 - 10,925	123	47.487	38.863	81.8
10,926 - 16,388	118	48.034	44.126	91.9
16,389 - 21,851	109	42.493	40.109	94.4
21,852 - 27,314	85	34.621	33.193	95.9
27,315 - 32,777	69	28.440	26.645	93.7
32,778 - 38,240	57	22.289	22.289	100.0
38,241 - 43,703	33	13.242	13.242	100.0
43,704 - 54,629	67	26.639	26.256	98.6
54,630 OR MORE	58	23.783	23.018	96.8
TOTAL	797	317.826	290.157	91.3

TABLE 1.29

MONTANA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL - INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	87	35.672	25.831	72.4
5,677 - 11,353	153	61.026	51.868	85.0
11,354 - 17,030	101	39.895	37.427	93.8
17,031 - 22,707	107	42.274	40.968	96.9
22,708 - 28,384	65	25.668	22.219	86.6
28,385 - 34,061	85	33.313	32.889	98.7
34,062 - 39,738	46	17.844	17.844	100.0
39,739 - 45,415	42	17.257	17.257	100.0
45,416 - 56,769	54	20.895	20.091	96.1
56,770 OR MORE	50	19.887	19.887	100.0
TOTAL	790	313.733	286.281	91.2

TABLE 1.30

NEBRASKA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	81	61.625	54.939	89.2
5,000 - 9,999	121	93.775	85.954	91.7
10,000 - 14,999	105	83.151	79.016	95.0
15,000 - 19,999	87	67.637	67.332	99.5
20,000 - 24,999	31	67.358	66.392	98.6
25,000 - 29,999	74	58.014	58.014	100.0
30,000 - 34,999	48	37.297	37.297	100.0
35,000 - 39,999	45	34.504	34.504	100.0
40,000 - 49,999	53	39.323	39.323	100.0
50,000 OR MORE	56	42.096	42.096	100.0
TOTAL	751	594.780	564.867	96.6

TABLE 1.30

NEBRASKA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	59	48.458	41.432	85.5
5,302 - 10,603	108	85.998	82.261	95.7
10,604 - 15,905	101	80.835	72.308	89.5
15,906 - 21,207	92	74.010	72.299	97.7
21,208 - 26,509	73	60.273	58.716	97.4
26,510 - 31,811	93	76.507	76.507	100.0
31,812 - 37,113	57	45.691	44.943	98.4
37,114 - 42,415	42	33.786	32.427	96.0
42,416 - 53,019	59	48.136	48.136	100.0
53,020 OR MORE	45	37.095	37.095	100.0
TOTAL	729	590.788	566.124	95.8

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	66	49.323	47.711	96.7
5,185 - 10,369	98	75.248	69.653	92.6
10,370 - 15,554	97	78.397	70.931	90.5
15,555 - 20,739	112	87.124	84.375	96.8
20,740 - 25,924	92	73.982	73.361	99.2
25,925 - 31,109	79	61.379	59.487	96.9
31,110 - 36,294	53	49.159	49.159	100.0
36,295 - 41,479	41	32.103	32.103	100.0
41,480 - 51,864	58	43.384	42.216	97.3
51,865 OR MORE	59	46.598	46.598	100.0
TOTAL	765	576.697	575.594	96.5

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	55	44.973	37.562	83.5
5,463 - 10,925	103	82.218	75.619	92.0
10,926 - 16,388	97	79.079	73.366	92.8
16,389 - 21,851	109	88.200	82.390	93.4
21,852 - 27,314	75	59.438	57.838	97.3
27,315 - 32,777	83	67.306	65.316	97.0
32,778 - 38,240	54	45.600	45.600	100.0
38,241 - 43,703	46	37.052	37.052	100.0
43,704 - 54,629	52	42.087	42.087	100.0
54,630 OR MORE	54	42.760	41.963	98.1
TOTAL	728	588.713	558.792	94.9

TABLE 1.30

NEBRASKA

CURRENT POPULATION SURVEY MARCH 1983

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	58	49.749	41.937	84.3
5,677 - 11,353	106	87.694	78.434	89.4
11,354 - 17,030	104	87.938	85.579	97.4
17,031 - 22,707	109	91.010	88.751	97.5
22,708 - 28,384	73	58.702	58.702	100.0
28,385 - 34,061	76	63.937	63.937	100.0
34,062 - 39,738	64	52.524	52.524	100.0
39,739 - 45,415	44	36.489	36.489	100.0
45,416 - 56,769	51	41.929	41.929	100.0
56,770 OR MORE	59	48.539	47.741	98.4
TOTAL	744	618.512	596.124	96.4

TABLE 1.31

NEVADA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	40	21.858	18.024	82.5
5,000 - 9,999	58	33.270	25.215	75.8
10,000 - 14,999	77	43.523	36.637	84.2
15,000 - 19,999	66	36.471	35.214	96.6
20,000 - 24,999	72	41.592	40.153	96.5
25,000 - 29,999	63	29.694	29.472	99.2
30,000 - 34,999	52	28.048	28.048	100.0
35,000 - 39,999	62	33.622	32.486	96.6
40,000 - 49,999	60	34.507	33.475	97.0
50,000 OR MORE	63	39.901	39.901	100.0
TOTAL	613	342.487	318.625	93.0

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,194 OR LESS	33	20.821	17.616	84.6
5,195 - 10,359	55	35.786	30.594	85.5
10,370 - 15,554	82	51.383	41.227	80.2
15,555 - 20,739	65	41.862	37.569	89.7
20,740 - 25,924	52	31.387	30.867	98.3
25,925 - 31,109	66	44.843	42.757	95.3
31,110 - 36,294	57	36.563	34.146	93.4
36,295 - 41,479	47	27.764	27.213	98.0
41,480 - 51,849	59	34.711	33.400	96.2
51,850 OR MORE	61	39.122	36.705	96.3
TOTAL	577	363.242	332.094	91.4

TABLE 1.31

NEVADA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	40	30.137	20.661	68.6
5,302 - 10,603	74	52.972	43.274	81.7
10,604 - 15,905	61	43.038	38.969	90.5
15,906 - 21,207	74	54.058	50.837	94.0
21,208 - 26,509	55	39.086	35.359	90.5
26,510 - 31,811	46	33.987	32.611	96.0
31,812 - 37,113	53	36.876	35.453	96.1
37,114 - 42,415	34	23.663	23.080	97.5
42,416 - 53,019	44	29.106	29.106	100.0
53,020 OR MORE	62	42.916	42.916	100.0
TOTAL	543	395.838	352.265	91.3

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	29	21.663	15.390	71.0
5,463 - 10,925	48	39.428	31.932	83.1
10,926 - 16,388	52	37.997	33.647	88.6
16,389 - 21,851	86	63.397	58.730	92.6
21,852 - 27,314	70	51.708	44.312	85.7
27,315 - 32,777	52	37.655	37.655	100.0
32,778 - 38,240	52	40.580	39.854	98.2
38,241 - 43,703	30	22.362	21.745	97.2
43,704 - 54,629	58	42.130	42.130	100.0
54,630 OR MORE	70	49.648	49.648	100.0
TOTAL	547	405.569	375.042	92.5

TABLE 1.31

NEVADA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	47	34.123	24.633	72.2
5,677 - 11,353	51	36.793	30.269	82.3
11,354 - 17,030	78	52.859	47.071	89.1
17,031 - 22,707	75	51.971	48.280	92.9
22,708 - 28,384	69	45.664	44.533	97.5
28,385 - 34,061	56	38.549	37.018	96.0
34,062 - 39,738	56	39.274	37.855	96.4
39,739 - 45,415	37	24.910	23.365	93.8
45,416 - 56,769	53	37.234	36.622	98.4
56,770 OR MORE	71	49.460	48.305	97.7
TOTAL	593	410.836	377.951	92.0

TABLE 1.32

NEW HAMPSHIRE

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	31	16.879	14.353	85.0
5,000 - 9,999	73	47.621	38.672	81.2
10,000 - 14,999	67	45.829	41.516	90.6
15,000 - 19,999	68	45.367	45.391	97.9
20,000 - 24,999	72	48.606	47.805	98.4
25,000 - 29,999	48	29.920	29.456	98.5
30,000 - 34,999	50	32.926	32.355	98.3
35,000 - 39,999	36	24.431	24.431	100.0
40,000 - 49,999	42	29.749	29.749	100.0
50,000 OR MORE	52	32.098	32.098	100.0
TOTAL	539	354.426	335.826	94.8

TABLE 1.32

NEW HAMPSHIRE

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	21	17.469	14.376	82.3
5,302 - 10,633	40	32.390	27.953	86.3
10,634 - 15,935	58	49.451	44.898	90.8
15,936 - 21,237	53	45.459	38.762	85.3
21,238 - 26,539	59	49.521	47.647	96.2
26,540 - 31,841	48	40.996	40.201	98.1
31,842 - 37,143	40	32.173	30.736	95.5
37,144 - 42,445	29	24.711	24.711	100.0
42,446 - 53,019	51	42.424	42.424	100.0
53,020 OR MORE	52	44.142	44.142	100.0
TOTAL	451	379.735	355.850	94.0

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	24	16.940	15.336	90.5
5,185 - 10,369	62	43.510	37.736	86.7
10,370 - 15,554	65	44.693	39.677	88.8
15,555 - 20,739	51	34.169	31.063	90.9
20,740 - 25,924	61	42.744	37.496	87.7
25,925 - 31,109	50	37.326	36.613	98.1
31,110 - 36,294	54	38.084	38.084	100.0
36,295 - 41,479	32	23.407	22.618	96.6
41,480 - 51,849	45	33.215	32.392	97.5
51,850 OR MORE	62	45.498	45.510	97.9
TOTAL	506	360.586	336.525	93.3

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	22	17.298	16.285	94.1
5,463 - 10,925	43	33.691	30.486	90.5
10,926 - 16,388	49	37.839	32.872	86.9
16,389 - 21,851	48	38.703	34.652	89.5
21,852 - 27,314	47	38.294	33.288	86.9
27,315 - 32,777	55	46.563	45.082	96.8
32,778 - 38,240	38	31.036	31.036	100.0
38,241 - 43,703	44	35.494	33.851	95.4
43,704 - 54,629	56	45.335	45.335	100.0
54,630 OR MORE	78	63.036	61.455	97.5
TOTAL	480	337.288	364.342	94.1

TABLE 1.32

NEW HAMPSHIRE

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	13	9.933	8.480	85.4
5,677 - 11,353	52	42.063	39.766	94.5
11,354 - 17,030	48	36.186	33.516	92.6
17,031 - 22,707	56	47.227	42.423	89.8
22,708 - 28,384	45	33.355	33.355	100.0
28,385 - 34,061	57	44.601	44.601	100.0
34,062 - 39,738	52	41.249	40.285	97.7
39,739 - 45,415	37	31.501	30.632	97.2
45,416 - 56,769	66	51.501	51.501	100.0
56,770 OR MORE	86	65.815	64.995	98.8
TOTAL	512	403.431	389.554	96.6

TABLE 1.33

NEW JERSEY

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	117	199,485	159,534	80.0
5,000 - 9,999	183	324,996	276,970	85.2
10,000 - 14,999	178	324,941	286,005	88.0
15,000 - 19,999	133	239,818	228,580	95.3
20,000 - 24,999	150	256,953	240,482	93.6
25,000 - 29,999	142	257,080	253,553	98.6
30,000 - 34,999	111	203,109	203,109	100.0
35,000 - 39,999	95	176,787	173,291	98.0
40,000 - 49,999	169	308,084	302,066	98.0
50,000 OR MORE	213	397,589	393,505	99.0
TOTAL	1491	2688,842	2517,094	93.6

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	128	195,534	143,020	77.1
5,185 - 10,369	225	328,184	290,019	88.4
10,370 - 15,554	191	266,362	249,412	93.6
15,555 - 20,739	172	236,739	226,390	95.6
20,740 - 25,924	172	246,446	239,960	97.4
25,925 - 31,109	163	235,271	225,173	95.7
31,110 - 36,294	163	220,394	220,394	100.0
36,295 - 41,479	139	192,619	192,619	100.0
41,480 - 51,849	232	325,525	323,541	99.4
51,850 OR MORE	331	467,222	464,116	99.3
TOTAL	1916	2704,296	2574,645	95.2

TABLE 1.33

NEW JERSEY

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	147	170,942	116,162	68.0
5,302 - 10,603	228	259,229	228,106	88.0
10,604 - 15,905	221	251,981	235,293	93.4
15,906 - 21,207	211	245,619	232,053	94.5
21,208 - 26,509	186	214,824	203,934	94.9
26,510 - 31,811	198	231,860	228,738	98.7
31,812 - 37,113	196	226,344	221,468	97.8
37,114 - 42,415	181	211,089	208,785	98.9
42,416 - 53,019	281	321,925	316,133	98.2
53,020 OR MORE	458	535,426	531,951	99.4
TOTAL	2307	2669,240	2522,624	94.5

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	156	181,159	134,530	74.3
5,463 - 10,925	253	299,487	257,597	86.0
10,926 - 16,389	195	235,352	218,050	92.6
16,389 - 21,851	203	250,502	236,928	94.6
21,852 - 27,314	198	242,834	221,412	91.2
27,315 - 32,777	186	216,679	212,430	98.0
32,778 - 38,240	161	197,483	192,452	97.5
38,241 - 43,703	188	226,328	224,118	99.0
43,704 - 54,629	246	299,146	296,566	99.1
54,630 OR MORE	494	603,785	600,290	99.4
TOTAL	2280	2752,756	2594,373	94.2

TABLE 1.33

NEW JERSEY

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	144	179.679	137.667	76.6
5,677 - 11,353	249	311.051	280.497	90.2
11,354 - 17,030	202	250.686	220.762	88.1
17,031 - 22,707	192	237.062	210.742	88.9
22,708 - 28,384	184	227.816	217.255	95.4
28,385 - 34,061	189	239.691	232.837	97.1
34,062 - 39,738	185	237.617	235.461	99.1
39,739 - 45,415	170	215.629	209.734	97.3
45,416 - 56,769	269	342.075	339.758	99.3
56,770 OR MORE	459	589.117	586.083	99.5
TOTAL	2243	2830.421	2670.798	94.4

TABLE 1.34

NEW MEXICO

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	112	65.139	35.486	54.5
5,000 - 9,999	138	72.439	49.536	68.4
10,000 - 14,999	120	67.668	54.931	81.0
15,000 - 19,999	99	53.248	43.975	82.6
20,000 - 24,999	75	43.651	39.579	90.7
25,000 - 29,999	89	45.780	40.773	89.1
30,000 - 34,999	56	32.041	32.041	100.0
35,000 - 39,999	46	26.762	25.648	95.8
40,000 - 49,999	58	31.371	31.371	100.0
50,000 OR MORE	71	40.683	39.935	98.2
TOTAL	863	478.781	393.175	82.1

TABLE 1.34

NEW MEXICO

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	91	56.173	34.517	61.4
5,302 - 10,603	111	66.690	48.768	73.1
10,604 - 15,905	127	92.137	66.756	81.3
15,906 - 21,207	94	59.405	50.914	85.7
21,208 - 26,509	73	44.941	39.256	87.4
26,510 - 31,811	75	46.245	42.731	92.4
31,812 - 37,113	57	35.399	34.646	97.9
37,114 - 42,415	45	29.647	29.187	98.4
42,416 - 53,017	53	35.517	34.095	96.0
53,020 OR MORE	79	53.294	53.294	100.0
TOTAL	805	509.448	434.165	85.2

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	95	51.528	34.474	66.9
5,185 - 10,359	137	76.444	51.728	67.7
10,370 - 15,554	113	60.527	46.455	76.8
15,555 - 20,739	101	53.120	45.381	85.4
20,740 - 25,924	90	53.127	47.617	89.6
25,925 - 31,109	72	39.579	36.511	92.2
31,110 - 36,294	50	27.157	25.682	94.6
36,295 - 41,479	51	29.001	28.383	97.9
41,480 - 51,849	52	34.291	33.209	96.8
51,850 OR MORE	88	57.941	57.321	98.9
TOTAL	859	482.714	406.761	84.3

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	92	57.610	39.110	67.9
5,463 - 10,925	116	71.073	55.539	78.1
10,926 - 16,388	122	79.847	69.580	87.1
16,389 - 21,851	124	79.509	69.489	87.4
21,852 - 27,314	84	55.049	51.720	94.0
27,315 - 32,777	70	47.881	47.881	100.0
32,778 - 38,240	53	35.006	31.828	90.9
38,241 - 43,703	41	24.470	24.470	100.0
43,704 - 54,629	52	31.751	31.273	98.5
54,630 OR MORE	60	39.408	39.408	100.0
TOTAL	814	521.603	460.297	88.2

TABLE 1.34

NEW MEXICO

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	99	65.158	40.909	62.8
5,677 - 11,353	102	71.248	52.720	74.0
11,354 - 17,030	137	94.989	78.248	82.4
17,031 - 22,707	111	78.673	69.928	88.9
22,708 - 28,384	80	56.392	51.149	90.7
28,385 - 34,061	78	55.111	53.152	96.4
34,062 - 39,738	47	31.056	29.366	94.6
39,739 - 45,415	41	27.161	25.766	94.9
45,416 - 56,769	43	27.824	27.824	100.0
56,770 OR MORE	66	47.253	45.822	97.0
TOTAL	804	554.865	474.884	85.6

TABLE 1.35

NEW YORK

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	446	729.038	528.150	72.4
5,000 - 9,999	598	994.852	822.910	82.7
10,000 - 14,999	398	721.561	650.428	90.1
15,000 - 19,999	402	714.984	670.034	93.7
20,000 - 24,999	368	653.323	630.137	96.5
25,000 - 29,999	295	551.381	539.747	97.9
30,000 - 34,999	273	497.345	485.884	97.7
35,000 - 39,999	220	413.206	406.299	98.3
40,000 - 49,999	276	505.248	497.913	98.5
50,000 OR MORE	400	730.303	719.155	98.5
TOTAL	3676	6511.245	5950.656	91.4

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	451	731.164	529.935	72.5
5,185 - 10,369	574	914.491	793.135	86.7
10,370 - 15,554	477	778.014	705.639	90.7
15,555 - 20,739	437	701.975	653.708	93.1
20,740 - 25,924	370	506.744	580.772	95.7
25,925 - 31,109	370	610.222	597.171	97.9
31,110 - 36,294	252	417.687	409.622	98.1
36,295 - 41,479	246	411.346	404.060	98.2
41,480 - 51,849	321	538.667	532.266	98.8
51,850 OR MORE	504	348.402	338.521	98.8
TOTAL	4002	6558.712	6044.831	92.2

TABLE 1.35

NEW YORK

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	444	680.069	523.215	76.9
5,302 - 10,603	584	872.774	744.353	85.3
10,604 - 15,905	475	748.149	682.249	91.2
15,906 - 21,207	475	747.653	704.329	94.2
21,208 - 26,509	387	620.290	598.962	96.6
26,510 - 31,811	339	542.483	523.176	97.4
31,812 - 37,113	308	497.093	487.780	98.1
37,114 - 42,415	234	376.827	370.023	98.2
42,416 - 53,019	372	605.244	593.957	98.1
53,020 OR MORE	584	754.869	941.111	98.6
TOTAL	4202	6645.451	6174.155	92.9

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	408	627.730	487.478	77.7
5,463 - 10,925	587	943.161	815.183	86.4
10,926 - 16,388	417	661.715	589.549	89.1
16,389 - 21,851	453	734.486	692.533	94.3
21,852 - 27,314	416	679.790	660.332	97.1
27,315 - 32,777	329	549.562	537.293	97.8
32,778 - 38,240	318	521.321	504.173	96.7
38,241 - 43,703	251	422.812	417.599	98.8
43,704 - 54,629	332	556.822	551.215	99.0
54,630 OR MORE	615	1030.798	1022.189	99.2
TOTAL	4126	6728.196	6277.547	93.3

TABLE 1.35

NEW YORK

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	403	663.686	515.355	77.7
5,677 - 11,353	541	866.590	736.503	85.0
11,354 - 17,030	448	734.255	655.993	89.3
17,031 - 22,707	431	706.628	663.370	93.9
22,708 - 28,384	382	640.586	623.767	97.4
28,385 - 34,061	332	552.392	526.215	95.3
34,062 - 39,738	274	456.473	446.320	97.8
39,739 - 45,415	269	448.609	436.684	97.3
45,416 - 56,769	346	587.970	584.648	99.4
56,770 OR MORE	643	1086.916	1077.937	99.2
TOTAL	4074	6744.104	6266.791	92.9

TABLE 1.36

NORTH CAROLINA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	108	207.282	148.903	71.8
5,000 - 9,999	147	299.523	223.727	74.7
10,000 - 14,999	165	326.326	264.635	81.1
15,000 - 19,999	129	255.754	241.980	94.6
20,000 - 24,999	134	257.271	254.639	95.3
25,000 - 29,999	103	205.128	200.595	97.8
30,000 - 34,999	90	191.279	178.660	98.6
35,000 - 39,999	64	130.105	128.003	98.4
40,000 - 49,999	76	153.222	150.603	98.3
50,000 OR MORE	55	111.961	110.342	98.6
TOTAL	1072	2137.950	1902.087	89.0

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	169	205.418	142.829	69.5
5,185 - 10,359	265	342.821	271.949	79.3
10,370 - 15,554	220	296.533	249.985	84.3
15,555 - 20,739	238	301.345	283.140	94.0
20,740 - 25,924	195	251.049	240.831	92.3
25,925 - 31,109	151	184.595	180.556	97.8
31,110 - 36,294	130	178.500	177.704	99.6
36,295 - 41,479	90	118.746	117.755	99.2
41,480 - 51,849	122	156.916	156.916	100.0
51,850 OR MORE	144	198.496	196.692	99.1
TOTAL	1724	2244.419	2018.358	89.9

TABLE 1.36

NORTH CAROLINA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	247	254.731	187.654	73.7
5,302 - 10,603	304	309.892	254.178	82.3
10,604 - 15,905	285	295.198	263.756	89.3
15,906 - 21,207	276	290.179	252.175	86.9
21,208 - 26,509	237	242.755	227.741	93.8
26,510 - 31,811	237	243.407	230.601	94.7
31,812 - 37,113	153	167.812	164.527	98.0
37,114 - 42,415	121	124.165	122.073	98.3
42,416 - 53,019	164	163.999	163.012	99.4
53,020 OR MORE	204	207.098	203.897	98.5
TOTAL	2238	2299.236	2069.613	90.1

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	260	273.876	201.278	73.5
5,463 - 10,925	316	324.963	263.095	81.0
10,926 - 16,388	298	307.505	267.065	86.8
16,389 - 21,851	290	306.798	273.780	89.2
21,852 - 27,314	272	284.463	264.337	92.9
27,315 - 32,777	206	214.261	205.079	95.7
32,778 - 38,240	196	199.809	195.275	97.7
38,241 - 43,703	118	129.610	127.454	98.3
43,704 - 54,629	163	175.128	175.128	100.0
54,630 OR MORE	196	204.013	200.551	98.3
TOTAL	2315	2420.427	2173.042	89.8

TABLE 1.36

NORTH CAROLINA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	236	257.111	199.063	77.4
5,677 - 11,353	338	359.845	282.642	78.5
11,354 - 17,030	321	335.647	287.737	85.7
17,031 - 22,707	279	294.481	270.917	92.0
22,708 - 28,384	210	223.242	210.515	94.3
28,385 - 34,061	195	205.209	197.927	96.5
34,062 - 39,738	186	198.564	191.183	96.3
39,739 - 45,415	141	147.343	146.245	99.3
45,416 - 56,769	176	183.702	182.686	99.4
56,770 OR MORE	216	226.480	225.367	99.5
TOTAL	2298	2431.624	2194.281	90.2

TABLE 1.37

NORTH DAKOTA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	96	30.697	24.581	80.1
5,000 - 9,999	91	30.079	27.170	90.3
10,000 - 14,999	83	23.493	26.264	92.2
15,000 - 19,999	102	34.430	33.531	97.4
20,000 - 24,999	34	27.838	26.594	95.5
25,000 - 29,999	73	23.694	22.724	95.9
30,000 - 34,999	58	21.127	20.675	97.9
35,000 - 39,999	44	15.029	15.029	100.0
40,000 - 49,999	50	16.924	16.560	97.8
50,000 OR MORE	58	19.159	19.159	100.0
TOTAL	739	247.470	232.287	93.9

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	85	26.165	21.339	81.6
5,185 - 10,359	111	33.432	29.622	88.6
10,370 - 15,554	116	38.112	35.680	93.6
15,555 - 20,739	90	27.589	26.664	96.6
20,740 - 25,924	89	23.886	23.886	100.0
25,925 - 31,109	82	27.153	26.547	97.8
31,110 - 36,294	51	15.073	15.073	100.0
36,295 - 41,479	49	14.530	14.530	100.0
41,480 - 51,664	59	18.282	18.282	100.0
51,665 OR MORE	51	15.607	15.607	100.0
TOTAL	783	244.827	232.229	94.9

TABLE 1.37

NORTH DAKOTA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	92	23.646	24.459	85.4
5,302 - 10,603	91	31.425	29.282	93.2
10,604 - 15,905	94	31.876	28.725	90.1
15,906 - 21,207	102	33.750	32.353	95.9
21,208 - 26,509	83	27.465	26.871	97.8
26,510 - 31,811	70	23.036	22.690	98.5
31,812 - 37,113	69	22.912	22.912	100.0
37,114 - 42,415	44	15.408	15.058	97.7
42,416 - 53,019	59	20.383	20.105	98.6
53,020 OR MORE	47	15.475	15.475	100.0
TOTAL	741	250.374	237.930	95.0

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	82	26.761	25.411	95.0
5,463 - 10,925	98	30.507	28.469	93.3
10,926 - 16,388	102	32.704	32.405	99.1
16,389 - 21,851	104	33.519	32.708	97.6
21,852 - 27,314	95	29.998	29.306	97.7
27,315 - 32,777	58	18.534	18.534	100.0
32,778 - 38,240	79	25.279	25.279	100.0
38,241 - 43,703	48	15.405	15.405	100.0
43,704 - 54,629	47	15.076	15.076	100.0
54,630 OR MORE	50	15.669	15.669	100.0
TOTAL	763	243.453	238.263	97.9

TABLE 1.37

NORTH DAKOTA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	69	20.567	18.480	89.9
5,677 - 11,353	126	38.066	35.688	93.8
11,354 - 17,030	113	34.347	32.353	94.2
17,031 - 22,707	99	30.976	29.535	95.3
22,708 - 28,384	90	27.202	27.202	100.0
28,385 - 34,061	88	26.162	26.162	100.0
34,062 - 39,738	62	18.455	18.455	100.0
39,739 - 45,415	52	16.664	16.664	100.0
45,416 - 56,769	58	17.513	17.513	100.0
56,770 OR MORE	53	16.857	16.857	100.0
TOTAL	810	246.809	238.909	96.3

TABLE 1.38

OHIO

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	205	384.936	289.711	75.3
5,000 - 9,999	257	465.260	398.625	85.7
10,000 - 14,999	268	488.030	450.133	92.2
15,000 - 19,999	263	479.982	452.232	94.2
20,000 - 24,999	250	458.230	441.195	96.3
25,000 - 29,999	235	429.266	419.957	97.8
30,000 - 34,999	202	371.479	367.417	98.9
35,000 - 39,999	106	191.668	186.558	97.3
40,000 - 49,999	185	331.939	327.650	98.7
50,000 OR MORE	188	337.251	337.251	100.0
TOTAL	2159	3938.041	3670.730	93.2

TABLE 1.38

OHIO

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	165	276.637	197.375	71.3
5,302 - 10,603	314	516.298	429.614	83.2
10,604 - 15,905	259	422.228	384.021	91.0
15,906 - 21,207	281	461.447	453.036	98.2
21,208 - 26,509	251	414.291	397.805	96.0
26,510 - 31,811	240	394.692	381.914	96.8
31,812 - 37,113	215	351.698	348.555	99.1
37,114 - 42,415	161	257.770	256.059	99.3
42,416 - 53,019	217	357.681	355.879	99.5
53,020 OR MORE	269	438.784	435.551	99.3
TOTAL	2372	3891.526	3639.809	93.5

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	188	326.249	206.265	63.2
5,185 - 10,359	313	528.844	455.563	86.1
10,370 - 15,554	257	443.798	391.799	88.3
15,555 - 20,739	289	500.293	467.143	93.4
20,740 - 25,924	258	439.881	423.941	96.4
25,925 - 31,109	245	416.971	405.426	97.2
31,110 - 36,294	189	320.788	307.590	95.9
36,295 - 41,479	168	284.308	278.844	98.1
41,480 - 51,849	182	305.682	304.070	99.5
51,850 OR MORE	222	359.545	366.314	99.1
TOTAL	2311	3936.360	3606.955	91.6

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	193	331.192	245.738	74.2
5,463 - 10,925	302	500.619	424.293	84.8
10,926 - 16,388	292	481.860	449.397	93.3
16,389 - 21,851	263	431.508	409.074	94.8
21,852 - 27,314	249	413.637	395.526	95.6
27,315 - 32,777	242	396.918	395.303	99.6
32,778 - 38,240	201	330.632	319.294	96.6
38,241 - 43,703	154	250.113	250.113	100.0
43,704 - 54,629	217	351.690	346.788	98.6
54,630 OR MORE	280	460.211	453.789	98.5
TOTAL	2393	3949.080	3689.315	93.4

TABLE 1.38

OHIO

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	202	347.907	281.293	80.9
5,677 - 11,353	330	545.390	461.756	84.7
11,354 - 17,030	298	483.365	442.218	91.5
17,031 - 22,707	261	431.693	414.120	95.9
22,708 - 28,384	268	433.566	422.031	97.3
28,385 - 34,061	239	392.097	386.509	98.6
34,062 - 39,738	208	337.648	331.298	98.1
39,739 - 45,415	163	262.671	261.017	99.4
45,416 - 56,769	216	346.228	344.431	99.5
56,770 OR MORE	277	451.132	449.499	99.6
TOTAL	2462	4031.696	3794.171	94.1

TABLE 1.39

OKLAHOMA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	107	160.675	122.804	76.4
5,000 - 9,999	121	163.548	142.778	87.3
10,000 - 14,999	127	181.777	160.648	88.4
15,000 - 19,999	118	137.318	174.568	93.2
20,000 - 24,999	94	135.857	125.899	92.7
25,000 - 29,999	65	101.839	99.298	97.5
30,000 - 34,999	69	104.652	97.424	93.1
35,000 - 39,999	44	72.638	69.855	96.2
40,000 - 49,999	52	86.616	86.616	100.0
50,000 OR MORE	82	107.222	105.324	98.2
TOTAL	889	1302.142	1185.213	91.0

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	95	119.414	86.744	72.6
5,185 - 10,369	104	155.630	126.289	81.1
10,370 - 15,554	106	163.757	137.483	84.0
15,555 - 20,739	198	159.068	147.954	93.0
20,740 - 25,924	86	126.872	120.003	94.6
25,925 - 31,109	65	96.095	88.396	92.0
31,110 - 36,294	57	86.448	84.488	97.7
36,295 - 41,479	49	70.017	70.017	100.0
41,480 - 51,664	67	98.535	96.684	98.1
51,665 OR MORE	88	137.232	137.232	100.0
TOTAL	815	1213.067	1095.291	90.3

TABLE 1.39

OKLAHOMA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	83	127.635	96.929	75.9
5,302 - 10,603	113	179.693	144.091	84.4
10,604 - 15,905	106	155.856	134.571	81.1
15,906 - 21,207	96	145.607	134.028	92.0
21,208 - 26,509	94	144.529	131.239	90.8
26,510 - 31,811	73	115.207	110.465	95.9
31,812 - 37,113	60	87.777	85.804	97.8
37,114 - 42,415	45	70.840	70.840	100.0
42,416 - 53,019	53	97.264	93.786	96.4
53,020 OR MORE	64	95.835	95.835	100.0
TOTAL	797	1221.243	1097.488	89.9

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	67	118.851	81.450	58.5
5,463 - 10,925	103	184.329	124.137	67.3
10,926 - 16,388	110	195.043	171.060	87.7
16,389 - 21,851	79	144.821	133.729	92.3
21,852 - 27,314	73	126.757	123.639	97.5
27,315 - 32,777	55	96.152	90.156	93.8
32,778 - 38,240	41	70.938	69.390	97.8
38,241 - 43,703	37	66.215	66.215	100.0
43,704 - 54,629	53	95.824	95.824	100.0
54,630 OR MORE	71	127.066	127.066	100.0
TOTAL	689	1225.998	1082.667	88.3

TABLE 1.39

OKLAHOMA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	83	144.539	96.679	66.9
5,677 - 11,353	104	169.353	136.371	80.5
11,354 - 17,030	97	169.173	142.535	84.3
17,031 - 22,707	81	142.129	130.792	92.0
22,708 - 28,384	69	121.935	119.522	98.0
28,385 - 34,061	64	107.694	107.694	100.0
34,062 - 39,738	55	93.657	92.116	98.4
39,739 - 45,415	35	60.278	60.278	100.0
45,416 - 56,769	42	73.740	73.740	100.0
56,770 OR MORE	69	118.062	118.062	100.0
TOTAL	699	1200.562	1077.739	89.8

TABLE 1.40

OREGON

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	73	98.607	63.738	64.6
5,000 - 9,999	108	134.114	114.136	85.1
10,000 - 14,999	88	98.719	91.193	92.4
15,000 - 19,999	109	133.679	127.611	95.5
20,000 - 24,999	93	119.497	109.233	91.4
25,000 - 29,999	91	107.384	106.248	98.9
30,000 - 34,999	64	76.531	76.531	100.0
35,000 - 39,999	47	62.344	62.344	100.0
40,000 - 49,999	57	75.028	75.028	100.0
50,000 OR MORE	61	82.630	77.665	94.0
TOTAL	791	998.533	903.726	91.4

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	56	84.174	53.349	63.4
5,185 - 10,369	81	119.422	96.392	80.7
10,370 - 15,554	106	151.555	136.114	89.8
15,555 - 20,739	90	144.631	130.017	89.9
20,740 - 25,924	74	113.166	106.711	94.3
25,925 - 31,109	61	90.226	85.286	94.5
31,110 - 36,294	55	77.970	77.970	100.0
36,295 - 41,479	40	56.381	56.381	100.0
41,480 - 51,849	64	90.613	84.639	93.4
51,850 OR MORE	59	87.696	82.844	94.5
TOTAL	685	1015.834	909.700	89.6

TABLE 1.40

OREGON

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	44	81.020	61.853	76.3
5,302 - 10,603	79	151.453	132.466	87.5
10,604 - 15,905	84	158.170	142.363	90.0
15,906 - 21,207	66	128.106	120.613	94.2
21,208 - 26,509	56	105.145	97.503	92.7
26,510 - 31,811	52	101.341	95.635	94.4
31,812 - 37,113	44	84.476	80.450	95.2
37,114 - 42,415	32	58.200	58.200	100.0
42,416 - 53,019	43	83.708	83.708	100.0
53,020 OR MORE	61	116.082	114.287	98.5
TOTAL	561	1067.702	987.080	92.4

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	51	95.219	56.025	58.8
5,463 - 10,925	75	132.594	109.147	82.3
10,926 - 16,388	76	134.614	123.362	91.6
16,389 - 21,851	57	103.921	96.268	92.6
21,852 - 27,314	70	123.385	119.935	97.2
27,315 - 32,777	72	131.173	128.234	97.8
32,778 - 38,240	48	82.962	81.073	97.7
38,241 - 43,703	37	68.276	68.276	100.0
43,704 - 54,629	45	80.952	80.952	100.0
54,630 OR MORE	54	97.659	97.659	100.0
TOTAL	585	1050.755	960.931	91.5

TABLE 1.40

OREGON

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	46	88.350	44.422	50.3
5,677 - 11,353	84	159.014	124.826	78.5
11,354 - 17,030	72	135.750	119.360	87.9
17,031 - 22,707	57	106.787	94.080	88.1
22,708 - 28,384	70	126.983	126.983	100.0
28,385 - 34,061	66	122.090	118.943	97.4
34,062 - 39,738	54	96.376	96.376	100.0
39,739 - 45,415	32	57.729	57.729	100.0
45,416 - 56,769	43	78.767	78.767	100.0
56,770 OR MORE	56	102.749	102.749	100.0
TOTAL	580	1074.596	964.235	89.7

TABLE 1.41

PENNSYLVANIA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	234	476.069	375.561	78.9
5,000 - 9,999	341	662.427	598.769	90.4
10,000 - 14,999	294	558.266	521.156	93.4
15,000 - 19,999	270	508.558	493.966	97.1
20,000 - 24,999	242	454.597	444.229	97.7
25,000 - 29,999	246	464.860	456.890	98.3
30,000 - 34,999	152	279.683	277.693	99.3
35,000 - 39,999	145	269.173	265.631	98.7
40,000 - 49,999	192	363.488	360.360	99.1
50,000 OR MORE	177	324.153	321.676	99.2
TOTAL	2293	4361.274	4115.931	94.4

TABLE 1.41

PENNSYLVANIA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	175	307.832	251.941	81.8
5,302 - 10,603	358	637.398	584.042	91.6
10,604 - 15,905	339	602.737	583.784	96.9
15,906 - 21,207	313	552.242	534.418	96.8
21,208 - 26,509	267	473.909	467.165	98.6
26,510 - 31,811	233	403.392	392.692	97.3
31,812 - 37,113	205	371.099	362.478	97.7
37,114 - 42,415	153	268.940	267.314	99.4
42,416 - 53,019	232	415.106	408.084	98.3
53,020 OR MORE	239	430.501	428.863	99.6
TOTAL	2513	4463.158	4290.781	95.9

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	227	446.596	340.398	76.2
5,185 - 10,369	375	658.533	600.727	91.2
10,370 - 15,554	347	625.193	590.629	94.5
15,555 - 20,739	309	534.074	510.930	95.7
20,740 - 25,924	247	431.604	415.667	96.3
25,925 - 31,109	228	413.220	408.148	98.8
31,110 - 36,294	169	303.953	302.904	99.7
36,295 - 41,479	152	271.172	269.419	99.4
41,480 - 51,849	211	377.116	377.116	100.0
51,850 OR MORE	199	361.769	358.474	99.1
TOTAL	2464	4423.230	4174.412	94.4

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	187	355.149	300.512	84.6
5,463 - 10,925	307	578.897	527.537	91.1
10,926 - 16,388	294	561.601	534.332	95.1
16,389 - 21,851	331	635.554	611.810	96.3
21,852 - 27,314	275	521.520	510.309	97.9
27,315 - 32,777	222	420.710	415.351	98.7
32,778 - 38,240	192	368.766	364.098	98.7
38,241 - 43,703	134	255.503	251.541	98.4
43,704 - 54,629	219	421.785	420.002	99.6
54,630 OR MORE	250	478.863	477.026	99.6
TOTAL	2411	4598.348	4412.519	96.0

TABLE 1.41

PENNSYLVANIA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	197	371.429	316.618	85.2
5,677 - 11,353	351	644.750	585.887	90.9
11,354 - 17,030	284	532.129	513.753	96.5
17,031 - 22,707	277	520.122	500.236	96.2
22,708 - 28,384	278	519.352	509.315	98.1
28,385 - 34,061	230	427.721	425.734	99.5
34,062 - 39,738	198	365.908	360.531	98.5
39,739 - 45,415	152	283.105	281.349	99.4
45,416 - 56,769	226	425.260	420.383	99.0
56,770 OR MORE	268	502.652	498.638	99.2
TOTAL	2461	4592.429	4412.943	96.1

TABLE 1.42

RHODE ISLAND

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	62	37.503	31.042	82.8
5,000 - 9,999	85	52.402	46.679	89.1
10,000 - 14,999	71	46.712	41.920	89.7
15,000 - 19,999	72	45.233	43.782	96.8
20,000 - 24,999	63	36.949	35.318	95.6
25,000 - 29,999	61	36.920	36.920	100.0
30,000 - 34,999	59	34.481	34.481	100.0
35,000 - 39,999	37	21.775	20.912	96.0
40,000 - 49,999	48	27.994	27.994	100.0
50,000 OR MORE	47	26.733	25.780	96.4
TOTAL	605	366.703	344.828	94.0

TABLE 1.42

RHODE ISLAND

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	48	31.973	26.941	84.3
5,302 - 10,603	67	45.652	41.218	90.3
10,604 - 15,905	56	39.313	37.419	95.2
15,906 - 21,207	53	37.886	33.540	88.5
21,208 - 26,509	61	41.856	40.470	96.7
26,510 - 31,811	48	34.043	32.485	95.4
31,812 - 37,113	38	26.902	26.902	100.0
37,114 - 42,415	44	31.467	31.467	100.0
42,416 - 53,019	44	31.217	31.217	100.0
53,020 OR MORE	55	39.369	39.369	100.0
TOTAL	514	359.678	341.026	94.8

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,134 OR LESS	56	36.467	25.317	69.4
5,135 - 10,369	85	55.266	48.711	88.1
10,370 - 15,554	67	43.137	40.627	94.2
15,555 - 20,739	62	38.990	38.505	98.8
20,740 - 25,924	75	47.427	45.284	95.5
25,925 - 31,139	52	32.919	32.427	98.5
31,140 - 36,294	44	27.733	27.733	100.0
36,295 - 41,479	38	23.222	23.222	100.0
41,480 - 51,849	47	29.753	28.470	95.7
51,850 OR MORE	51	33.039	33.039	100.0
TOTAL	577	367.953	343.336	93.3

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,442 OR LESS	44	31.602	27.139	85.9
5,443 - 10,925	57	40.670	38.758	95.3
10,926 - 16,338	53	39.013	34.380	88.1
16,339 - 21,851	57	40.854	36.888	90.3
21,852 - 27,314	57	41.880	40.552	96.8
27,315 - 32,777	48	35.248	34.508	97.9
32,778 - 38,240	43	31.516	31.516	100.0
38,241 - 43,703	42	29.152	29.152	100.0
43,704 - 54,629	56	40.661	40.661	100.0
54,630 OR MORE	61	43.444	43.444	100.0
TOTAL	513	374.039	356.997	95.4

TABLE 1.42

RHODE ISLAND

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	35	26.649	23.464	88.1
5,677 - 11,353	63	46.359	43.656	94.2
11,354 - 17,030	62	45.826	43.437	94.8
17,031 - 22,707	58	44.321	41.686	94.1
22,708 - 28,384	45	32.982	31.609	95.8
28,385 - 34,061	48	36.169	34.084	94.2
34,062 - 39,738	40	29.712	28.957	97.5
39,739 - 45,415	43	31.540	31.540	100.0
45,416 - 56,769	59	44.252	44.252	100.0
56,770 OR MORE	63	47.136	47.136	100.0
TOTAL	516	384.946	369.820	96.1

TABLE 1.43

SOUTH CAROLINA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	78	153.384	98.492	64.2
5,000 - 9,999	100	182.302	123.514	67.8
10,000 - 14,999	102	179.526	149.563	83.3
15,000 - 19,999	76	138.924	131.164	94.4
20,000 - 24,999	57	133.721	128.763	96.3
25,000 - 29,999	65	117.121	112.231	95.8
30,000 - 34,999	34	69.573	64.832	93.2
35,000 - 39,999	34	55.648	52.210	93.8
40,000 - 49,999	31	53.242	52.201	98.0
50,000 OR MORE	35	63.620	63.620	100.0
TOTAL	622	1147.061	976.590	85.1

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	73	137.545	95.769	69.6
5,185 - 10,369	78	148.961	113.268	76.0
10,370 - 15,554	86	160.455	127.892	79.7
15,555 - 20,739	73	136.863	117.889	86.1
20,740 - 25,924	65	122.353	118.460	96.8
25,925 - 31,109	55	97.398	97.398	100.0
31,110 - 36,294	43	81.199	78.593	96.8
36,295 - 41,479	38	73.600	73.600	100.0
41,480 - 51,849	49	89.075	82.795	93.0
51,850 OR MORE	55	108.830	106.611	98.0
TOTAL	615	1156.279	1012.276	87.5

TABLE 1.43

SOUTH CAROLINA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	87	169.487	127.642	75.3
5,302 - 10,603	96	180.182	141.968	78.8
10,604 - 15,905	80	135.988	118.219	86.9
15,906 - 21,207	88	149.572	128.150	85.7
21,208 - 26,509	57	97.124	86.946	89.5
26,510 - 31,811	58	95.409	95.409	100.0
31,812 - 37,113	43	71.069	71.069	100.0
37,114 - 42,415	35	61.161	61.161	100.0
42,416 - 53,019	63	105.246	103.205	98.1
53,020 OR MORE	72	123.423	123.423	100.0
TOTAL	679	1188.660	1057.191	88.9

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	91	147.755	96.231	65.1
5,463 - 10,925	95	154.963	132.224	85.3
10,926 - 16,388	87	137.429	114.239	83.1
16,389 - 21,851	85	140.869	127.520	90.5
21,852 - 27,314	72	116.099	109.628	94.4
27,315 - 32,777	72	112.285	109.001	97.1
32,778 - 38,240	41	64.425	62.260	96.6
38,241 - 43,703	49	79.631	78.309	98.3
43,704 - 54,629	58	88.771	86.833	97.8
54,630 OR MORE	80	121.977	120.506	98.8
TOTAL	730	1164.205	1036.752	89.1

TABLE 1.43

SOUTH CAROLINA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	66	110.776	74.207	67.0
5,677 - 11,353	98	157.974	132.525	83.9
11,354 - 17,030	96	155.067	119.091	76.8
17,031 - 22,707	83	136.043	124.162	91.3
22,708 - 28,384	79	129.760	115.923	89.3
28,385 - 34,061	66	104.813	96.863	92.4
34,062 - 39,738	56	88.233	86.274	97.8
39,739 - 45,415	58	89.545	89.545	100.0
45,416 - 56,769	55	85.083	83.066	97.6
56,770 OR MORE	78	120.729	119.114	98.7
TOTAL	735	1178.024	1040.776	88.3

TABLE 1.44

SOUTH DAKOTA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	93	26.394	20.436	77.4
5,000 - 9,999	160	44.392	39.451	88.9
10,000 - 14,999	132	40.050	37.163	92.8
15,000 - 19,999	117	32.663	30.101	92.2
20,000 - 24,999	109	32.714	32.069	98.0
25,000 - 29,999	76	22.494	22.263	99.0
30,000 - 34,999	48	13.370	13.072	97.8
35,000 - 39,999	37	10.634	10.634	100.0
40,000 - 49,999	47	14.660	14.660	100.0
50,000 OR MORE	52	14.171	14.171	100.0
TOTAL	871	251.542	234.020	93.0

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	87	25.660	20.345	79.3
5,185 - 10,359	145	44.828	40.027	89.3
10,370 - 15,554	109	32.300	28.226	87.4
15,555 - 20,739	109	34.047	31.206	91.7
20,740 - 25,924	99	30.304	29.591	97.6
25,925 - 31,109	91	26.867	26.347	98.1
31,110 - 36,274	54	15.855	15.523	97.9
36,275 - 41,479	50	16.005	15.669	97.9
41,480 - 51,859	44	13.633	13.633	100.0
51,850 OR MORE	52	14.073	13.796	98.0
TOTAL	840	253.571	234.365	92.4

TABLE 1.44

SOUTH DAKOTA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	94	29.162	23.231	79.7
5,302 - 10,603	131	39.446	34.702	88.0
10,604 - 15,905	132	40.468	36.603	90.4
15,906 - 21,207	128	39.218	38.201	97.4
21,208 - 26,509	80	24.489	24.489	100.0
26,510 - 31,811	89	26.720	26.386	98.8
31,812 - 37,113	46	14.304	13.961	97.6
37,114 - 42,415	44	13.686	13.686	100.0
42,416 - 53,019	53	16.399	16.081	98.1
53,020 OR MORE	43	13.498	13.203	97.8
TOTAL	840	257.390	240.542	93.5

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	96	29.380	21.652	73.7
5,463 - 10,925	136	39.841	35.137	88.2
10,926 - 16,388	117	35.087	33.347	95.0
16,389 - 21,851	138	40.895	38.688	94.6
21,852 - 27,314	93	26.506	25.130	94.8
27,315 - 32,777	89	26.094	25.290	96.9
32,778 - 38,240	57	16.279	16.027	98.5
38,241 - 43,703	47	14.781	14.781	100.0
43,704 - 54,629	44	13.221	12.745	96.4
54,630 OR MORE	47	14.035	13.728	97.8
TOTAL	864	256.119	236.525	92.3

TABLE 1.44

SOUTH DAKOTA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	85	26.767	20.800	77.7
5,677 - 11,353	144	43.627	36.146	82.9
11,354 - 17,030	126	39.945	36.057	90.3
17,031 - 22,707	115	36.135	34.006	94.1
22,708 - 28,384	78	23.454	23.111	98.5
28,385 - 34,061	93	29.121	28.512	97.9
34,062 - 39,738	57	16.935	16.480	97.3
39,739 - 45,415	46	13.816	13.816	100.0
45,416 - 56,769	66	19.561	19.561	100.0
56,770 OR MORE	52	15.048	15.048	100.0
TOTAL	862	264.409	243.538	92.1

TABLE 1.45

TENNESSEE

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	118	240.181	159.473	66.4
5,000 - 9,999	138	278.671	209.581	75.2
10,000 - 14,999	137	277.704	247.767	89.2
15,000 - 19,999	92	196.092	170.791	87.1
20,000 - 24,999	89	176.584	167.739	95.0
25,000 - 29,999	65	133.045	124.716	93.7
30,000 - 34,999	58	121.533	121.533	100.0
35,000 - 39,999	38	74.003	74.003	100.0
40,000 - 49,999	49	102.627	102.627	100.0
50,000 OR MORE	58	116.156	116.156	100.0
TOTAL	842	1716.596	1494.385	87.1

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	108	236.500	172.671	73.0
5,185 - 10,369	141	308.172	235.733	76.5
10,370 - 15,554	126	292.332	253.098	89.6
15,555 - 20,739	88	201.362	188.181	93.5
20,740 - 25,924	73	163.990	143.038	87.2
25,925 - 31,109	63	155.444	148.178	95.3
31,110 - 36,294	49	104.857	102.629	97.9
36,295 - 41,479	45	97.042	94.310	97.2
41,480 - 51,849	53	115.179	112.241	97.4
51,850 OR MORE	58	127.777	127.777	100.0
TOTAL	809	1792.655	1577.857	88.0

TABLE 1.45

TENNESSEE

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	88	231.281	158.656	68.6
5,302 - 10,603	106	276.352	244.270	88.4
10,604 - 15,905	96	249.241	201.887	81.0
15,906 - 21,207	105	275.010	266.941	97.1
21,208 - 26,509	67	177.123	163.309	92.2
26,510 - 31,811	56	147.177	141.824	96.4
31,812 - 37,113	47	124.474	124.474	100.0
37,114 - 42,415	25	67.365	67.365	100.0
42,416 - 53,019	30	80.763	80.763	100.0
53,020 OR MORE	48	123.992	123.992	100.0
TOTAL	668	1752.778	1573.482	89.8

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	92	241.975	185.432	76.6
5,463 - 10,925	120	307.297	255.944	83.3
10,926 - 16,388	105	269.724	232.328	86.1
16,389 - 21,851	93	217.270	203.709	93.8
21,852 - 27,314	64	166.269	156.532	94.1
27,315 - 32,777	70	182.018	175.868	96.6
32,778 - 38,240	38	96.006	93.376	97.3
38,241 - 43,703	35	87.775	83.002	94.6
43,704 - 54,629	47	121.841	118.808	97.5
54,630 OR MORE	40	101.277	98.477	97.2
TOTAL	694	1791.451	1603.476	89.5

TABLE 1.45

TENNESSEE

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	97	265.531	205.168	77.3
5,677 - 11,353	113	297.280	254.207	85.5
11,354 - 17,030	94	250.049	235.940	94.4
17,031 - 22,707	81	220.901	200.628	90.8
22,708 - 28,384	68	184.621	184.621	100.0
28,385 - 34,061	65	173.219	163.686	94.5
34,062 - 39,738	49	124.213	116.708	94.0
39,739 - 45,415	34	90.772	90.772	100.0
45,416 - 56,769	45	118.376	118.376	100.0
56,770 OR MORE	57	150.153	150.153	100.0
TOTAL	703	1375.115	1720.259	91.7

TABLE 1.46

TEXAS

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	303	491.977	342.142	69.5
5,000 - 9,999	395	668.143	516.815	77.4
10,000 - 14,999	392	667.178	533.514	80.0
15,000 - 19,999	375	693.962	618.013	89.1
20,000 - 24,999	340	592.125	528.810	89.3
25,000 - 29,999	262	461.761	437.619	94.8
30,000 - 34,999	216	390.162	376.437	96.5
35,000 - 39,999	194	342.168	333.917	97.6
40,000 - 49,999	253	479.132	473.154	98.8
50,000 OR MORE	352	725.073	713.139	98.4
TOTAL	3102	5511.682	4873.560	88.4

TABLE 1.46

TEXAS

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	286	514.957	327.027	63.5
5,302 - 10,603	401	718.262	570.250	79.4
10,604 - 15,905	393	739.633	631.581	85.4
15,906 - 21,207	357	674.899	594.181	88.5
21,208 - 26,509	296	572.043	509.865	89.1
26,510 - 31,811	256	509.534	476.612	93.5
31,812 - 37,113	233	448.243	434.720	97.8
37,114 - 42,415	171	326.975	317.110	97.0
42,416 - 53,019	247	509.917	506.730	99.4
53,020 OR MORE	368	762.226	756.696	99.3
TOTAL	3008	5916.689	5124.773	88.1

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	280	455.158	311.450	68.4
5,185 - 10,359	423	712.049	550.425	77.3
10,370 - 15,554	410	693.415	558.893	80.6
15,555 - 20,739	375	656.399	581.998	88.7
20,740 - 25,924	346	609.401	540.681	88.7
25,925 - 31,109	291	576.690	464.534	91.7
31,110 - 36,294	224	408.506	400.181	98.0
36,295 - 41,479	166	307.720	293.658	95.4
41,480 - 51,849	254	473.195	466.954	98.7
51,850 OR MORE	352	739.958	732.777	99.0
TOTAL	3121	5562.490	4901.551	88.1

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	335	584.948	422.588	72.2
5,463 - 10,925	379	709.621	580.465	81.8
10,926 - 16,388	405	793.339	679.792	85.7
16,389 - 21,851	329	638.280	552.025	86.5
21,852 - 27,314	305	599.584	570.063	95.1
27,315 - 32,777	245	495.255	468.830	96.6
32,778 - 38,240	194	406.246	390.625	96.2
38,241 - 43,703	185	406.281	391.292	96.3
43,704 - 54,629	257	541.821	532.973	98.4
54,630 OR MORE	340	776.279	771.297	99.4
TOTAL	2974	5941.654	5359.949	90.2

TABLE 1.46

TEXAS

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	328	589.606	387.396	65.7
5,677 - 11,353	419	767.182	582.287	75.9
11,354 - 17,030	376	697.510	573.284	82.2
17,031 - 22,707	345	665.086	583.701	87.8
22,708 - 28,384	236	562.732	532.580	94.6
28,385 - 34,061	231	465.073	433.903	93.3
34,062 - 39,738	244	503.708	486.374	96.6
39,739 - 45,415	209	415.963	406.726	97.8
45,416 - 56,769	236	487.353	479.661	98.4
56,770 OR MORE	332	737.807	727.958	98.7
TOTAL	3006	5892.021	5193.869	88.2

TABLE 1.47

UTAH

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	63	37.910	27.507	72.6
5,000 - 9,999	102	63.050	54.800	86.9
10,000 - 14,999	117	71.275	61.131	85.8
15,000 - 19,999	104	64.289	58.670	91.3
20,000 - 24,999	112	47.592	66.199	97.9
25,000 - 29,999	96	55.541	53.210	95.8
30,000 - 34,999	64	37.975	37.975	100.0
35,000 - 39,999	45	27.040	27.040	100.0
40,000 - 49,999	62	36.325	36.325	100.0
50,000 OR MORE	69	38.841	38.841	100.0
TOTAL	834	499.237	461.698	92.4

TABLE 1.47

UTAH

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	46	41.968	30.843	73.5
5,302 - 10,603	38	33.379	28.130	84.3
10,604 - 15,905	61	56.943	53.536	94.0
15,906 - 21,207	93	97.651	78.344	89.4
21,208 - 26,509	56	59.670	58.776	98.5
26,510 - 31,811	65	58.911	57.848	98.2
31,812 - 37,113	39	36.178	36.178	100.0
37,114 - 42,415	39	35.847	35.847	100.0
42,416 - 53,019	62	55.897	55.897	100.0
53,020 OR MORE	57	52.380	52.380	100.0
TOTAL	566	518.824	487.779	94.0

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	45	35.018	29.201	83.4
5,185 - 10,369	74	55.486	50.313	90.7
10,370 - 15,554	76	58.739	56.879	96.8
15,555 - 20,739	89	66.988	63.683	95.1
20,740 - 25,924	100	81.137	78.329	96.5
25,925 - 31,109	55	41.436	40.418	97.5
31,110 - 36,294	52	42.035	41.068	97.7
36,295 - 41,479	45	33.686	32.995	98.0
41,480 - 51,664	69	52.094	50.288	96.5
51,665 OR MORE	63	50.517	50.517	100.0
TOTAL	658	517.137	493.692	95.5

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	42	38.079	25.001	65.7
5,463 - 10,925	51	42.796	34.026	79.5
10,926 - 16,388	90	79.684	69.774	87.6
16,389 - 21,851	60	53.929	52.977	98.2
21,852 - 27,314	77	63.470	61.540	97.0
27,315 - 32,777	73	64.056	63.176	98.6
32,778 - 38,240	53	44.221	43.200	97.7
38,241 - 43,703	40	34.076	33.339	97.8
43,704 - 54,629	60	52.908	52.708	100.0
54,630 OR MORE	53	55.012	55.012	100.0
TOTAL	609	528.231	490.953	92.9

TABLE 1.47

UTAH

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	33	30.212	21.400	70.8
5,677 - 11,353	59	50.572	43.985	87.0
11,354 - 17,030	94	80.389	70.238	87.4
17,031 - 22,707	79	67.760	64.896	95.8
22,708 - 28,384	62	52.572	51.017	97.0
28,385 - 34,061	66	55.363	51.118	92.3
34,062 - 39,738	53	46.392	42.610	91.8
39,739 - 45,415	45	38.947	37.847	97.2
45,416 - 56,769	59	48.839	48.839	100.0
56,770 OR MORE	64	54.924	54.924	100.0
TOTAL	614	525.969	486.873	92.6

TABLE 1.48

VERMONT

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	51	16.210	11.404	70.4
5,000 - 9,999	31	25.959	20.331	78.3
10,000 - 14,999	89	29.885	27.697	92.7
15,000 - 19,999	86	30.171	28.343	93.9
20,000 - 24,999	65	21.998	21.628	98.3
25,000 - 29,999	49	15.985	14.964	93.6
30,000 - 34,999	43	13.683	13.683	100.0
35,000 - 39,999	46	15.538	14.849	95.6
40,000 - 49,999	47	14.432	14.432	100.0
50,000 OR MORE	31	10.490	10.490	100.0
TOTAL	588	194.351	177.821	91.5

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	45	16.105	12.850	79.8
5,185 - 10,359	61	21.828	16.440	75.3
10,370 - 15,554	77	27.536	24.401	88.6
15,555 - 20,739	63	24.155	22.271	92.2
20,740 - 25,924	58	21.198	20.012	94.4
25,925 - 31,109	51	18.461	18.072	97.9
31,110 - 36,294	48	17.885	16.715	93.5
36,295 - 41,479	37	13.684	12.958	94.7
41,480 - 51,664	38	15.083	14.661	97.2
51,665 OR MORE	42	16.469	16.080	97.6
TOTAL	520	192.404	174.461	90.7

TABLE 1.48

VERMONT

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	24	9.456	7.686	81.3
5,302 - 10,603	57	22.949	19.358	84.4
10,604 - 15,905	56	22.766	19.861	87.2
15,906 - 21,207	55	21.722	20.149	92.8
21,208 - 26,509	61	24.040	23.073	96.0
26,510 - 31,811	45	18.497	18.497	100.0
31,812 - 37,113	38	16.269	16.269	100.0
37,114 - 42,415	41	15.826	15.826	100.0
42,416 - 53,019	53	22.283	22.283	100.0
53,020 OR MORE	59	23.532	22.781	96.8
TOTAL	489	197.341	185.784	94.1

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	30	12.294	11.289	91.8
5,463 - 10,925	71	29.072	26.253	90.3
10,926 - 16,388	66	25.703	23.878	92.9
16,389 - 21,851	65	24.949	24.949	100.0
21,852 - 27,314	60	22.820	21.623	94.8
27,315 - 32,777	52	20.953	20.071	95.8
32,778 - 38,240	49	18.501	18.163	98.2
38,241 - 43,703	33	13.297	13.297	100.0
43,704 - 54,629	41	15.632	15.632	100.0
54,630 OR MORE	58	24.202	23.788	98.3
TOTAL	525	207.424	198.945	95.9

TABLE 1.48

VERMONT

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	33	14.500	12.378	88.8
5,677 - 11,353	69	28.049	23.788	84.8
11,354 - 17,030	64	26.081	24.849	95.3
17,031 - 22,707	63	24.995	24.286	97.2
22,708 - 28,384	62	24.940	24.047	96.4
28,385 - 34,061	51	19.806	19.806	100.0
34,062 - 39,738	37	15.519	15.519	100.0
39,739 - 45,415	41	16.275	16.275	100.0
45,416 - 56,769	44	17.558	17.558	100.0
56,770 OR MORE	61	24.340	24.340	100.0
TOTAL	525	212.062	203.345	95.9

TABLE 1.49

VIRGINIA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	60	108.425	83.709	77.2
5,000 - 9,999	107	201.974	165.742	82.1
10,000 - 14,999	112	207.793	185.007	89.0
15,000 - 19,999	125	227.319	207.484	91.3
20,000 - 24,999	117	221.141	209.541	94.8
25,000 - 29,999	98	185.786	179.850	96.8
30,000 - 34,999	100	190.763	176.602	97.7
35,000 - 39,999	63	122.762	121.535	99.0
40,000 - 49,999	128	225.555	220.388	97.7
50,000 OR MORE	139	241.930	241.930	100.0
TOTAL	1049	1923.447	1791.789	93.2

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,134 OR LESS	61	125.645	96.776	77.0
5,185 - 10,359	93	193.776	166.828	86.1
10,370 - 15,554	111	236.575	199.872	84.5
15,555 - 20,739	103	237.307	211.911	89.3
20,740 - 25,924	95	205.802	196.799	95.6
25,925 - 31,109	95	214.145	210.317	98.2
31,110 - 36,294	72	171.018	169.009	98.8
36,295 - 41,479	65	136.867	133.849	97.8
41,480 - 51,849	93	206.212	204.983	99.4
51,850 OR MORE	147	323.538	315.952	97.7
TOTAL	935	2050.885	1906.295	92.9

TABLE 1.49

VIRGINIA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	59	155.223	101.255	65.2
5,302 - 10,603	75	196.133	161.117	82.1
10,604 - 15,905	82	225.518	193.037	85.6
15,906 - 21,207	81	219.236	208.271	95.0
21,208 - 26,509	75	199.571	178.699	90.0
26,510 - 31,811	68	181.367	179.969	99.2
31,812 - 37,113	76	204.187	204.187	100.0
37,114 - 42,415	56	150.469	147.471	98.0
42,416 - 53,019	71	195.722	192.425	98.3
53,020 OR MORE	131	350.345	347.728	99.3
TOTAL	774	2075.772	1914.159	92.2

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION ESTIMATES (000) HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	55	134.159	81.061	60.4
5,463 - 10,925	67	170.712	141.940	83.1
10,926 - 16,388	92	233.705	205.867	88.1
16,389 - 21,851	75	193.153	182.672	94.6
21,852 - 27,314	86	221.963	216.856	97.7
27,315 - 32,777	79	201.533	190.612	94.6
32,778 - 38,240	63	155.210	153.866	99.1
38,241 - 43,703	60	153.644	150.899	98.2
43,704 - 54,629	89	224.578	222.299	99.0
54,630 OR MORE	150	390.690	377.586	99.2
TOTAL	816	2069.347	1923.657	93.0

TABLE 1.49

VIRGINIA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	61	157.014	110.997	70.7
5,677 - 11,353	76	194.118	171.970	88.6
11,354 - 17,030	82	204.677	189.855	92.8
17,031 - 22,707	88	232.966	222.623	95.6
22,708 - 28,384	79	199.077	191.564	96.2
28,385 - 34,061	73	190.207	182.685	96.0
34,062 - 39,738	69	178.953	178.953	100.0
39,739 - 45,415	46	116.632	111.515	95.6
45,416 - 56,769	91	228.072	228.072	100.0
56,770 OR MORE	178	451.418	451.418	100.0
TOTAL	843	2153.133	2039.651	94.7

TABLE 1.50

WASHINGTON

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	54	100,520	81,583	81.2
5,000 - 9,999	106	181,927	152,106	83.6
10,000 - 14,999	113	202,781	181,390	89.5
15,000 - 19,999	116	208,865	193,628	92.7
20,000 - 24,999	105	183,631	174,821	95.2
25,000 - 29,999	105	184,651	180,422	97.7
30,000 - 34,999	81	144,722	138,941	96.0
35,000 - 39,999	55	99,614	96,089	96.5
40,000 - 49,999	84	145,793	142,744	97.9
50,000 OR MORE	86	152,268	150,444	98.8
TOTAL	905	1606,778	1492,167	92.9

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	45	97,623	74,757	76.6
5,185 - 10,369	81	172,950	149,637	86.5
10,370 - 15,554	91	197,393	171,876	87.1
15,555 - 20,739	91	201,339	184,981	91.9
20,740 - 25,924	94	203,589	195,277	95.9
25,925 - 31,109	77	168,974	162,766	96.3
31,110 - 36,294	59	147,735	144,206	97.6
36,295 - 41,479	48	109,691	109,691	100.0
41,480 - 51,849	78	161,988	156,893	96.9
51,850 OR MORE	89	176,250	193,141	98.4
TOTAL	763	1657,532	1543,226	93.1

TABLE 1.50

WASHINGTON

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	42	119,140	88,583	74.4
5,302 - 10,603	72	201,147	168,427	83.7
10,604 - 15,905	70	193,586	182,596	94.3
15,906 - 21,207	86	229,220	208,513	91.0
21,208 - 26,509	79	212,506	191,091	89.9
26,510 - 31,811	50	132,368	130,808	98.8
31,812 - 37,113	68	182,298	182,298	100.0
37,114 - 42,415	27	75,665	67,173	88.8
42,416 - 53,019	77	210,464	201,665	95.3
53,020 OR MORE	66	174,909	173,387	99.1
TOTAL	637	1731,304	1594,541	92.1

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	48	127,802	101,282	79.2
5,463 - 10,925	75	200,710	165,591	82.5
10,926 - 16,388	74	191,894	176,977	92.2
16,389 - 21,851	64	166,864	158,293	94.9
21,852 - 27,314	53	165,500	151,709	91.7
27,315 - 32,777	70	182,235	177,391	97.3
32,778 - 38,240	56	174,505	174,505	100.0
38,241 - 43,703	34	95,370	93,072	97.3
43,704 - 54,629	61	163,393	159,921	97.9
54,630 OR MORE	92	236,321	233,692	98.9
TOTAL	547	1694,594	1582,432	93.4

TABLE 1.50

WASHINGTON

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	42	117.911	93.687	79.5
5,677 - 11,353	86	233.424	203.649	87.2
11,354 - 17,030	83	213.626	184.987	86.6
17,031 - 22,707	68	182.811	165.316	90.4
22,708 - 28,384	77	204.050	198.691	97.4
28,385 - 34,061	52	138.164	131.027	94.8
34,062 - 39,738	54	145.739	145.739	100.0
39,739 - 45,415	50	135.719	132.425	97.6
45,416 - 56,769	66	176.076	176.076	100.0
56,770 OR MORE	82	225.483	225.483	100.0
TOTAL	660	1773.003	1657.080	93.5

TABLE 1.51

WEST VIRGINIA

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	88	94.537	62.651	66.3
5,000 - 9,999	128	129.049	106.642	82.6
10,000 - 14,999	113	119.558	105.682	88.4
15,000 - 19,999	92	96.596	86.313	89.4
20,000 - 24,999	65	69.449	59.982	86.4
25,000 - 29,999	61	62.807	60.680	96.6
30,000 - 34,999	40	39.690	39.690	100.0
35,000 - 39,999	34	32.957	32.129	97.5
40,000 - 49,999	40	40.663	40.663	100.0
50,000 OR MORE	28	28.022	28.022	100.0
TOTAL	689	713.329	622.454	87.3

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,134 OR LESS	89	95.405	62.302	65.3
5,185 - 10,369	114	113.632	93.221	82.0
10,370 - 15,554	116	120.111	107.141	89.2
15,555 - 20,739	85	88.972	82.964	93.2
20,740 - 25,924	80	93.112	78.370	94.3
25,925 - 31,109	52	53.339	49.639	93.1
31,110 - 36,294	42	43.783	43.783	100.0
36,295 - 41,479	36	38.137	36.184	94.9
41,480 - 51,849	39	39.666	37.520	94.6
51,850 OR MORE	36	35.099	35.099	100.0
TOTAL	689	711.256	626.224	88.0

TABLE 1.51

WEST VIRGINIA

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	91	95.416	69.469	72.8
5,302 - 10,603	144	147.334	124.496	84.5
10,604 - 15,905	119	124.606	114.027	91.5
15,906 - 21,207	96	99.881	96.984	97.1
21,208 - 26,509	68	70.930	67.844	95.6
26,510 - 31,811	43	45.493	45.493	100.0
31,812 - 37,113	47	48.259	46.068	95.5
37,114 - 42,415	29	30.060	30.060	100.0
42,416 - 53,019	38	38.841	38.841	100.0
53,020 OR MORE	31	32.420	31.506	97.2
TOTAL	706	733.240	664.783	90.7

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	109	116.254	78.692	67.7
5,463 - 10,925	134	138.078	117.294	84.9
10,926 - 16,388	111	113.690	101.651	89.4
16,389 - 21,851	80	86.403	82.258	95.2
21,852 - 27,314	74	75.174	72.204	96.0
27,315 - 32,777	55	59.137	55.928	94.6
32,778 - 38,240	43	43.565	41.384	95.0
38,241 - 43,703	33	33.686	33.686	100.0
43,704 - 54,629	27	27.749	27.749	100.0
54,630 OR MORE	40	41.506	41.506	100.0
TOTAL	706	733.242	652.352	88.7

TABLE 1.51

WEST VIRGINIA

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	105	111.610	75.754	67.9
5,677 - 11,353	133	144.053	118.160	82.0
11,354 - 17,030	106	111.541	102.605	92.0
17,031 - 22,707	88	91.699	87.539	95.5
22,708 - 28,384	72	74.555	67.300	90.3
28,385 - 34,061	59	62.627	61.225	97.8
34,062 - 39,738	29	30.281	29.056	96.0
39,739 - 45,415	38	38.994	38.056	97.6
45,416 - 56,769	34	34.757	33.449	96.2
56,770 OR MORE	34	33.842	31.768	93.9
TOTAL	698	733.959	644.911	87.9

TABLE 1.52

WISCONSIN

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	52	103.799	92.705	89.3
5,000 - 9,999	123	251.923	221.828	88.1
10,000 - 14,999	113	228.436	214.210	93.8
15,000 - 19,999	133	261.000	255.491	97.9
20,000 - 24,999	103	195.952	185.316	99.7
25,000 - 29,999	88	166.428	160.521	96.5
30,000 - 34,999	83	156.924	154.606	98.5
35,000 - 39,999	61	113.188	113.188	100.0
40,000 - 49,999	67	122.246	122.246	100.0
50,000 OR MORE	82	152.588	152.588	100.0
TOTAL	905	1742.483	1672.699	96.0

TABLE 1.57

WISCONSIN

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	52	119.659	96.146	80.4
5,302 - 10,603	120	292.614	231.250	81.8
10,604 - 15,905	95	218.372	205.720	94.2
15,906 - 21,207	97	220.324	211.669	96.1
21,208 - 26,509	77	181.780	181.780	100.0
26,510 - 31,811	94	218.791	216.784	99.1
31,812 - 37,113	75	174.373	174.373	100.0
37,114 - 42,415	46	103.313	103.313	100.0
42,416 - 53,719	50	110.948	110.948	100.0
53,020 OR MORE	78	177.047	177.047	100.0
TOTAL	784	1807.220	1709.029	94.6

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CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,194 OR LESS	73	169.483	122.934	72.5
5,195 - 10,389	148	333.385	296.895	89.1
10,370 - 15,554	93	207.141	194.706	94.0
15,555 - 20,739	98	223.440	214.808	96.1
20,740 - 25,924	94	188.671	186.492	98.8
25,925 - 31,109	70	155.769	155.769	100.0
31,110 - 36,294	63	137.050	134.900	98.4
36,295 - 41,479	54	121.892	121.892	100.0
41,480 - 51,849	64	137.734	135.086	98.1
51,850 OR MORE	62	138.205	136.431	98.7
TOTAL	809	1812.772	1699.913	93.8

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	54	119.765	100.723	84.1
5,463 - 10,925	107	240.744	205.957	85.6
10,926 - 16,388	91	208.791	202.537	97.0
16,389 - 21,851	72	161.491	159.338	98.7
21,852 - 27,314	82	187.741	185.194	98.6
27,315 - 32,777	97	217.608	215.463	99.0
32,778 - 38,240	68	152.012	152.012	100.0
38,241 - 43,703	55	121.712	121.712	100.0
43,704 - 54,629	76	170.611	170.611	100.0
54,630 OR MORE	81	176.218	176.218	100.0
TOTAL	783	1756.692	1689.764	96.2

TABLE 1.52

WISCONSIN

CURRENT POPULATION SURVEY MARCH 1988

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	52	118.279	100.871	85.3
5,677 - 11,353	100	230.119	203.721	88.5
11,354 - 17,030	93	212.842	196.984	92.5
17,031 - 22,707	89	205.327	200.942	97.9
22,708 - 28,384	84	195.710	195.710	100.0
28,385 - 34,061	66	152.427	150.325	98.6
34,062 - 39,738	64	143.567	141.357	98.5
39,739 - 45,415	56	128.431	128.431	100.0
45,416 - 56,769	88	201.926	197.415	97.8
56,770 OR MORE	84	190.658	188.415	98.8
TOTAL	776	1779.286	1704.172	95.8

TABLE 1.53

WYOMING

CURRENT POPULATION SURVEY MARCH 1984

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$4,999 OR LESS	52	17,460	11,299	64.7
5,000 - 9,999	54	18,264	15,217	83.3
10,000 - 14,999	72	22,640	19,113	84.4
15,000 - 19,999	73	22,122	19,390	87.7
20,000 - 24,999	72	24,485	22,098	90.3
25,000 - 29,999	68	22,230	20,725	93.2
30,000 - 34,999	48	16,952	16,952	100.0
35,000 - 39,999	33	10,803	10,803	100.0
40,000 - 49,999	50	15,521	15,030	96.8
50,000 OR MORE	47	15,055	14,941	99.2
TOTAL	569	185,532	165,569	89.2

TABLE 1.53

WYOMING

CURRENT POPULATION SURVEY MARCH 1986

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,301 OR LESS	46	15,830	10,464	66.1
5,302 - 10,603	73	25,440	19,694	77.4
10,604 - 15,905	69	24,891	23,541	94.6
15,906 - 21,207	71	25,150	22,793	90.6
21,208 - 26,509	39	13,456	12,874	95.7
26,510 - 31,811	43	15,019	14,646	97.5
31,812 - 37,113	40	13,423	12,649	94.2
37,114 - 42,415	41	13,958	13,648	97.8
42,416 - 53,019	54	19,463	19,463	100.0
53,020 OR MORE	52	18,280	17,979	98.4
TOTAL	528	184,900	167,752	90.7

CURRENT POPULATION SURVEY MARCH 1985

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,184 OR LESS	37	10,912	8,057	73.8
5,185 - 10,369	64	19,521	17,701	90.7
10,370 - 15,554	69	20,978	18,729	89.3
15,555 - 20,739	62	18,200	16,762	92.1
20,740 - 25,924	85	27,567	24,721	89.7
25,925 - 31,109	48	14,830	14,219	95.9
31,110 - 36,294	44	14,521	13,871	95.5
36,295 - 41,479	47	15,148	14,867	98.1
41,480 - 51,869	54	16,451	15,807	96.1
51,850 OR MORE	59	17,981	17,692	98.4
TOTAL	569	176,108	162,427	92.2

CURRENT POPULATION SURVEY MARCH 1987

TOTAL INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,462 OR LESS	41	16,609	12,775	76.9
5,463 - 10,925	58	22,770	20,931	91.9
10,926 - 16,388	54	22,005	19,378	88.1
16,389 - 21,851	53	21,761	21,008	96.5
21,852 - 27,314	51	21,176	20,285	95.8
27,315 - 32,777	32	12,740	11,874	93.2
32,778 - 38,240	36	14,147	13,674	96.7
38,241 - 43,703	38	15,096	15,096	100.0
43,704 - 54,629	40	16,051	15,621	97.3
54,630 OR MORE	48	19,056	19,056	100.0
TOTAL	451	181,411	169,699	93.5

TABLE 1.53

WYOMING

CURRENT POPULATION SURVEY MARCH 1958

TOTAL - INCOME	SAMPLE SIZE	POPULATION HOUSEHOLDS	ESTIMATES (000) NO. WITH PHONE	% WITH PHONE
\$5,676 OR LESS	35	12.192	10.230	83.9
5,677 - 11,353	60	22.399	18.216	81.3
11,354 - 17,030	56	21.030	18.092	86.0
17,031 - 22,707	46	16.650	15.643	94.0
22,708 - 28,384	47	15.863	15.508	97.8
28,385 - 34,061	41	14.584	14.584	100.0
34,062 - 39,738	39	13.116	13.116	100.0
39,739 - 45,415	41	15.125	15.125	100.0
45,416 - 56,769	53	18.895	18.522	98.0
56,770 OR MORE	62	21.577	21.230	98.4
TOTAL	480	171.433	160.268	93.5

TABLE 1.54

Critical Values for Determining Significant Differences for State Totals

<u>State</u>	<u>Critical Value</u>
Total US	0.5%
Alabama	3.6
Alaska	5.3
Arizona	4.4
Arkansas	5.8
California	1.6
Colorado	3.3
Connecticut	2.9
Delaware	3.2
Dist. of Columbia	3.8
Florida	2.9
Georgia	4.9
Hawaii	2.7
Idaho	4.1
Illinois	2.1
Indiana	3.3
Iowa	3.0
Kansas	2.5
Kentucky	5.2
Louisiana	4.2
Maine	3.8
Maryland	3.2
Massachusetts	2.5
Michigan	2.6
Minnesota	2.6
Mississippi	4.9
Missouri	3.6
Montana	5.2
Nebraska	3.3
Nevada	5.0
New Hampshire	4.0
New Jersey	2.4
New Mexico	5.8
New York	2.1
North Carolina	3.9
North Dakota	3.9
Ohio	2.2
Oklahoma	3.8

TABLE 1.54 (cont.)

<u>State</u>	<u>Critical Value</u>
Oregon	3.5
Pennsylvania	1.6
Rhode Island	3.0
South Carolina	6.2
South Dakota	3.7
Tennessee	4.8
Texas	2.6
Utah	4.5
Vermont	5.4
Virginia	4.0
Washington	4.0
West Virginia	4.5
Wisconsin	3.2
Wyoming	4.6

2. Lifeline Assistance Plans

To further the universal service objectives of the Communications Act, the Joint Board and the FCC established lifeline assistance programs to ensure that low-income subscribers do not drop off the telephone network, and additionally to encourage low-income households without service to connect to the network. This section discusses the three federal lifeline plans and the various state programs implemented in response to those federal programs to date. This section does not discuss the many state programs that provide telephone assistance independent of the Federal lifeline assistance plans. Attachment I is a report from NECA on projected costs on a state-by-state basis for implementing lifeline assistance in 1988. Attachment II provides a summary of the annual reports, required by the Commission to recertify existing lifeline and Link Up America programs, which have thus far been received.¹ The reports include eligibility, participation, and cost data reported by the states of Maryland, North Carolina, Vermont, Washington, and West Virginia, and by the Ameritech, Bell Atlantic, NYNEX, Southwestern Bell, and US West telephone companies. No new reports have been filed in the past three months.

Because participating states and telephone companies have wide latitude in selecting means tests and eligibility criteria and in shaping the benefits of the programs, and because uniform reporting is required for the first time in May of 1989, existing reports do not fully describe the impact of these programs. Attachment III is a copy of the annual cost report that will be filed by FCC certified state commissions and local telephone companies participating in the Federal programs where a statewide program has not been certified.

The FCC, in conjunction with the states and local telephone companies, has established lifeline programs which are designed to promote universal service by helping low income individuals afford telephone service. The programs are funded through charges ultimately paid by interstate ratepayers, are managed by the states, and may take the form of a reduction in monthly charges or a reduction in service connection and installation charges. After state programs are certified by the FCC, local exchange carriers are reimbursed through the National Exchange Carrier Association

1 MTS and WATS Market Structure and Amendment of Part 67 of the Commission's Rules and Establishment of a Joint Board, Decision and Order, CC Docket Nos. 78-72 and 80-286 (para 5) FCC 85-643, 51 Fed. Reg. 1371 (January 13, 1986); and Establishment of a Program to Monitor the Impact of Joint Board Decision, Order, CC Docket No. 87-339, 2 FCC Rcd 5266 (1987).

(NECA) revenue pool for program expenses. These revenues are not funded by federal tax dollars. Under these programs, lifeline benefits are only available to persons who pass a "means" test such as eligibility for food stamps or Medicaid. A second requirement for FCC certification is that each applicant's eligibility for benefits be verified. The state has considerable latitude in selecting means tests, shaping the benefits, and determining the geographic availability of the programs.

Based on the recommendation of the Federal-State Joint Board, the FCC has made available the following three federal lifeline assistance plans:

Plan 1- On December 19, 1984, the FCC adopted an optional plan which allows a total reduction in fixed charges for telephone service equal to the federal subscriber line charge (SLC) for low income households satisfying a state determined means test subject to verification. This is accomplished by a 50% reduction in the SLC funded through the interstate carrier common line charge (CCLC). States wishing to take advantage of this assistance mechanism are required to implement an equal monetary reduction in the local exchange rate for those low income households to be funded from state sources. The assistance is available for a single telephone line for the principal residence of eligible households.

Plan 2- On December 10, 1985, the FCC adopted broader lifeline assistance measures for low income households providing for a total reduction in fixed charges for telephone service of twice the amount of the SLC. This reduction would be achieved through a waiver of the full federal SLC up to the amount matched by state assistance, provided that the state plan meets the following federal requirements:

a) means test -- highly targeted assistance plan which focuses on those individuals with limited incomes;

b) subject to verification -- procedures must be established which routinely check to ensure that those individuals eligible under the plans are the individuals benefitting under the plan;

c) availability -- for a single telephone line for the principal residence of eligible households.

The state matching contribution can be in the form of reduced local telephone service rates, reduced connection charges or reduced deposit requirements. No restrictions are imposed on the source of funding for the state assistance. The federal

assistance is to be funded by the carriers through the interstate Common Carrier Line Charge (CCLC).

Plan 3- On April 16, 1987, the FCC adopted a two part plan, Link Up America, to connect low income households to the telephone network. Under the first part, federal assistance will be provided to pay one-half of the connection charges, up to a maximum of \$30.00 in benefits, assessed for commencing telephone service. Under the second part, when a local exchange company (LEC) offers a deferred payment plan not to exceed 12 months for service commencement charges and it does not assess the subscribers any interest charges, federal assistance will be available to that LEC to cover the interest on costs of up to \$200.

Connection assistance will be available for one telephone line per household, at a subscriber's principal place of residence. Before qualifying for federal assistance, a plan must meet the following criteria to ensure that the assistance is properly targeted: 1) the customer requesting assistance has lived at an address or addresses where there has been no telephone service for at least three months immediately prior to the request for assistance; 2) assistance is available, at most, once every two years; 3) the customer cannot be a dependent (as defined by the federal income tax code) under the age of 60; and 4) the customer must meet state-determined income criteria. The first two criteria are to be verified by using LEC records. The final two criteria may be self-certified. If a state determines, however, that verification of criteria #1 and #2 is administratively or economically impractical for a LEC, that the necessary information must be provided by a LEC or agency outside the state, or that other specified circumstances exist, then self-certification of these criteria will be allowed, but criterion #4 must be verified by the state or LEC.

States are encouraged, but not required, to match the federal benefits and cover the remaining half of the connection charges. The states and LECs are encouraged to develop deferred payment plans for service commencement charges as well as to provide reductions in, or waivers of, security deposit requirements for low income customers who do not have poor credit histories.

Federal assistance is to be funded through the interstate CCLC until April 1989, at which time all three lifeline assistance plans will be funded through direct billing of the interexchange carriers (IXCs) by NECA. Under existing rules, IXCs will be responsible for paying lifeline assistance if

they have at least 1) 1% of the "1+" or "presubscribed" common lines presubscribed to interexchange carriers in all study areas, or 2) 5% of the presubscribed lines in any study area and a minimum of 1,000 presubscribed lines in that study area. However, the Commission has initiated a Notice of Proposed Rulemaking which proposes to replace this cut-off point with a nationwide 0.5% of presubscribed lines criterion.

On June 23, 1988, the FCC adopted a Notice of Proposed Rule Making in CC Docket No. 88-341 which proposed eliminating the requirement that consumers requesting to be included in the Link Up America program have lived at an address where there has not been telephone service for the last three months and have not received Link Up benefits in the last two years. This Notice was adopted in response to waiver requests from the States of Maine and New York. Some telephone companies have declined to participate in the program due to the existence of non-means-based eligibility criteria. The Commission is concerned that the three-month and two-year eligibility rules are discouraging participation in Link Up America. Data from a pilot program indicate that approximately 15 percent of Link Up applicants have been rejected for failure to meet the three-month rule. Therefore, the Commission proposed eliminating these rules for states and telephone companies that verify income eligibility but retaining these rules and requiring prior service verification in cases in which income eligibility is not verified. Comments were filed in that docket on August 15, 1988, and reply comments were filed on September 12, 1988. Those comments will be summarized and discussed in the Order that is forthcoming in that docket.

Two states, California and New York, began offering a lifeline assistance program pursuant to Plan 1 in 1985. New York switched to Plan 2 in November 1987. Twenty-five states and the District of Columbia have been certified to offer lifeline assistance pursuant to Plan 2. At this time, thirty-four states, the District of Columbia and Puerto Rico have been certified by the FCC to provide lifeline connection assistance under the Link Up America Program, Plan 3, which became effective July 1, 1987. Table 2.1 provides a complete listing of all approved state and local exchange company programs offering assistance, and the dates of FCC certification.

TABLE 2.1

Lifeline and Connection Assistance Programs:
Date of Approval

State	Lifeline	Link Up
Alabama		10/01/87
Arizona	11/14/86	1/15/88
Arkansas	5/22/86	10/01/87
California	1/01/85*	
Colorado	7/25/86	11/13/87
Connecticut		11/13/87
District of Columbia	3/18/86	8/19/87
Hawaii	10/27/86	
Idaho	7/24/87	
Indiana		4/25/88
Iowa		3/10/88
Kansas		1/27/88
Kentucky		12/24/87
Louisiana		10/25/88
Maine	8/11/87	8/11/87**
Maryland	5/22/86	10/01/87
Minnesota	1/27/88	1/27/88
Mississippi		4/27/88
Missouri	10/01/87	12/28/87
Montana	8/11/87	8/11/87
Nebraska		3/17/88
Nevada	4/28/87	
New Hampshire		11/3/88
New Jersey		11/13/87
New Mexico	4/01/87	1/15/88
New York	11/02/87***	8/11/87
North Carolina	5/22/86	10/19/87
North Dakota		12/24/87
Ohio	7/01/87	10/01/87
Oregon	5/22/86	5/05/88
Pennsylvania		6/02/88
Puerto Rico		11/17/88
Rhode Island	9/21/87	9/21/87
South Carolina		12/24/87
South Dakota	3/25/88	3/25/88
Tennessee		11/3/88
Texas	7/12/88	10/01/87
Utah	12/31/86	3/17/88
Vermont	10/01/86	
Virginia	12/24/87	12/24/87

Washington
West Virginia

7/24/87
7/25/86

9/11/87

* California is the only state still offering a lifeline program under Plan 1 (the 50% waiver of the SLC).

** Approved but not implemented as of 12/1/88.

*** From June 1985 until November 1987, the State of New York offered a lifeline program under Plan 1.

A brief summary of Plan 2 being offered in each of these states follows.

-Arizona: established a three year telephone Assistance Pilot Program that targets individuals at or below 150% of federal poverty guidelines. State assistance includes coverage of all costs of flat-rate unlimited local calling, wire and line maintenance fee, and a one-time upgrade of service (not to exceed a value of \$27.50). A telephone rental for a monthly fee of \$2.25 is also offered. All applicants are state interviewed and certified annually. The program was approved on November 14, 1986.

-Arkansas: established a Lifeline Measured Rate service available to residential ratepayers who meet the criteria of the federal food stamp program. The local program has been in effect since September 1984 and provides an estimated average benefit of \$4.10 per month per subscriber, independent of the waiver of the subscriber line charge.

-Colorado: enacted legislation effective September 1, 1986, to establish the Colorado low-income Telephone Assistance Program through revised state statutes. The law provides single-line dial-tone and flat-rate service in a principal residence at the equivalent of a twenty-five percent discount. Eligible subscribers are state social service recipients of financial assistance programs for the elderly and low-income disabled persons who qualify for supplemental security income under federal programs.

-District of Columbia: established an Economy II service available to residential ratepayers who are over 65 years of age and qualify under federal statutory criteria for participation in the Low Income Home Energy Assistance Programs (LIHEAP) or the Complementary Energy Assistance Program in the District. The local program provides an average benefit of \$4.81 per month per subscriber, independent of the waiver of the subscriber line charge. The program was approved on March 18, 1986.

-Hawaii: enacted legislation on April 30, 1986. The rate is \$2.70 less than the regular individual residence rate for eligible participants 60 years of age or older with total annual household income of \$10,000 or less. On October 15, 1986, the Hawaiian Telephone Company filed tariffs with the Public Utilities Commission setting verification and income eligibility standards, providing for installation of a single residence access line and associated equipment, a 50% reduction in service connection charges, elimination of

nonrecurring charges and three-month payment leniency on reduced connection charges.

-Idaho: legislation passed in 1987 (H.B. No. 298) provides for Telecommunications Service Assistance which requires that recipients meet both age and income means tests. Applicants must be a head of household, sixty years of age or older, and participants in LIHEAP (130% of the federal poverty guidelines). The Idaho Public Utilities Commission will set a uniform monthly surcharge on each business and residential access line to reimburse telephone service providers. The program matches the subscriber line charge, and was approved on July 24, 1987.

-Maine: established a Lifeline Service Program for eligible households receiving AFDC, SSI, Medicaid, Food Stamps, or Energy Assistance. The program provides reduced service and equipment charges for installation, and a reduction in the monthly rate of basic exchange service. Maine estimates over 22,250 participating subscribers (40% of those qualified) and forecasts an annual installation program of 8,600. The program was approved on August 11, 1987.

-Maryland: established a Tel-Life service available to residential ratepayers who qualify under the state general public assistance program or under the federal Social Security Act. The Public Service Commission estimates that 39,750 people will qualify under the program and that the average benefit will be \$4.40 per month per subscriber, independent of the additional discount available on initial installation and connection services and of the waiver of the subscriber line charge. The program was approved May 22, 1986.

-Minnesota: In 1987, the state of Minnesota enacted a law to provide state assistance to low income subscribers. Approximately 40,000 households may be eligible for benefits. Eligibility is certified by the Department of Human Service. The MPUC ordered all 94 local telephone companies to use the same tariff. The MPUC set a surcharge initially at 10 cents per local subscriber per month to generate approximately \$2.4 million annually. The Minnesota program was approved on January 27, 1988.

-Missouri: enacted a Lifeline Service Plan on October 1, 1987. The plan offers reduced rates of \$5.30 for one basic residential access line. Eligible subscribers must qualify for energy assistance, be at least 65 years of age or disabled, and have an annual income of no more than \$7,500. The Missouri Division of Family Services will provide

Southwestern Bell with a list of residents eligible to participate. Continued eligibility will be certified by Southwestern Bell through a list provided by the Division of Family Services.

-Montana: established a program based on criteria in Montana S.B. No. 257. Assistance will be verified by the Montana Department of Social and Rehabilitation Services for subscribers receiving Medicaid (12,000 households). The state assistance for subscribers will equal the residential subscriber line charge. Reimbursement of the telephone company for discounts will be authorized by the Public Service Commission through a monthly rate surcharge. The program was approved on August 11, 1987.

-Nevada: established the Nevada Experimental Lifeline Program which has two sets of criteria for eligibility, each of which meets the federal criteria: (a) the applicant must be at least 60 years of age and the applicant's household gross income must be under 150% of the federal poverty level; (b) the applicant must be a recipient of government-funded public assistance, e.g., SSI or SSA, regardless of age, with household income under 150% of the poverty level. The Experimental Lifeline Program will be funded solely by the shareholders of Nevada Bell to provide a \$2.60 per month discount and the once-a-year 50% discount connection charge. Eligible subscribers will receive discounts without limitation to the grade of service or customer calling patterns. The program was approved on April 18, 1987.

-New Mexico: approved the Mountain Bell Low Income Telephone Assistance Program (LITAP), effective March 1, 1987. Under LITAP, Mountain Bell's customers in New Mexico who receive supplemental income under the Social Security Act, Aid for Dependent Children, and Community in-home care are eligible for lifeline benefits. Customers receive a \$2.60 per month reduction in monthly bills for basic exchange service, and a 25% discount on the access line installation. Program eligibility is administered by the New Mexico Human Service Department.

-New York: beginning June 1, 1985, New York Telephone offered a basic lifeline plan to qualified subscribers that waived 50% of the Subscriber Line Charge. In September 1987 the Public Service Commission ordered the telephone company to expand the program. The expanded lifeline plan provides discounts on monthly service in excess of the \$2.60 Subscriber Line Charge. One option, the Basic Lifeline plan, provides eligible subscribers a message rate access line for \$1 per month plus a

10% discount on up to \$5 of monthly usage. A second option, the Expanded Lifeline Service, provides the same \$1 per month access line plus \$10 of monthly usage for a prepaid \$9 per month. Residents who qualify for AFDC, Food Stamps, Home Relief, Medicaid, SSI and the Home Energy Assistance Program will be eligible to participate. Eligibility will be certified by the New York State Department of Social Services.

-North Carolina: established a matching program in the state which is available to ratepayers who qualify under the federal AFDC and SSI programs. The program provides for a credit on the local service bill of 100% of the subscriber line charge. The program is funded through state tax credits given to the participating LECs. The program was approved on May 26, 1986.

-Ohio: approved the low-income "telephone assistance plans" (TAPS) of eight Ohio local exchange companies. Each TAP plan offers a waiver of the security deposit and a fifty percent reduction in service connection charges upon initiation or reestablishment of service to participant in the Home Energy Assistance Program or the Ohio Energy Credits Program. The requirements in both programs have annual income limits per household. Additionally, eligibility for Ohio Energy Credits requires that the head of the household and/or the spouse be age 65 or older, or permanently or totally disabled, with gross annual household income of no more than \$9,000. The TAP offerings are provided to eligible customers through the deposit waiver and connection discount only once in a one-year period. Participants in the TAP offerings receive a waiver of the full SLC for a period of months commensurate with the amount of nonrecurring state assistance provided. United Telephone Company of Ohio's TAP program went into effect on January 6, 1986, while the other seven participating LECs began offering TAP in the spring of 1987. The FCC approved the provision of the SLC waivers in association with the TAP offerings on July 1, 1987.

-Oregon: the Oregon Telephone Assistance Program (TAP) was a trial program approved on May 22, 1986. A new program, effective May 1, 1988, is available to customers who are currently receiving food stamps and customers under Title 19 of the Oregon law who are 60 years of age or older and eligible to receive food stamps. Eligibility is determined by the Oregon Public Utility Commission. The program provides for a waiver of the \$2.60 subscriber line charge as well as a matching discount for the access line. There are 100,000 eligible customers for the program.

-Rhode Island: enacted legislation in October 1987 to provide a Lifeline Service Program. Eligible subscribers will receive a reduction of \$5.20 per month for a single telephone line, including one and two party unlimited local service, one-state-one-rate service, ocean state service, or enhanced Ocean State service. The program is available to residents who qualify for SSI, AFDC, GPA or Rhode Island Medical assistance. The Public Utilities Commission will monitor the program by requiring data from the telephone company within six months after the implementation. A monthly cross-check will be performed by the Department of Human Resources using computer tapes of participants provided by the telephone company.

-South Dakota: the statewide Low Income Telephone Assistance Plan, became effective April 1, 1988. At present, Northwestern Bell Telephone Company is the only company currently offering lifeline. The impetus for the PUC Order was "the Commission's dedication to the concept of Universal service and the concern that telephone installation charges, security deposits and gradually increasing local rates may represent a barrier preventing some individuals from obtaining telephone service." South Dakota Northwestern Bell customers who are 60 years of age or older and who receive benefits from either the Food Stamp Program or the Home Energy Assistance Program qualify. The South Dakota Department of Social Services will provide verification of continuing eligibility.

-Texas: the Texas Legislature in 1987 provided for the Tel-Assistance Service Program in Senate Bill 444. Tel-Assistance Service provides a 65 percent reduction in the monthly cost of residential local exchange service for a customer who is at or below the poverty level, is 65 years of age or older, is the head of a household, and is disabled. The Texas Department of Human Service will identify eligible customers and verify the income of service applicants to determine eligibility.

-Utah: established a lifeline program which addresses the price of local service and the customer's cost of obtaining telephone service. Discounts are provided to eligible customers of telephone companies with rates for local service (not including extended area service, mileage charges for areas outside of the base rate areas, and optional features) above the state established standard needs budget for telephone service. Those companies include Mountain Bell, Continental Telephone Company of the West, and Beehive Telephone Company. Other telephone companies may apply to the

Public Service Commission of Utah for a lifeline rate if they desire to offer one.

Customers who qualify by income or participate in any one of eight income-eligible welfare programs supervised by Utah's Department of Social Services may register themselves for lifeline services by filing a certification with their local exchange carrier, if the carrier offers lifeline telephone service.

The telephone companies, not less than annually, must verify their lists of lifeline rate participants with the eligibility lists maintained by Social Services of Utah. The program was approved on December 31, 1986.

-Vermont: enacted broad legislation on May 13, 1986 requiring the Public Service Board to adopt rates designed to implement a lifeline program, and provide a \$2.00 credit toward payment on monthly local telephone charges by eligible households. The legislation also required the department of Social Welfare to continue to administer the eligibility and verification provisions of the program. Two means of eligibility exist: the first, participation in either AFDC, Food Stamps, Fuel Assistance, Medicaid, or Supplemental Security Income programs; the second, participation in the Vermont Department of Taxes' state sales tax credit program for individuals over 65 years old having gross income of less than \$13,000 per annum.

-Virginia: asked all twenty Virginia local exchange telephone companies, on September 8, 1987, to submit "Virginia Universal Service Plan" tariffs to be effective no later than January 1, 1988. To be eligible, a subscriber must be a recipient of Medicaid assistance as administered by the Virginia Department of Medical Assistance Service. The Commission approved the Virginia plan on December 24, 1987.

-Washington: effective July 26, 1987, eligible subscribers are verified by the State Department of Social and Health Services through participation in the following programs: AFDC, CHORE services, food stamps, SSI, refugee assistance, or the Community Options Program Entry System. Each of these programs is means-tested by the department. A 50 percent discount on the service connection fee is mandated, and the remaining portion is payable through installment payments. The local exchange deposit is also waived. The legislation creates a lifeline excise tax on all other switched access lines to support lifeline service.

-West Virginia: enacted legislation effective July 1, 1986, requiring telephone companies to provide Telephone Assistance Service to low-income residential customers. Subscribers must be either disabled or at least 60 years of age and be receiving Social Security supplemental security income benefits, aid to families with dependent children benefits, aid to dependent children-unemployed benefits, food stamps, or be a member of a household whose total income qualifies under Social Security supplemental income programs.

ATTACHMENT I

LIFELINE ASSISTANCE PLANS
NECA BUDGET PROJECTIONS FOR STATE PLANS

The monitoring of Lifeline Assistance plans requires NECA to submit reports at the state and study area level of detail. Because the Lifeline Connection Assistance program is new, being introduced in July 1987, and the end user charge waiver has historically been netted in reporting for pooling purposes. In lieu of actuals for the prior period, NECA has submitted the projection of Lifeline Assistance amounts that were included in the Annual Tariff filing made on October 2, 1987 for calendar year 1988.

NECA is collecting actual data from the exchange carriers on a semiannual basis and will include this data in this docket. The June 1989 report will show actual data for each local exchange carrier.

LIFELINE ASSISTANCE BY STATE
(PROJECTED IN 1988 DOLLARS)

STATE	END USER CHARGES WAIVED	LCA CONNECTION CHARGES	LCA-DEFERRED INTEREST	TOTAL ASSISTANCE
AK	0	0	0	0
AL	0	60,071	0	60,071
AR	160,586	60,651	0	221,237
AZ	312,000	25,343	0	337,343
CA	19,688,452	0	0	19,688,452
CO	686,400	18,020	0	704,420
CT	0	0	0	0
DC	93,600	3,426	0	97,026
DE	81,214	1,100	0	82,314
FL	0	285,827	1,676	287,503
GA	0	74,407	0	74,407
HI	163,862	0	0	163,862
IA	0	22,950	0	22,950
ID	172,550	4,453	0	177,003
IL	0	0	0	0
IN	0	0	0	0
KS	0	2,296	0	2,296
KY	0	60,681	0	60,681
LA	0	161,257	0	161,257
MA	0	0	0	0
MD	99,840	48,000	0	147,840
ME	429,624	644	0	430,268
MI	27,540	3,400	0	30,940
MN	1,123,200	47,040	0	1,170,240
MO	830,481	21,140	0	851,621
MS	0	89,622	0	89,622
MT	374,400	11,393	0	385,793
NC	732,420	108,325	0	840,745
ND	0	2,310	0	2,310
NE	475,800	20,400	0	496,200
NH	0	0	0	0
NJ	500,697	215,670	0	716,367
NM	642,720	29,125	0	671,845
NV	35,053	120	3	35,176
NY	2,297,598	577,040	40,017	2,914,655
OH	1,183,018	18,640	0	1,201,658
OK	0	11,760	0	11,760
OR	468,425	19,880	0	488,305
PA	0	20,000	0	20,000
PR	0	0	0	0
RI	453,118	7,100	138	460,356
SC	0	72,705	0	72,705

LIFELINE ASSISTANCE BY STATE

SD	135,377	13,125	0	148,502
TN	0	129,929	0	129,929
TX	0	39,630	0	39,630
UT	701,376	21,994	0	723,370
VA	78,000	148,279	0	226,279
VI	0	0	0	0
VT	485,160	00	0	485,160
WA	727,212	139,830	26	867,068
WI	0	1,960	0	1,960
WV	190,289	8,108	0	198,397
WY	70,200	8,293	0	78,493
X <u>1/</u>	936,963	0	0	936,963
	=====	=====	=====	=====
	34,357,173	2,615,944	41,860	37,014,977
	=====	=====	=====	=====

1/ X represents the national total for unsampled study areas.

ATTACHMENT II
ANNUAL LIFELINE AND LINK UP REPORT

STATE/ TELEPHONE CO. (implementation date)	PARTICIPATION / SUBSCRIBERS	COST DATA
Maryland Public Service Commission (7/1/86 to 10/31/87)	Participating households 4,382 New subscribers 1,624 Number of regrades 2,758	Implementation (C&P) \$ 97,000 Administrative (C&P) \$ 196,340 State verification costs \$ 15,000 Connection charges \$ 16,722 Monthly charges \$ 165,761
North Carolina Utilities Commission (12/31/87)	SLCW 16,221 New subscribers responding to SLCW 554	Implementation \$ 49,032 Administrative \$ 69,769 State tax credits \$ 210,545
Vermont Public Service Board (7/01/86 to 7/01/87)	Participation estimate 15,912 (Eligible households 40,000)	Administrative \$ 23,400 Benefits \$ 74,895
Washington State Utilities Commission (8/1/87)	SLCW 31,611	Start up costs \$ 240,000 Benefits \$1,075,800
West Virginia Public Service Commission (SLCW 1986 data)	SLCW 6,345 LUA 3,563	Customer discount \$ 75,951
Ameritech: Ohio Bell (SLCW 4/01/87)	SLCW 11/87 581	SLCW \$ 36,748
Bell Atlantic: C&P Telephone District of Columbia	SLCW 3/88 3,220	SLCW \$ 25,750 Customer survey \$ 8,000
NYNEX: New York Telephone Co. (50% SLCW 6/85) (100% SLCW 9/87)	SLCW 12/01/87 92,193	(Tracking is being developed)

ATTACHMENT II
(Continued)

STATE/ TELEPHONE CO. (implementation date)	PARTICIPATION/ SUBSCRIBERS		COST DATA	
Southwestern Bell: Arkansas (SLCW 9/10/87)	SLCW (12/31/86) (50% new subscribers on network)	4,475	SLCW	\$ 12,464
US West: Arizona (10/86) New customers	Participation 6/30/87 (Estimated eligible	1,195 3,000)	SLCW	\$145,404
Colorado (9/01/86)	Participation 6/30/87 New connects (Estimated eligible	18,338 276 35,000)	SLCW (includes 25% discount on basic and mileage)	\$398,038
New Mexico (3/01/87)	Participation 6/30/87 New users (Estimated eligible	10,500 255 40,000)	SLCW (includes 25% discount on service)	\$ 49,215
Oregon (6/01/87 to 7/01/87)	Participation 6/30/87 New connects (Estimated eligible	6,479 97 20,000)	SLCW	\$155,446
Utah (1/01/87)	Participation 6/30/87 New connects (Estimated eligible	14,547 1,915 60,000)	SLCW	\$338,618

NOTE: The responses are not uniform in the definition of benefits provided. In some states, lifeline costs include rate discounts beyond the subscriber line charges waiver. The terminologies are those of the respondents and are also not uniform.

LUA = Link Up America: connection charges
SLCW = Subscriber line charge waiver

FCC 496

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554APPROVED BY OMB
3060-0391
EXPIRES 09/30/90

STATE TELEPHONE ASSISTANCE REPORT

Estimated Average Burden
Hours Per Response: 4 Hours

READ ALL INSTRUCTIONS ON BACK BEFORE COMPLETING

1. NAME AND ADDRESS OF REPORTING ENTITY	2. FOR STATE OF:
	3. YEAR REPORT ENDING: DECEMBER 31, 19_____

4. REPORT REFLECTS THE FOLLOWING TELEPHONE COMPANY(IES)

5(a) PARTICULARS PERTAINING TO PROGRAM PARTICIPANTS AND COST	AT END OF YEAR	
	(b) Lifeline Program	(c) Link Up Program
1. Number of Households/Customers enrolled in program		
2. Number of enrolled households that are new customers (incl. in 1. above)		
3. Number of Households eligible		
4. Annual Administrative Costs - Recurring (See Instruction C)		
5. Administrative Costs - Start-up (See Instruction C)		

6. PARTICULARS PERTAINING TO SERVICE AREA AND CHARGES	AT END OF YEAR
1. Number of households in service area	
2. Number of households with telephone service	
3. Subscriber line charges waived (Per Subscriber Per Month (Average) \$ _____)	
4. Additional Reduction in Local Charges or Benefits Provided (Per Subscriber Per Month \$ _____)	

7. DESCRIPTION OF PROGRAM (See Instruction D)		
a. Name of Program	b. Type of Program (Mark "X" One) 1. <input type="checkbox"/> Lifeline Program 2. <input type="checkbox"/> Link Up Program	c. Date of Most Recent FCC Certification
		d. Effective Date of Program

e. Eligibility Requirements. Describe eligibility requirements. Response should include income criteria and/or participation in other assistance programs such as Medicaid, Food Stamps, fuel assistance, etc. Also, include non-income criteria such as age and disability. Describe how the number of eligible households is developed.

f. Verification of Eligibility Requirements. Describe how the eligibility requirements, defined above, are verified.

g. Determination of Costs. Describe how the costs of the plan are determined.

h. Publicity Methodologies. Describe methodologies used to inform the public about the availability of the program.

8. CONTACT REPRESENTATIVE. Give name, address and telephone number of person preparing this report.

Name	Mailing Street Address or P.O. Box, City, State and ZIP Code	Area Code - Telephone No.
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9. CERTIFICATION: I certify that to the best of my knowledge and belief that this is a true and correct report.

Date	Typed Name of Person Signing	Title of Person Signing	Signature
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PERSONS MAKING WILLFUL FALSE STATEMENTS IN THIS REPORT CAN BE PUNISHED BY FINE OR IMPRISONMENT, U.S. CODE, TITLE 18, SECTION 1001.

FCC 496
SEPTEMBER 1988

INSTRUCTIONS

A. This report is prescribed under authority of Sections 4(i) and 4(j) of the Communications Act of 1934, as amended. FCC 496 shall be filed in duplicate with the **Federal Communications Commission, Washington, D.C. 20554**, not later than **May 1**, of the year following that for which the report is made.

B. The following entities that participate in Federal telephone assistance under Parts 69 and/or 36 of the FCC Rules are required to file this report:

1. All states that have obtained FCC certification to provide such assistance programs;
2. All telephone companies that have obtained FCC certification; and
3. All other telephone companies that participate in waivers or reductions of the end user subscriber line charge.

C. The cost of the program should include all costs specifically identifiable as related solely to the lifeline and Link Up America programs; no allocation of common or joint costs should be included. For states filing this report, the figures reported should include both state and local exchange carrier costs.

D. Item 7. Description of Program. Complete item 7 only once for each different program even if this report is being submitted by a state commission for more than one company.

If the state or company reporting has both a lifeline program and a Link Up program, please provide a separate descriptive sheet for each program.

If a description is already on file at the FCC, please indicate "No change since my submission of (include date)."

E. Any data that requires clarification should be footnoted and fully explained in the Remarks section below. If the space provided is insufficient for the required data or it is otherwise necessary or desirable to insert additional statements or schedules, the insert pages should include the name of the respondent and the time period covered, in a style conforming nearly as practicable to that appearing on the regular page.

F. All instructions shall be followed. All questions and statements must be completed. If proper answer is "none" or "not applicable," insert that answer. If exact data are not available, please estimate and label your response "estimate".

G. Notice. The FCC 496 Report is needed to provide the Commission with the data necessary to fulfill its regulatory responsibilities with respect to interstate telephone service under Title II of the Communications Act of 1934, as amended. Information from FCC 496 Report is used in analyzing requests for continuing certification of state telephone assistance programs and selected data are tabulated and released by the Commission. Your response is mandatory.

Public reporting burden for this collection of information is estimated to average 4 hours per response including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Federal Communications Commission, Office of Managing Director, Washington, DC 20554, and to the Office of Management and Budget, Office of Information and Regulatory Affairs, Washington, DC 20503.

This Notice is required by the Privacy Act of 1974, P.L. 93-579, December 31, 1974, 5 U.S.C. 552a(e)(3) and the Paperwork Reduction Act of 1980, P.L. 96-511, December 11, 1980, 44 U.S.C. 3504.

REMARKS

3. Costs and High Cost Assistance

On a nationwide average basis, approximately 28 percent of local exchange carrier (LEC) local loop costs are allocated to the interstate (federal) jurisdiction, and 72 percent are allocated to the state jurisdiction. The average cost per loop, however, varies significantly among LECs. The Commission's high cost assistance program enables LECs with very high per loop costs to allocate more of their loop costs to the interstate jurisdiction, thus recovering these costs from interexchange carriers and leaving less costs to be recovered through state rates. In this manner, the high cost assistance program operates to hold down local rates and thereby furthers one of the most important goals of federal and state regulation -- the preservation of universal telephone service. Acting on the recommendation of the Federal-State Joint Board in CC Docket No. 80-286, the Commission adopted rule changes that, effective January 1988, retargeted federal assistance provided to high cost LECs. This section of the report outlines the high cost assistance program and the changes adopted by the Commission, and discusses the high cost data included in the report.

The Commission regulates the recovery by LECs of that portion of their total costs associated with the provision of interstate services. The states regulate the recovery of costs associated with intrastate services (local service and state long distance services). The Commission's high cost assistance program relates to the allocation between the state and interstate jurisdictions of non-traffic sensitive (NTS) "local loop costs" -- a term that refers to the costs of outside telephone wires, poles, and other facilities that link each telephone customer's premises to the public switched telephone network. These costs are allocated between the state and interstate jurisdictions because all local loops can be used for making and receiving state and interstate telephone calls.

Pursuant to the changes recommended by the Joint Board and adopted by the Commission, high cost assistance has been retargeted to increase benefits to small and medium sized LECs beginning in January 1988. This retargeting takes the form of an additional interstate cost allocation for such LECs. The old and new high cost formulas are compared in Table 3.1.¹

The Commission's high cost assistance program is being implemented during a period in which the basic interstate allocation of loop costs is

¹ Of course, the percentages shown in the table are in addition to the basic allocator of NTS costs allocated to the interstate jurisdiction under our rules.

being shifted from a level based on the Subscriber Plant Factor (SPF) to a gross allocation factor of 25%. Both of these changes are being phased in over the same eight-year period.

The Commission's high cost assistance program is administered by the National Exchange Carrier Association (NECA). As part of the administration of the program, NECA collects certain cost data from LECs that provide service to approximately 98% of the nation's subscribers. Each year NECA collects NTS cost and loop data from the previous year, and uses it to distribute high cost assistance in the following year. State totals from NECA's 1988 report, covering high cost data for 1987, and using a 12% rate of return which was in effect in 1987 (rather than the 12.75% rate previously in effect) are presented in Table 3.2. The column headed "USF Cost/Loop" is the "Unseparated Revenue Requirement" divided by the "Loops". Chart 3.1 shows the geographic distribution of which states have below or above average costs per loop. In Table 3.2, the column headed "Annual USF at 100%" is the universal service fund (USF) calculation for 1987 data based on the new high cost formula which took effect in 1988. The introduction of the USF and the movement of the basic interstate allocation from frozen SPF to 25% is being accomplished over an eight-year transition period which began in 1986. Since 1989 is the fourth year of this transition, the annual USF payment for 1989 will be $\frac{4}{8}$ (or $\frac{1}{2}$) of the amount shown in the column "Annual USF at 100%" and the monthly payment will be 4 times the amount shown in the column "Monthly USF at $\frac{1}{8}$ Transition." Table 3.3 shows the same information for each individual study area. Study areas with an "A" in the column headed "Sub/Type" are average schedule companies; for these companies the costs shown are based on averages for other companies and don't necessarily reflect the costs of the particular companies listed.

TABLE 3.1

HIGH COST FORMULAS

Cost Range As % of National Average % Expense Adjustment Within Range

Old Formula, Study Areas with Over 50,000 Loops

0% - 115%	0%
115% - 150%	25%
150% and above	75%

Old Formula, Study Areas with 50,000 Loops or Less

0% - 115%	0%
115% - 150%	50%
150% and above	75%

New Formula, Study Areas with Over 200,000 Loops

0% - 115%	0%
115% - 160%	10%
160% - 200%	30%
200% - 250%	60%
250% and above	75%

New Formula, Study Areas with 200,000 Loops or Less

0% - 115%	0%
115% - 150%	65%
150% and above	75%

TABLE 3.2

DATE: 08/19/60
 TIME: 10:19
 PRD: 001
 TYPE: ALL

NATIONAL EXCHANGE CARRIERS ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
 STATE SUMMARY

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 PAGE 1

STATE	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
ALABAMA	436,366,145.04	1,663,583	262.30	15,581,274	162,306	03.11
ALASKA	98,988,844.90	250,920	394.50	20,447,993	296,337	05.69
ARIZONA	446,716,176.17	1,692,428	263.94	13,480,272	140,420	02.69
ARKANSAS	296,942,540.61	942,016	315.22	17,435,839	181,624	03.49
CALIFORNIA	3,356,116,840.83	15,370,310	218.35	38,127,955	397,168	07.63
COLORADO	355,192,061.16	1,714,885	207.12	2,629,196	27,389	00.52
CONNECTICUT	362,082,954.94	1,749,489	206.96	0	0	00.00
DELAWARE	66,573,680.20	368,747	180.54	0	0	00.00
DISTRICT OF COLUMBIA	81,760,698.32	776,011	105.36	0	0	00.00
FLORIDA	1,951,032,232.40	6,651,854	293.30	27,393,443	285,348	05.48
GEORGIA	837,318,081.00	2,965,465	282.35	23,660,314	246,463	04.73
HAWAII	86,178,522.62	503,271	171.23	0	0	00.00
IDAHO	120,809,121.63	428,590	281.87	7,874,810	82,031	01.57
ILLINOIS	965,754,359.83	5,904,874	163.55	2,442,180	25,439	00.48
INDIANA	523,299,147.68	2,400,280	218.01	1,670,949	17,406	00.33
IOWA	263,182,377.17	1,290,550	203.93	1,206,989	12,576	00.24
KANSAS	307,439,967.68	1,191,394	258.05	13,563,321	141,286	02.71
KENTUCKY	406,870,155.92	1,460,288	278.62	7,961,803	82,935	01.59
LOUISIANA	574,467,832.34	1,837,702	312.60	18,620,051	193,958	03.72
MAINE	150,050,416.99	582,183	257.73	2,553,830	26,603	00.51
MARYLAND	470,874,600.51	2,525,912	186.41	0	0	00.00
MASSACHUSETTS	500,249,853.00	3,302,933	151.45	0	0	00.00
MICHIGAN	824,733,309.59	4,454,281	185.15	1,835,620	19,121	00.36
MINNESOTA	454,792,141.22	2,133,524	213.16	3,410,527	35,525	00.68
MISSISSIPPI	309,762,462.91	935,867	330.98	9,587,399	99,870	01.91
MISSOURI	569,472,470.92	2,413,768	235.92	33,184,973	345,679	06.64
MONTANA	117,952,479.89	363,951	324.08	8,124,537	84,631	01.62
NEBRASKA	151,562,850.10	783,036	193.55	4,353,747	45,353	00.87
NEVADA	128,496,724.84	576,852	222.75	5,567,292	57,993	01.11
NEW HAMPSHIRE	151,006,017.89	565,838	266.87	750,042	7,814	00.15
NEW JERSEY	777,592,744.05	4,537,814	171.35	0	0	00.00
NEW MEXICO	170,794,527.94	621,997	274.59	17,741,492	184,809	03.55
NEW YORK	2,342,472,473.67	9,956,220	235.27	9,972,522	103,880	01.99
NORTH CAROLINA	762,887,344.41	3,007,936	253.62	12,398,838	129,154	02.48
NORTH DAKOTA	89,407,767.97	336,164	265.96	2,392,837	24,926	00.47
OHIO	1,025,604,471.94	4,976,116	206.10	761,914	7,937	00.15
OKLAHOMA	418,979,550.63	1,476,752	283.71	23,645,529	246,311	04.73
OREGON	320,234,311.40	1,331,865	240.44	11,200,940	116,678	02.24
PENNSYLVANIA	1,058,972,181.82	5,999,716	176.50	1,785,373	18,598	00.35
PUERTO RICO	196,931,816.01	764,979	257.43	0	0	00.00
RHODE ISLAND	92,687,333.56	492,045	188.37	0	0	00.00
SOUTH CAROLINA	432,968,380.30	1,438,707	300.94	8,722,720	90,862	01.74
SOUTH DAKOTA	81,071,893.15	312,694	259.26	2,129,806	22,186	00.42
TENNESSEE	520,790,991.38	2,231,795	233.35	2,689,330	28,014	00.53
TEXAS	2,132,515,053.17	7,874,717	270.80	71,492,421	744,712	14.31
UTAH	133,251,795.40	686,194	194.18	1,795,268	18,701	00.35
VERMONT	83,174,391.97	280,290	296.74	3,108,802	32,384	00.62

TABLE 3.2

DATE: 08/19/88
 TIME: 10:19
 PRD: 881
 TYPE: ALL

NATIONAL EXCHANGE CARRIERS ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
 STATE SUMMARY

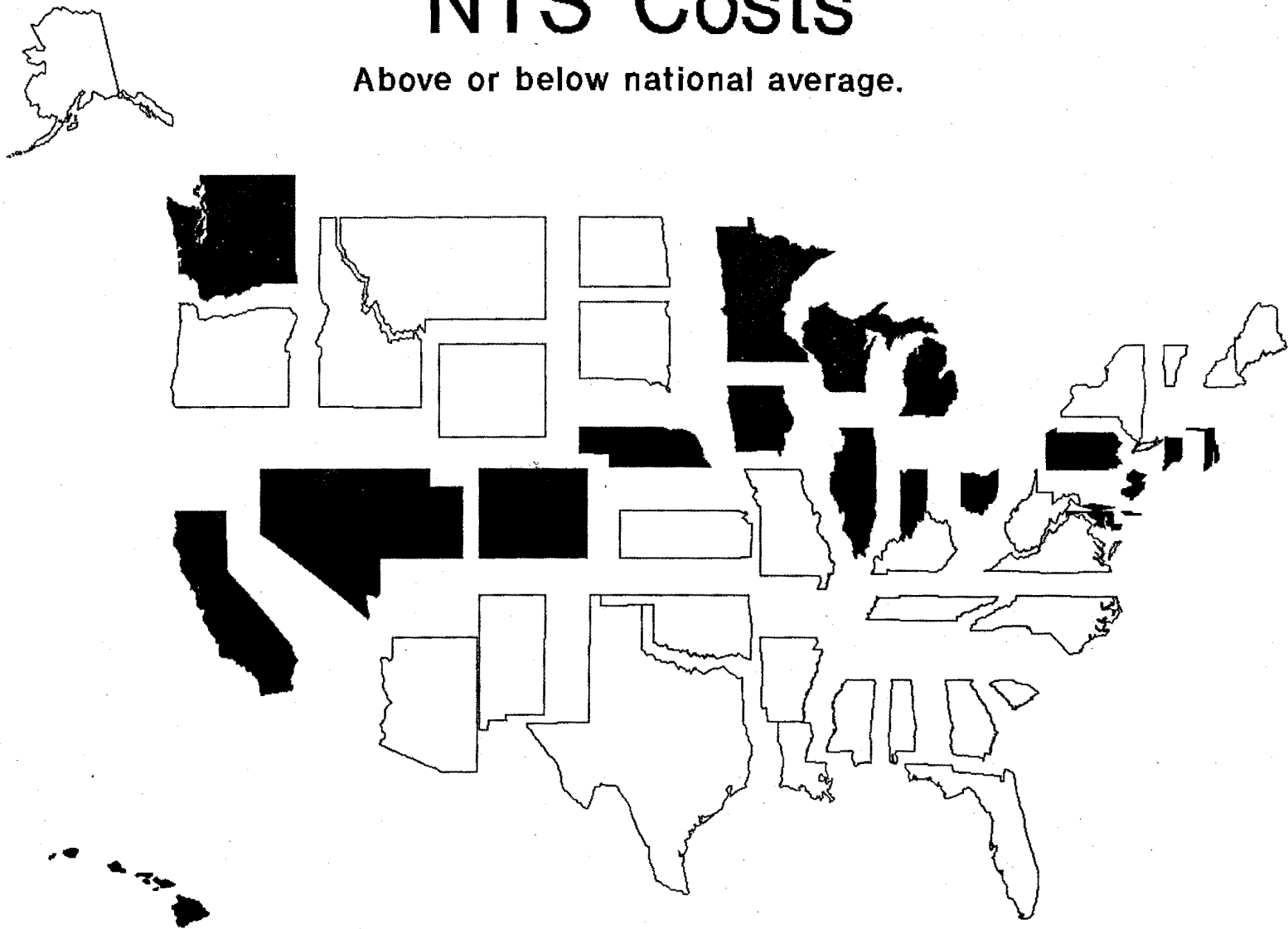
USF3010
 PAGE 2

STATE	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
VIRGIN ISLANDS	18,987,892.28	41,030	462.69	5,015,674	60,580	01.16
VIRGINIA	708,905,924.25	2,966,686	238.95	3,620,710	37,715	00.72
WASHINGTON	503,758,931.95	2,353,104	214.08	10,943,292	113,994	02.19
WEST VIRGINIA	266,110,356.28	753,516	353.15	12,866,259	134,024	02.57
WISCONSIN	492,402,014.73	2,306,640	213.47	2,244,654	23,383	00.44
WYOMING	87,868,141.43	225,386	389.85	4,791,503	49,911	00.95
INDUSTRY TOTAL	28,084,415,358.24	122,773,173	228.75	499,584,240	5,204,034	100.00

TOTAL NUMBER OF STUDY AREA CODES: 1467

NTS Costs

Above or below national average.



Solid = below average cost per loop of the nation (\$228.75)

TABLE 3.3

DATE: 08/19/88
 TIME: 10:20
 PRO: 881

NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

USF3013
 PAGE 1

STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
MAINE								
100002	3 A	BRYANT POND TEL CO	99,570.45	437	227.85	0	0	00.00
100003	3 C	LINCOLNVILLE TEL CO	371,773.63	1,116	333.13	50,826	529	01.90
100004	3 C	CHINA TEL CORP	596,284.70	2,265	263.26	290	3	00.01
100005	3 A	COBBOSEECONTEE TEL	134,922.00	600	224.87	0	0	00.00
100007	3 A	ISLAND TEL CO	19,109.12	32	597.16	7,762	81	00.30
100010	3 C	HAMPDEN TEL CO	446,511.11	2,047	218.12	0	0	00.00
100011	2 C	HARTLAND & ST ALBANS	881,940.27	1,720	512.75	308,339	3,212	12.07
100014	2 C	CONTEL OF MAINE	11,689,868.49	34,360	340.21	1,723,235	17,950	67.47
100015	3 A	COMMUNITY SERVICE	1,495,385.50	6,650	224.87	0	0	00.00
100019	3 A	OXFORD COUNTY TEL	621,765.55	2,765	224.87	0	0	00.00
100020	3 A	PINE TREE TEL & TEL	913,646.81	4,063	224.87	0	0	00.00
100022	3 A	SACO RIVER TEL & TEL	1,146,837.00	5,100	224.87	0	0	00.00
100024	2 C	SOMERSET TEL CO	1,760,851.06	7,790	226.03	0	0	00.00
100025	3 C	STANDISH TEL CO	1,563,765.31	4,489	348.35	251,201	2,617	09.83
100027	3 C	UNION RIVER TEL CO	368,872.44	721	511.61	128,629	1,340	05.03
100029	3 C	UNITY TEL CO	898,062.68	2,948	304.63	79,651	830	03.11
100031	2 C	WARREN TEL CO	192,372.13	1,024	187.86	0	0	00.00
100034	2 C	WEST PENOBSCOT TEL	400,590.59	1,500	267.06	3,897	41	00.15
105111	1 C	NEW ENGLAND TEL-ME	126,448,288.09	502,556	251.61	0	0	00.00
=====								
STATE TOTAL			150,050,416.99	582,183	257.73	2,553,830	26,603	100.00
MASSACHUSETTS								
110036	3 A	GRANBY TEL & TEL -MA	483,695.37	2,151	224.87	0	0	00.00
110037	3 A	RICHMOND TEL CO	189,790.28	844	224.87	0	0	00.00
115112	1 C	NEW ENGLAND TEL-MA	499,576,367.35	3,299,938	151.38	0	0	00.00
=====								
STATE TOTAL			500,249,853.00	3,302,933	151.45	0	0	00.00
NEW HAMPSHIRE								
120D38	3 C	BRETTON WOODS TEL CO	93,006.12	136	683.86	41,833	436	05.57
120039	3 C	GRANITE STATE TEL	1,925,951.34	6,147	313.31	200,806	2,092	26.77
120040	3 A	CHICHESTER TEL CO	212,502.15	945	224.87	0	0	00.00
120041	2 C	CONTEL OF NH	2,597,768.66	8,832	294.13	178,352	1,858	23.77

TABLE 3.3

DATE: 08/19/88
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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT

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STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
120042	3 A	DIXVILLE TEL CO	44,838.56	104	431.14	12,277	128	01.63
120043	3 A	DUNBARTON TEL CO	193,837.94	862	224.87	0	0	00.00
120045	2 C	KEARSARGE TEL CO	1,230,394.72	4,779	257.45	0	0	00.00
120046	2 C	MERIDEN TEL CO	91,688.82	391	234.49	0	0	00.00
120047	3 C	MERRIMAK COUNTY TEL	1,462,485.14	5,370	272.34	32,383	337	04.31
120049	3 C	UNION TEL CO	1,052,699.21	4,824	218.22	0	0	00.00
120050	3 C	WILTON TEL CO - NH	752,138.72	2,133	352.62	126,192	1,315	16.82
125113	1 C	NEW ENGLAND TEL-NH	141,348,706.47	531,315	266.03	158,199	1,648	21.09
STATE TOTAL			151,006,017.89	565,838	266.87	750,042	7,814	100.00
CONNECTICUT								
132454	3 A	THE WOODBURY TEL CO	3,029,898.38	13,474	224.87	0	0	00.00
135200	2 C	SOUTHERN NEW ENGLAND	359,053,056.56	1,736,015	206.82	0	0	00.00
STATE TOTAL			362,082,954.94	1,749,489	206.96	0	0	00.00
VERMONT								
140053	3 A	FRANKLIN TEL CO - VT	128,625.64	572	224.87	0	0	00.00
140058	2 C	LUDLOW TEL CO	650,773.92	3,314	196.37	0	0	00.00
140061	2 C	NORTHFIELD TEL CO	410,900.44	2,438	168.54	0	0	00.00
140062	2 C	PERKINSVILLE TEL CO	170,840.18	683	250.13	0	0	00.00
140064	3 A	SHOREHAM TEL CO	534,938.49	2,021	264.69	2,137	22	00.06
140068	3 C	TOPSHAM TEL CO	261,582.49	934	280.06	10,325	108	00.33
140069	3 C	HAITSFIELD/FAYSTON	1,577,232.21	4,166	378.59	327,642	3,413	10.53
140070	2 C	CONTEL OF VERMONT	10,965,165.05	29,614	370.26	2,144,034	22,334	68.96
145115	1 C	NEW ENGLAND TEL-VT	68,474,333.51	236,540	289.47	624,664	6,507	20.09
STATE TOTAL			83,174,391.97	280,290	296.74	3,108,802	32,384	100.00
NEW YORK								
150071	3 C	ARMSTRONG TEL CO-NY	599,261.03	2,838	211.15	0	0	00.00
150072	2 C	AU SABLE VALLEY TEL	1,271,082.56	5,183	245.24	0	0	00.00
150073	3 A	BERKSHIRE TEL CORP	1,047,894.20	4,660	224.87	0	0	00.00

TABLE 3.3

DATE: 00/19/88
TIME: 10:20
PRD: 881

NATIONAL EXCHANGE CARRIER ASSOCIATION
UNIVERSAL SERVICE FUND
EXPENSE ADJUSTMENT
STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

USF3013
PAGE 3

STUDY AREA CODE	SUB/ TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
150076	3 A	CASSADAGA TEL CORP	255,902.06	1,138	224.87	0	0	00.00
150077	3 C	CHAMPLAIN TEL CO	872,802.50	3,711	235.21	0	0	00.00
150078	3 C	CHAUTAUQUA & ERIE	1,778,583.30	8,413	211.40	0	0	00.00
150079	3 A	CHAZY & WESTPORT	618,617.37	2,751	224.87	0	0	00.00
150081	3 C	CITIZENS HAMMOND NY	511,996.61	741	690.95	231,865	2,415	02.32
150082	2 C	CLYMER TEL CO	249,210.18	721	345.64	38,886	405	00.38
150084	3 C	TACONIC TEL CORP	4,035,953.14	16,837	239.70	0	0	00.00
150085	3 C	CROWN POINT TEL CORP	372,803.45	613	608.16	153,750	1,602	01.54
150088	3 A	DELHI TEL CO	812,905.05	3,615	224.87	0	0	00.00
150089	3 A	DEPOSIT TEL CO	1,332,804.49	5,927	224.87	0	0	00.00
150091	3 C	DUNKIRK & FREDONIA	964,791.45	7,720	124.97	0	0	00.00
150092	2 C	EDWARDS TEL CO	644,256.21	1,421	453.38	191,453	1,994	01.91
150093	3 C	EMPIRE TEL CORP	1,655,229.69	5,534	299.10	129,630	1,350	01.29
150095	3 A	FISHERS ISLAND TEL	191,139.50	850	224.87	0	0	00.00
150096	2 C	CONTEL OF NY, INC	57,053,500.02	177,269	321.84	6,773,780	70,560	67.92
150097	3 C	GERMANTOWN TEL CO	682,072.95	1,523	447.84	198,879	2,072	01.99
150099	3 C	HANCOCK TEL CO	376,320.84	1,242	302.99	32,241	336	00.32
150100	2 C	HIGHLAND TEL CO	8,830,698.79	44,704	197.53	0	0	00.00
150104	3 A	MARGARETVILLE TEL CO	585,111.74	2,602	224.87	0	0	00.00
150105	3 C	MIDDLEBURGH TEL CO	1,446,425.31	3,599	401.89	345,942	3,604	03.46
150106	2 C	ALLTEL NY-FULTON	8,359,810.30	34,760	240.50	0	0	00.00
150107	3 A	NEWPORT TEL CO	481,671.54	2,142	224.87	0	0	00.00
150108	3 C	NICHOLVILLE TEL CO	451,021.21	1,287	350.44	74,037	771	00.74
150109	2 C	ALLTEL NY-JAMESTOWN	7,045,505.49	37,867	186.05	0	0	00.00
150110	3 C	OGDEN TEL CO	2,224,361.46	15,912	139.79	0	0	00.00
150111	3 A	ONEIDA COUNTY RURAL	657,519.88	2,924	224.87	0	0	00.00
150112	3 A	ONTARIO TEL CO	821,450.11	3,653	224.87	0	0	00.00
150113	2 C	ALLTEL NY-RED JACKET	434,235.87	2,287	189.87	0	0	00.00
150114	3 A	ORISKANY FALLS TEL	145,715.76	648	224.87	0	0	00.00
150116	3 A	PATTERSONVILLE TEL	248,706.22	1,106	224.87	0	0	00.00
150118	3 A	PORT BYRON TEL CO	563,299.35	2,505	224.87	0	0	00.00
150119	2 C	RED HOOK TEL CO	3,163,857.62	10,505	301.17	260,275	2,711	02.60
150121	2 C	ROCHESTER TEL CORP	83,124,786.21	423,326	196.36	0	0	00.00
150122	3 C	SENECA-GORHAM TEL	1,452,441.05	7,148	203.19	0	0	00.00
150125	3 A	STATE TEL CO	1,466,602.14	6,522	224.87	0	0	00.00
150120	2 C	SYLVAN LAKE TEL CO	2,500,718.32	12,376	202.06	0	0	00.00
150129	3 A	TOWNSHIP TEL CO	644,477.42	2,866	224.87	0	0	00.00
150131	3 A	TRUMANSBURG HOME TEL	1,031,253.82	4,586	224.87	0	0	00.00
150133	3 C	VERNON TEL CO	494,646.56	2,031	243.54	0	0	00.00
150135	3 C	WARWICK VALLEY-NY	1,212,359.85	9,827	123.37	0	0	00.00
150136	2 C	WESTERN COUNTIES TEL	7,044,392.21	18,224	386.54	1,541,784	16,060	15.46
155130	1 C	NEW YORK TEL CO	2,132,714,190.60	9,050,106	235.65	0	0	00.00

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 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
STATE TOTAL			2,342,472,473.67	9,956,220	235.27	9,972,522	103,880	100.00
NEW JERSEY								
160135	3 C	WARWICK VALLEY-NJ	736,705.82	6,384	115.39	0	0	00.00
160139	2 C	UNITED-SUSSEX TEL CO	30,171,990.99	127,333	236.95	0	0	00.00
165120	1 C	NEW JERSEY BELL	746,684,047.23	4,404,097	169.54	0	0	00.00
STATE TOTAL			777,592,744.05	4,537,814	171.35	0	0	00.00
PENNSYLVANIA								
170145	3 A	THE BENTLEYVILLE TEL	664,940.59	2,957	224.87	0	0	00.00
170149	2 A	BREEZEMOOD TEL CO	715,761.21	3,183	224.87	0	0	00.00
170150	2 A	BROOKVILLE TEL CO	6,086,106.55	27,065	224.87	0	0	00.00
170151	3 A	BUFFALO VALLEY TEL	3,227,783.98	14,354	224.87	0	0	00.00
170152	2 A	CANTON TEL CO	610,971.79	2,717	224.87	0	0	00.00
170156	3 A	CITIZENS - KECKSBURG	995,274.62	4,426	224.87	0	0	00.00
170157	2 A	CITIZENS UTIL OF PA	711,488.68	3,164	224.87	0	0	00.00
170161	2 A	C-TEC CORPORATION	35,525,187.47	157,981	224.87	0	0	00.00
170162	3 A	THE CONESTOGA TEL	7,853,359.88	34,924	224.87	0	0	00.00
170165	3 A	DENVER & EPHRATA	7,640,183.12	33,976	224.87	0	0	00.00
170168	2 A	ENTERPRISE TEL CO	3,460,299.56	15,388	224.87	0	0	00.00
170169	2 C	GTE NORTH INC. - PA	80,979,105.62	385,666	209.97	0	0	00.00
170170	2 C	CONTEL OF PA	10,683,037.06	43,668	244.64	0	0	00.00
170171	3 A	HICKORY TEL CO	239,936.29	1,067	224.87	0	0	00.00
170175	3 A	IRONTON TEL CO	541,711.83	2,409	224.87	0	0	00.00
170176	2 A	ALLTEL PENNSYLVANIA	28,004,410.32	124,536	224.87	0	0	00.00
170177	3 C	LACKAWAXEN TEL CO	760,821.11	2,007	379.08	158,566	1,652	08.88
170178	3 A	LAKEWOOD RURAL TEL	291,206.65	1,295	224.87	0	0	00.00
170179	3 A	LAUREL HIGHLAND TEL	987,853.91	4,393	224.87	0	0	00.00
170183	2 C	MAHANAY & MAHANTONGO	1,035,831.33	3,362	308.09	98,420	1,025	05.51
170185	3 A	MARIANNA - SCENERY	523,947.10	2,330	224.87	0	0	00.00
170189	3 C	ARMSTRONG TEL CO-PA	388,761.37	1,290	301.36	32,120	335	01.80
170190	2 A	MURRAYSVILLE TEL CO	5,182,803.76	23,048	224.87	0	0	00.00
170191	3 A	NORTH EASTERN PA TEL	1,536,086.97	6,831	224.87	0	0	00.00
170192	3 C	NORTH PENN TEL CO	963,130.71	3,652	263.72	1,584	17	00.09
170193	3 A	NORTH PITTSBURGH TEL	8,279,938.27	36,821	224.87	0	0	00.00
170194	2 C	OSWAYO RIVER TEL CO	484,828.18	1,477	328.25	62,583	652	03.50
170195	3 A	OTTO TEL CO	104,114.81	463	224.87	0	0	00.00
170196	3 A	PALMERTON TEL CO	1,814,251.16	8,068	224.87	0	0	00.00
170197	3 A	PENNSYLVANIA TEL CO	208,679.36	928	224.87	0	0	00.00
170200	3 A	PYMATUNING IND TEL	383,403.35	1,705	224.87	0	0	00.00

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STUDY AREA CODE	SUB/ TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
170201	2 C	QUAKER STATE TEL CO	9,181,703.31	26,952	340.66	1,359,590	14,162	76.14
170204	3 A	SOUTH CANAAN TEL CO	439,395.98	1,954	224.87	0	0	00.00
170206	2 C	SUGAR VALLEY TEL CO	284,428.29	723	393.40	64,886	676	03.63
170209	2 C	UTC OF PENNSYLVANIA	53,479,503.46	267,022	200.28	0	0	00.00
170210	3 A	VENUS TEL CORP	233,190.19	1,037	224.07	0	0	00.00
170215	3 A	YUKON - WALTZ TEL CO	217,449.29	967	224.07	0	0	00.00
170277	3 A	NEXT SIDE TEL CO-PA	18,651.77	31	601.67	7,624	79	00.42
175000	1 C	BELL OF PENNSYLVANIA	784,232,642.88	4,745,879	165.24	0	0	00.00
STATE TOTAL			1,058,972,181.82	5,999,716	176.50	1,785,373	18,598	100.00
MARYLAND								
180216	3 C	ARMSTRONG TEL OF MD	864,464.50	3,906	221.31	0	0	00.00
185030	1 C	C & P TEL CO OF MD	470,010,136.01	2,522,006	186.36	0	0	00.00
STATE TOTAL			470,874,600.51	2,525,912	186.41	0	0	00.00
VIRGINIA								
190217	2 C	AMELIA TEL CORP	985,535.00	2,080	473.81	312,113	3,251	08.61
190219	3 A	BUGGS ISLAND COOP	462,557.59	2,057	224.87	0	0	00.00
190220	3 A	BURKE'S GARDEN TEL	40,360.61	89	453.49	11,998	125	00.33
190225	3 A	CITIZENS TEL COOP	1,043,171.93	4,639	224.87	0	0	00.00
190226	3 A	CLIFTON FORGE WAYNES	5,559,236.14	24,722	224.87	0	0	00.00
190233	2 C	CONTEL OF VIRGINIA	84,483,145.23	293,209	288.13	735,001	7,656	20.29
190236	3 A	NORTH RIVER TEL COOP	153,811.08	684	224.87	0	0	00.00
190237	3 A	HIGHLAND TEL COOP	257,671.92	934	275.88	7,781	81	00.21
190238	3 A	MT GROVE-HILLIAMSVIL	369,105.80	1,164	317.17	40,937	426	01.12
190239	3 A	NEH HOPE TEL CO - VA	147,739.59	657	224.87	0	0	00.00
190243	3 A	PEMBROKE TEL COOP	341,577.53	1,519	224.87	0	0	00.00
190244	3 A	PEOPLES MUTUAL TEL	1,341,124.68	5,964	224.87	0	0	00.00
190248	3 A	SCOTT COUNTY COOP	1,077,127.30	4,790	224.87	0	0	00.00
190249	3 C	ROANOKE & BOTETOURT	1,871,361.77	5,851	319.83	215,933	2,249	05.96
190250	3 A	SHELANDOAH TEL CO	3,355,060.40	14,920	224.87	0	0	00.00
190253	3 A	VIRGINIA HOT SPRINGS	373,284.20	1,660	224.87	0	0	00.00
190254	2 C	CENTEL OF VIRGINIA	48,223,599.96	194,053	248.50	0	0	00.00
190479	2 C	GTE SOUTH INC. - VA	9,195,171.36	28,237	325.64	1,148,550	11,964	31.72
190567	2 C	UNITED INTER-MT-VA	19,866,773.09	68,806	288.73	1,148,397	11,963	31.71
195040	1 C	C & P TEL CO OF VA	529,758,428.96	2,310,651	229.26	0	0	00.00

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
STATE TOTAL			708,905,924.25	2,966,686	238.95	3,620,710	37,715	100.00
WEST VIRGINIA								
200256	3 A	ARMSTRONG OF WV	521,248.66	2,318	224.87	0	0	00.00
200257	3 A	SPRUCE KNOB SENECA	171,575.81	763	224.87	0	0	00.00
20D259	3 C	HARDY TEL CO	1,058,693.77	1,786	592.77	427,344	4,452	03.32
200267	3 A	ARMSTRONG TEL. CO.	809,981.74	3,602	224.87	0	0	00.00
20D270	2 C	MOUNTAIN STATE TEL	6,431,338.71	14,719	436.94	1,801,633	18,767	14.00
200276	3 A	WAR TEL CO	364,289.40	1,620	224.87	0	0	00.00
200277	3 A	WEST SIDE TEL-WV	375,083.16	1,668	224.87	0	0	00.00
200278	2 C	CONTEL OF WV	9,109,492.97	21,727	419.27	2,371,488	24,703	18.43
200479	2 C	GTE SOUTH INC. - WV	19,976,800.12	61,470	324.98	2,473,944	25,770	19.22
205050	1 C	C & P TEL CO OF WV	227,291,851.92	643,843	353.02	5,791,850	60,332	45.01
STATE TOTAL			266,110,356.28	753,516	353.15	12,866,259	134,024	100.00
FLORIDA								
210291	3 C	FLORALA TEL CO	1,013,819.91	2,601	389.78	226,369	2,358	00.82
210318	3 C	SOUTHLAND TEL-FL	1,065,259.68	2,760	385.96	232,300	2,420	00.84
210328	2 C	GTE FLORIDA INC.	411,437,112.26	1,495,957	275.03	1,790,286	18,649	06.53
210329	3 C	GULF TEL CO	1,953,064.73	6,708	291.15	122,467	1,276	00.44
210330	3 C	VISTA-UNITED TELCOM	1,430,161.46	6,986	204.71	0	0	00.00
210331	3 C	INDIANTOWN SYSTEM	1,076,563.01	1,802	597.42	437,470	4,557	01.59
210335	3 C	NORTHEAST FLORIDA	1,814,697.10	4,581	396.13	420,544	4,381	01.53
210336	2 C	ALLTEL FLORIDA INC.	17,854,943.25	43,513	410.33	4,457,988	46,437	16.27
210338	2 C	QUINCY TEL CO-FL DIV	2,450,462.14	7,627	321.28	288,665	3,007	01.05
210339	3 C	ST JOSEPH TEL & TEL	6,571,430.47	19,472	337.48	941,887	9,811	03.43
210340	2 C	CENTEL OF FLORIDA	46,605,289.14	220,686	211.18	0	0	00.00
210341	2 C	UTC OF FLORIDA	241,357,044.34	851,230	283.53	1,743,106	18,157	06.36
215191	1 C	SOUTHERN BELL-FL	1,216,402,384.85	3,987,931	305.02	16,732,361	174,295	61.08
STATE TOTAL			1,951,032,232.40	6,651,854	293.30	27,393,443	285,348	100.00

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
GEORGIA								
220281	2 C	CONTEL OF SOUTH - GA	19,427,283.99	57,262	339.27	2,836,466	29,547	11.98
220324	3 C	VALLEY TEL CO - GA	585,529.74	3,959	147.89	0	0	00.00
220338	2 C	QUINCY TEL CO-GA DIV	204,665.05	533	383.98	44,073	459	00.18
220344	3 C	ALMA TEL CO	1,778,082.75	5,057	351.60	295,350	3,077	01.24
220346	3 A	BLUE RIDGE TEL CO	1,121,426.69	4,987	224.87	0	0	00.00
220347	3 C	BRANTLEY TEL CO	955,741.13	2,754	347.03	151,406	1,577	00.63
220348	3 A	BULLOCH COUNTY RURAL	1,105,236.05	4,915	224.87	0	0	00.00
220351	3 C	CAMDEN TEL & TEL CO	2,977,860.11	8,918	333.91	410,739	4,279	01.73
220354	3 A	CHICKAMAUGA TEL COOP	964,692.30	4,290	224.87	0	0	00.00
220355	3 C	CITIZENS TEL CO - GA	1,384,267.34	3,624	381.97	294,175	3,064	01.24
220356	3 C	COASTAL UTILITIES	4,162,631.02	18,942	219.75	0	0	00.00
220357	2 A	ALLTEL GEORGIA INC.	7,680,884.59	34,157	224.87	0	0	00.00
220358	3 C	DARIEN TEL CO	1,157,195.36	3,324	348.13	185,460	1,932	00.78
220360	3 C	ELLIJAY TEL CO	1,528,781.54	6,081	251.40	0	0	00.00
220362	3 A	FAIRMOUNT TEL CO	313,693.65	1,395	224.87	0	0	00.00
220364	3 A	GEORGIA TEL CORP	1,206,427.55	5,365	224.87	0	0	00.00
220365	3 A	GLENWOOD TEL CO	138,744.79	617	224.87	0	0	00.00
220368	3 A	HART COUNTY TEL CO	1,373,056.22	6,106	224.87	0	0	00.00
220369	3 A	HAWKINSVILLE TEL CO	749,041.97	3,331	224.87	0	0	00.00
220371	3 C	INTERSTATE TEL CO	1,045,173.95	9,180	113.85	0	0	00.00
220375	3 A	NELSON-BALL GROUND	722,507.31	3,213	224.87	0	0	00.00
220376	3 A	PEMBROKE TEL CO	558,577.08	2,484	224.87	0	0	00.00
220377	3 C	PINELAND TEL COOP	2,223,772.33	8,294	268.11	27,265	284	00.11
220378	3 A	PLANTERS RURAL COOP	1,114,905.46	4,958	224.87	0	0	00.00
220379	3 C	PLANT TEL. CO.	2,884,263.85	6,801	424.09	766,910	7,989	03.24
220380	3 A	PROGRESSIVE RURAL	743,869.96	3,308	224.87	0	0	00.00
220381	3 C	PUBLIC SERVICE TEL	3,011,099.44	7,072	425.77	806,433	8,400	03.40
220382	3 A	RINGGOLD TEL CO	1,628,733.41	7,243	224.87	0	0	00.00
220386	3 C	STANDARD TEL CO	11,185,054.35	30,551	366.11	2,116,554	22,047	08.94
220387	3 A	STATESBORO TEL CO	2,746,112.44	12,212	224.87	0	0	00.00
220389	3 A	TRENTON TEL CO	944,229.13	4,199	224.87	0	0	00.00
220392	3 C	HAVERLY HALL TEL CO	267,595.38	854	313.34	27,909	291	00.11
220394	3 C	HILKES TEL & ELC CO	1,328,002.15	8,451	157.14	0	0	00.00
220395	3 A	WILKINSON COUNTY TEL	738,473.08	3,284	224.87	0	0	00.00
220479	2 C	GTE SOUTH INC.- GA	66,595,491.53	183,717	362.48	12,229,006	127,386	51.68
225192	1 C	SOUTHERN BELL-GA	690,764,978.23	2,494,027	276.96	3,468,568	36,131	14.65
STATE TOTAL			837,318,001.00	2,965,465	282.35	23,660,314	246,463	100.00
NORTH CAROLINA								
230468	3 C	ATLANTIC MEMBERSHIP	3,818,260.82	17,947	212.75	0	0	00.00

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
230469	2 C	BARNARDSVILLE TEL CO	220,440.41	816	270.14	3,759	39	00.03
230470	2 C	CAROLINA TEL & TEL	160,880,909.45	713,635	225.43	0	0	00.00
230471	2 C	CENDEL OF NC	33,144,916.58	179,565	184.58	0	0	00.00
230473	3 C	CITIZENS TEL CO	3,710,352.87	12,873	288.22	210,587	2,194	01.69
230474	3 C	CONCORD TEL CO	8,939,241.37	71,240	125.48	0	0	00.00
230476	2 C	ALLTEL CAROLINA-NO	22,552,934.12	84,175	267.92	266,319	2,774	02.14
230478	3 A	ELLERBE TEL CO	347,424.15	1,545	224.87	0	0	00.00
230479	2 C	GTE SOUTH INC - NC	27,242,279.17	127,726	213.28	0	0	00.00
230481	2 C	HEINS TEL CO	4,605,604.76	21,834	210.93	0	0	00.00
230483	3 A	LEXINGTON TEL CO	4,964,230.12	22,076	224.87	0	0	00.00
230485	3 A	MEBANE HOME TEL CO	1,243,755.97	5,531	224.87	0	0	00.00
230491	2 A	NORTH STATE TEL CO	17,425,850.91	77,493	224.87	0	0	00.00
230494	3 A	PINEVILLE TEL CO	253,203.62	1,126	224.87	0	0	00.00
230495	3 A	RANOOLPH TEL CO	663,591.37	2,951	224.87	0	0	00.00
230496	3 A	RANOOLPH MEMBERSHIP	1,291,653.28	5,744	224.87	0	0	00.00
230497	3 A	PIEDMONT MEMBERSHIP	502,359.58	2,234	224.87	0	0	00.00
230498	3 A	SALUDA MOUNTAIN TEL	209,353.97	931	224.87	0	0	00.00
230499	2 A	SANDHILL TEL CO	792,666.75	3,525	224.87	0	0	00.00
230500	2 A	SERVICE TEL CO	213,176.76	948	224.87	0	0	00.00
230501	3 A	SKYLINE MEMBERSHIP	4,784,109.25	21,275	224.87	0	0	00.00
230502	3 C	STAR MEMBERSHIP CORP	2,920,950.00	11,643	250.87	0	0	00.00
230503	3 A	SURRY MEMBERSHIP	1,986,051.84	8,832	224.87	0	0	00.00
230505	3 A	TRI COUNTY TEL MEMBR	565,098.31	2,513	224.87	0	0	00.00
230509	2 C	CONTEL OF NC	32,449,400.54	73,044	444.24	9,340,638	97,298	75.33
230510	3 C	WILKES MEMBERSHIP	2,241,826.84	7,010	319.80	258,524	2,693	02.08
230511	3 A	YADKIN VALLEY TEL	3,983,796.92	17,716	224.87	0	0	00.00
235193	1 C	SOUTHERN BELL-NC	420,933,904.62	1,511,988	278.39	2,319,011	24,156	18.70
STATE TOTAL			762,887,344.41	3,007,936	253.62	12,398,838	129,154	100.00
SOUTH CAROLINA								
240479	2 C	GTE SOUTH INC. - SC	34,292,134.33	123,856	276.87	1,111,592	11,579	12.74
240506	2 C	UTC OF THE CAROLINAS	15,568,138.16	61,318	253.89	0	0	00.00
240512	3 C	BLUFFTON TEL & APPL	775,893.95	2,424	320.08	89,852	936	01.03
240515	3 A	CHESNEE TEL CO	761,409.82	3,386	224.87	0	0	00.00
240516	3 A	CHESTER TEL CO - SC	2,567,790.53	11,419	224.87	0	0	00.00
240517	2 A	ALLTEL SO CAROLINA	5,269,153.84	23,432	224.87	0	0	00.00
240520	3 C	FARMERS TEL COOP	10,110,978.88	33,676	300.24	813,793	8,477	09.32
240521	3 A	FORT MILL TEL CO	1,904,648.90	8,470	224.87	0	0	00.00
240523	3 C	HARGRAY TEL CO	8,514,909.74	29,435	289.27	501,612	5,225	05.75
240524	3 A	HEATH SPRINGS TEL CO	225,544.61	1,003	224.87	0	0	00.00
240526	2 C	CONTEL OF SC	3,465,880.03	12,183	284.48	169,604	1,767	01.94

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
240527	3 A	HOME TEL CO	2,800,980.72	12,456	224.87	0	0	00.00
240528	3 C	HORRY TEL COOP	8,229,134.81	37,127	221.64	0	0	00.00
240531	3 A	LANCASTER TEL CO	3,450,405.28	15,344	224.87	0	0	00.00
240532	3 A	LOCKHART TEL CO INC	137,845.31	613	224.87	0	0	00.00
240533	2 C	MCCLELLANVILLE TEL	351,071.78	1,124	312.34	36,002	375	00.41
240535	3 A	NORWAY TEL CO	131,773.82	586	224.87	0	0	00.00
240536	3 A	PALMETTO RURAL COOP	1,921,064.41	8,543	224.87	0	0	00.00
240538	3 A	PIEDMONT RURAL COOP	1,868,669.70	8,310	224.87	0	0	00.00
240539	3 C	PONO BRANCH TEL CO	1,986,488.24	7,184	276.51	62,841	655	00.72
240540	3 A	RIDGE TEL CO	278,613.93	1,239	224.87	0	0	00.00
240541	3 A	RIDGEWAY TEL CO	252,753.88	1,124	224.87	0	0	00.00
240542	3 A	ROCK HILL TEL CO	6,901,934.91	30,693	224.87	0	0	00.00
240543	2 A	ST MATTHEWS TEL CO	758,486.51	3,373	224.87	0	0	00.00
240544	2 A	ST STEPHEN TEL CO	742,520.74	3,302	224.87	0	0	00.00
240546	3 A	SANDHILL TEL COOP-SC	2,109,055.73	9,379	224.87	0	0	00.00
240550	3 A	WEST CAROLINA RURAL	1,746,565.29	7,767	224.87	0	0	00.00
240551	2 C	HILLISTON TEL CO	1,123,664.91	3,363	334.12	155,350	1,618	01.78
245194	1 C	SOUTHERN BELL-SC	314,720,867.49	976,578	322.26	5,782,074	60,230	66.28
STATE TOTAL			432,968,380.30	1,438,707	300.94	8,722,720	90,862	100.00
ALABAMA								
250281	2 C	CONTEL OF THE SOUTH	29,639,230.83	72,932	406.39	7,256,505	75,589	46.57
250282	3 A	BLOUNTSVILLE TEL CO	425,454.04	1,892	224.87	0	0	00.00
250283	3 A	BRINDLEE MOUNTAIN	1,920,164.93	8,539	224.87	0	0	00.00
250284	3 C	BUTLER TEL CO	1,147,744.04	3,147	364.71	214,717	2,237	01.37
250285	3 A	CASTLEBERRY TEL CO	156,284.65	695	224.87	0	0	00.00
250286	3 A	NATIONAL OF ALABAMA	391,498.67	1,741	224.87	0	0	00.00
250290	3 A	FARMERS TEL COOP -AL	3,004,937.81	13,363	224.87	0	0	00.00
250293	2 C	GTE SOUTH INC. - AL	37,195,791.33	112,805	329.73	4,889,011	50,927	31.37
250295	3 A	GRACEBA TOTAL COMM	752,639.89	3,347	224.87	0	0	00.00
250296	3 A	GOSHEN TEL CO	142,567.58	634	224.87	0	0	00.00
250297	3 C	GROVE HILL TEL CORP	446,216.63	1,629	273.92	11,496	120	00.07
250298	3 C	GULF TEL CO - AL	5,979,943.15	22,107	270.50	106,873	1,113	00.68
250299	3 A	HAYNEVILLE TEL CO	317,516.44	1,412	224.87	0	0	00.00
250300	3 C	HOPPER TEL. CO INC	1,020,447.93	2,593	393.53	232,985	2,427	01.49
250301	3 A	LAMAR COUNTY TEL CO	386,326.66	1,718	224.87	0	0	00.00
250302	2 A	ALLTEL ALABAMA	3,511,794.79	15,617	224.87	0	0	00.00
250304	3 C	MILLRY TEL CO	2,356,010.30	4,646	507.10	813,186	8,471	05.21
250305	3 A	MON-CRE TEL COOP	476,499.53	2,119	224.87	0	0	00.00
250306	3 C	MONROEVILLE TEL CO	3,263,597.36	9,240	353.20	550,675	5,736	03.53
250307	3 A	HOUNDVILLE TEL CO	244,208.82	1,086	224.87	0	0	00.00

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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

USF3013
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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
250308	3 A	NEW HOPE TEL COOP	902,178.44	4,012	224.87	0	0	00.00
250311	2 A	OAKMAN TEL CO (TDS)	444,118.25	1,975	224.87	0	0	00.00
250312	3 A	ONEONTA TEL CO	1,077,127.30	4,790	224.87	0	0	00.00
250314	2 C	PEOPLES TEL CO	3,640,640.77	9,446	385.41	791,214	8,242	05.07
250315	3 A	PINE BELT TEL CO	406,789.83	1,809	224.87	0	0	00.00
250316	3 C	RAGLAND TEL CO	278,751.35	961	290.06	16,863	176	00.10
250317	3 A	ROANOKE TEL CO	821,450.11	3,653	224.87	0	0	00.00
250318	3 C	SOUTHLAND TEL CO-AL	2,838,365.14	8,630	328.89	369,315	3,847	02.37
250322	3 A	UNION SPRINGS TEL CO	793,116.49	3,527	224.87	0	0	00.00
250461	3 C	SOUTHEAST MS TEL CO	925,711.88	1,782	519.47	328,434	3,421	02.10
255181	1 C	SO CENTRAL BELL-AL	331,459,020.03	1,341,736	247.03	0	0	00.00
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STATE TOTAL			436,366,145.04	1,663,583	262.30	15,581,274	162,306	100.00
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KENTUCKY			-----	-----	-----	-----	-----	-----
260396	3 A	BALLARD RURAL COOP	1,135,818.37	5,051	224.87	0	0	00.00
260398	3 A	BRANDENBURG TEL CO	3,700,010.98	16,454	224.87	0	0	00.00
260401	3 A	DUO COUNTY TEL COOP	1,761,856.45	7,835	224.87	0	0	00.00
260402	2 A	ALLTEL KENTUCKY	3,203,273.15	14,245	224.87	0	0	00.00
260406	3 A	FOOTHILLS RURAL COOP	2,328,079.11	10,353	224.87	0	0	00.00
260407	2 C	GTE SOUTH INC. - KY	91,711,071.57	293,933	312.01	1,438,728	14,987	18.07
260408	3 A	HAROLD TEL CO	975,710.93	4,339	224.87	0	0	00.00
260410	2 C	CONTEL OF KENTUCKY	21,859,757.75	51,873	421.40	5,745,161	59,845	72.15
260411	3 A	LESLIE COUNTY TEL CO	1,293,002.50	5,750	224.87	0	0	00.00
260412	3 A	LEWISPORT TEL CO	225,544.61	1,003	224.87	0	0	00.00
260413	3 A	LOGAN TEL. COOP. INC	1,117,603.90	4,970	224.87	0	0	00.00
260414	3 A	MOUNTAIN RURAL COOP	2,153,130.25	9,575	224.87	0	0	00.00
260415	3 A	PEOPLES RURAL COOP	1,128,397.66	5,018	224.87	0	0	00.00
260417	3 A	SALEM TEL CO	364,064.53	1,619	224.87	0	0	00.00
260418	3 A	SOUTH CENTRAL RURAL	4,114,671.26	18,298	224.87	0	0	00.00
260419	3 A	THACKER/GRIGSBY TEL	1,267,817.06	5,638	224.87	0	0	00.00
260421	3 A	WEST KENTUCKY RURAL	2,911,167.02	12,946	224.87	0	0	00.00
265061	2 C	CINCINNATI BELL-KY	30,902,102.19	128,716	240.87	0	0	00.00
265182	1 C	SO CENTRAL BELL-KY	234,717,076.62	862,672	272.08	777,914	8,103	09.77
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STATE TOTAL			406,870,155.92	1,460,288	278.62	7,961,803	82,935	100.00
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LOUISIANA			-----	-----	-----	-----	-----	-----

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TABLE 3.3

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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT

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STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
270422	2 C	ATHENS TEL CO	202,766.10	277	732.00	95,206	992	00.51
270423	2 C	CENTRAL LOUISIANA	5,952,859.33	12,230	486.74	1,953,765	20,352	10.49
270424	2 C	COASTAL TEL & ELECTR	3,193,053.12	9,141	349.31	518,106	5,397	02.78
270425	3 C	CAMERON TEL CO - LA	3,124,363.62	5,501	567.96	1,213,888	12,645	06.51
270426	3 A	CAMPTI-PLEASANT HILL	398,072.40	1,749	227.60	0	0	00.00
270427	3 A	CHATHAM TEL CO	280,412.89	1,247	224.87	0	0	00.00
270428	3 A	DELCAMBRE TEL CO	228,692.79	1,017	224.87	0	0	00.00
270429	3 C	EAST ASCENSION TEL	6,644,290.82	19,877	334.27	920,004	9,583	04.94
270430	3 C	ELIZABETH TEL CO	1,407,516.99	2,266	621.14	590,427	6,150	03.17
270431	2 C	CADDOAN TEL CO	2,688,735.58	7,649	351.51	446,161	4,648	02.39
270432	3 A	KAPLAN TEL CO	985,830.08	4,384	224.87	0	0	00.00
270433	3 C	LAFORCHE TEL CO	4,480,257.38	10,886	411.56	1,125,251	11,721	06.04
270434	2 C	EVANGELINE TEL CO	8,740,360.84	24,736	353.34	1,476,970	15,385	07.93
270435	3 C	NORTHEAST LOUISIANA	488,189.42	814	599.74	199,024	2,073	01.06
270436	2 C	NORTHWEST LOUISIANA	337,075.21	982	343.25	51,195	533	00.27
270437	2 C	PLAIN DEALING TEL CO	816,798.96	1,449	563.69	315,116	3,283	01.69
270438	3 A	RESERVE TEL CO	852,931.91	3,793	224.87	0	0	00.00
270439	3 A	RINGGOLD TEL CO	339,328.83	1,509	224.87	0	0	00.00
270440	2 C	CENTURY TEL CO	969,125.15	1,371	706.87	445,368	4,639	02.39
270441	3 A	STAR TEL CO	934,784.59	4,157	224.87	0	0	00.00
270442	2 C	LOUISIANA WESTERN	2,183,496.90	2,909	750.60	1,040,394	10,837	05.58
270443	2 C	UTC OF LOUISIANA	1,504,503.52	2,401	626.61	635,453	6,619	03.41
275183	1 C	SO CENTRAL BELL-LA	527,714,385.85	1,717,357	307.28	7,593,723	79,101	40.78
STATE TOTAL			574,467,832.34	1,837,702	312.60	18,620,051	193,958	100.00
MISSISSIPPI								
280446	3 C	BAY SPRINGS TEL CO	3,868,836.01	8,062	479.88	1,246,501	12,984	13.00
280447	3 A	BRUCE TEL CO - MS	566,672.40	2,520	224.87	0	0	00.00
280448	2 A	CALHOUN CITY TEL CO	700,470.05	3,115	224.87	0	0	00.00
280449	2 A	MYRTLE TEL CO	120,755.19	537	224.87	0	0	00.00
280451	3 A	DECATUR TEL CO -MS	316,841.83	1,409	224.87	0	0	00.00
280452	3 C	DELTA TEL CO	713,357.08	2,886	247.17	0	0	00.00
280453	2 A	ALLTEL MISSISSIPPI	1,692,596.49	7,527	224.87	0	0	00.00
280454	3 C	FRANKLIN TEL CO - MS	2,464,483.91	5,941	414.82	628,672	6,549	06.55
280455	3 A	FULTON TEL CO	1,385,199.20	6,160	224.87	0	0	00.00
280456	3 A	GEORGETOWN TEL CO	62,987.22	177	355.86	10,901	114	00.11
280457	3 A	LAKESIDE TEL. CO.	90,434.76	348	259.87	0	0	00.00
280458	2 C	HOME TEL CO-OLIVE BR	3,762,639.08	6,913	544.28	1,402,695	14,611	14.63
280459	3 C	HUGHES TEL CO	1,751,127.27	4,951	353.69	296,883	3,093	03.09
280460	3 A	MID-SOUTH TEL CO	930,287.19	4,137	224.87	0	0	00.00
280462	3 A	MOUND BAYOU TEL & CO	182,594.44	812	224.87	0	0	00.00

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TABLE 3.3

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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
280464	3 C	NOXAPATER TEL CO	293,087.69	838	349.74	47,773	498	00.49
280465	3 A	SHERHOOD TEL CO	88,644.60	333	266.20	679	7	00.00
280466	3 A	SLEDGE TEL CO	97,227.88	412	235.99	0	0	00.00
280467	3 A	SMITHVILLE TEL CO	184,160.53	819	224.87	0	0	00.00
285184	1 C	SO CENTRAL BELL-MS	290,490,052.05	877,970	330.86	5,953,295	62,014	62.09
=====								
STATE TOTAL			309,762,462.91	935,867	330.98	9,587,399	99,870	100.00
TENNESSEE								
290280	3 A	ARDMORE TEL CO	1,333,029.36	5,928	224.87	0	0	00.00
290479	2 C	GTE SOUTH INC. - TN	14,330,846.82	46,903	305.54	1,295,009	13,490	48.15
290552	2 C	ADAMSVILLE TEL CO	1,967,674.11	5,376	366.01	372,042	3,875	13.83
290553	3 A	BEN LOHAND RURAL	4,793,104.05	21,315	224.87	0	0	00.00
290554	3 A	BLEDSOE TEL COOP	1,447,263.32	6,436	224.87	0	0	00.00
290557	2 A	CLAIBORNE TEL CO	1,165,950.95	5,185	224.87	0	0	00.00
290559	2 A	CONCORD TEL EXCHANGE	2,035,523.24	9,052	224.87	0	0	00.00
290561	3 A	CROCKETT TEL CO	817,852.19	3,637	224.87	0	0	00.00
290562	3 A	DEKALB TEL COOP	2,742,064.78	12,194	224.87	0	0	00.00
290565	3 A	HIGHLAND TEL COOP-TN	3,505,273.56	15,588	224.87	0	0	00.00
290566	3 A	HUMPHREYS COUNTY TEL	269,844.00	1,200	224.87	0	0	00.00
290567	2 C	UNITED INTER-MT-TN	35,935,336.21	157,662	227.92	0	0	00.00
290570	3 A	LORETTO TEL CO	970,763.79	4,317	224.87	0	0	00.00
290571	3 C	HILLINGTON TEL CO	2,961,191.47	15,869	186.60	0	0	00.00
290573	3 A	NORTH CENTRAL COOP	2,907,569.10	12,930	224.87	0	0	00.00
290574	3 A	DOLTEMAH-COLLEGE DALE	1,010,790.65	4,495	224.87	0	0	00.00
290575	2 C	TENNESSEE TEL CO	9,867,724.80	31,532	312.94	1,022,279	10,649	38.01
290576	3 A	PEOPLES TEL CO	689,226.55	3,065	224.87	0	0	00.00
290577	2 A	ALLTEL TENNESSEE	2,932,754.54	13,042	224.87	0	0	00.00
290578	2 A	TELLICO TEL CO	1,146,387.26	5,098	224.87	0	0	00.00
290579	3 C	THIN LAKES TEL COOP	5,183,905.39	22,631	229.06	0	0	00.00
290581	3 A	UTC OF TN	1,496,284.98	6,654	224.87	0	0	00.00
290583	3 A	WEST TENNESSEE TEL	836,966.14	3,722	224.87	0	0	00.00
290584	3 A	YORKVILLE TEL COOP	402,292.43	1,789	224.87	0	0	00.00
295185	1 C	SO. CENTRAL BELL -TN	420,041,371.66	1,816,175	231.27	0	0	00.00
=====								
STATE TOTAL			520,790,991.38	2,231,795	233.35	2,689,330	28,014	100.00
OHIO								

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NATIONAL EXCHANGE CARRIER ASSOCIATION
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 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
300585	2 A	ARCADIA TEL CO	154,485.69	687	224.87	0	0	00.00
300586	3 A	THE ARTHUR MUTUAL	216,324.94	962	224.87	0	0	00.00
300588	3 A	AYERSVILLE TEL CO	221,721.82	986	224.87	0	0	00.00
300589	3 A	BASCOM MUTUAL TEL CO	113,109.61	503	224.87	0	0	00.00
300590	3 A	BENTON RIDGE TEL CO	266,817.45	1,005	265.49	1,585	17	00.21
300591	3 A	BUCKLAND MUTUAL TEL	148,189.33	659	224.87	0	0	00.00
300594	3 A	THE CHAMPAIGN TEL CO	1,877,889.37	8,351	224.87	0	0	00.00
300597	3 C	THE CHILLICOTHE TEL	6,913,920.19	23,807	290.41	423,345	4,410	55.56
300598	3 A	MCCLURE TEL CO	146,615.24	652	224.87	0	0	00.00
300604	3 A	COLUMBUS GROVE TEL	319,540.27	1,421	224.87	0	0	00.00
300606	3 A	CONNEAUT TEL CO	1,272,764.20	5,660	224.87	0	0	00.00
300607	2 C	CONTEL OF OHIO	599,685.07	1,963	305.49	54,135	564	07.10
300609	3 A	DOYLESTOWN TEL CO	664,265.98	2,954	224.87	0	0	00.00
300611	2 A	ELYRIA TEL CO	9,023,808.23	40,129	224.87	0	0	00.00
300612	3 A	FARMERS MUTUAL TEL	94,506.24	384	246.11	0	0	00.00
300613	2 C	FAYETTEVILLE TEL CO	493,591.76	1,139	433.35	136,357	1,420	17.89
300614	3 A	FORT JENNINGS TEL CO	107,038.12	476	224.87	0	0	00.00
300615	2 C	GTE NORTH INC. - OH	146,018,425.51	614,984	237.43	0	0	00.00
300618	3 A	GERMANTOWN INDEPEND	727,004.71	3,233	224.87	0	0	00.00
300619	3 A	GLANDORF TEL CO	147,964.46	658	224.87	0	0	00.00
300620	2 A	HARLAN TEL CO	145,940.63	649	224.87	0	0	00.00
300625	3 A	KALIDA TEL CO	182,144.70	810	224.87	0	0	00.00
300630	2 C	CENDEL OF OHIO	9,617,375.03	58,913	163.24	0	0	00.00
300633	3 A	MIDDLE POINT HOME	115,358.31	513	224.87	0	0	00.00
300634	3 A	MINFORD TEL CO	467,729.60	2,080	224.87	0	0	00.00
300637	2 A	ALLTEL OHIO-NEHARK	8,315,467.73	36,979	224.87	0	0	00.00
300639	3 A	THE NEW KNOXVILLE	205,081.44	912	224.87	0	0	00.00
300644	3 A	THE NOVA TEL CO	184,628.08	728	253.61	0	0	00.00
300645	3 A	OAKHOOD MUTUAL TEL	215,425.46	958	224.87	0	0	00.00
300649	3 A	ORHELL TEL CO	1,086,571.84	4,832	224.87	0	0	00.00
300650	3 A	OTTOVILLE MUTUAL	232,740.45	1,035	224.87	0	0	00.00
300651	3 A	PATTERSONVILLE TEL	85,715.00	310	276.50	2,707	28	00.35
300654	3 A	RIDGEVILLE TEL CO	108,387.34	482	224.87	0	0	00.00
300656	3 A	SHERHOOD MUTUAL TEL	208,454.49	927	224.87	0	0	00.00
300658	3 A	SYCAMORE TEL CO	300,626.72	1,336	225.02	0	0	00.00
300659	3 A	TELEPHONE SERVICE	1,556,100.40	6,920	224.87	0	0	00.00
300661	2 C	UTC OF OHIO	109,613,753.38	411,468	266.39	137,327	1,431	18.02
300662	3 A	VANLUE TEL CO	105,464.03	469	224.87	0	0	00.00
300663	3 A	VAUGHNSVILLE TEL CO	78,332.80	260	301.28	6,458	67	00.84
300664	3 A	WADASH MUTUAL TEL CO	140,094.01	623	224.87	0	0	00.00
300665	2 C	ALLTEL OHIO-WEST OH	4,268,654.13	16,545	258.00	0	0	00.00
300666	2 A	WESTERN RESERVE TEL	23,951,803.18	106,514	224.87	0	0	00.00
300682	3 C	C, C & S TELCO -OHIO	68,229.48	428	159.41	0	0	00.00
305062	2 C	CINCINNATI BELL-OH	103,294,579.48	597,859	172.77	0	0	00.00
305150	1 C	OHIO BELL TEL CO	591,528,146.00	3,012,953	196.32	0	0	00.00

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 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
STATE TOTAL			1,025,604,471.94	4,976,116	206.10	761,914	7,937	100.00
MICHIGAN								
310669	3 A	ALLENDALE TEL CO	771,528.97	3,431	224.87	0	0	00.00
310671	2 A	CENTURY TEL. MIDWEST	514,502.56	2,288	224.87	0	0	00.00
310672	2 A	AUGUSTA TEL CO	345,175.45	1,535	224.87	0	0	00.00
310675	3 A	BARAGA TEL CO	688,327.07	3,061	224.87	0	0	00.00
310676	3 A	BARRY COUNTY TEL CO	1,220,819.23	5,429	224.87	0	0	00.00
310677	3 A	ISLAND TEL CO	166,219.13	583	285.11	8,354	87	00.45
310678	3 A	BLANCHARD TEL ASSN	209,578.84	932	224.87	0	0	00.00
310679	3 C	BLOOMINGDALE TEL CO	554,109.93	1,431	387.21	121,795	1,269	06.63
310680	3 C	CHIPPEWA COUNTY TEL	255,512.30	767	333.13	34,932	364	01.90
310681	2 C	ALLTEL MICHIGAN INC.	8,597,144.85	35,992	238.86	0	0	00.00
310682	3 C	C, C & S TELCO - MI	2,937,905.35	17,019	172.62	0	0	00.00
310683	3 C	CARR TEL CO	293,384.28	1,201	244.28	0	0	00.00
310685	2 C	CHATHAM TEL CO - MI	524,217.47	2,115	247.85	0	0	00.00
310687	2 C	CLAYTON TEL CO	187,481.29	557	336.59	26,620	277	01.44
310688	3 A	CLIMAX TEL CO	203,957.09	907	224.87	0	0	00.00
310691	3 A	DEERFIELD FARMERS	477,399.01	2,123	224.87	0	0	00.00
310692	3 A	DRENTH TEL CO	111,085.78	494	224.87	0	0	00.00
310694	3 A	FARMERS MUTUAL TEL	88,888.90	335	265.34	495	5	00.02
310695	2 C	GTE NORTH INC. - MI	115,578,330.84	455,914	253.50	0	0	00.00
310699	2 C	HICKORY TEL CO	240,831.50	1,159	207.79	0	0	00.00
310702	2 C	CENTURY OF MICHIGAN	10,786,803.58	37,914	284.50	528,554	5,506	28.79
310703	3 A	KALEVA TEL CO	286,992.86	1,187	241.78	0	0	00.00
310704	3 C	ACE TEL OF MICHIGAN	1,377,404.95	3,146	437.82	387,176	4,033	21.09
310705	3 A	KINGSLEY TEL CO	414,885.15	1,845	224.87	0	0	00.00
310708	3 A	LENNON TEL CO	360,016.87	1,601	224.87	0	0	00.00
310711	3 C	MIDWAY TEL CO	347,424.50	719	483.20	112,958	1,177	06.15
310713	3 C	HIAWATHA TEL CO	1,025,313.57	3,358	305.33	92,257	961	05.02
310714	3 A	OGDEN TEL CO	78,173.97	259	301.83	6,526	68	00.35
310717	3 C	ONTONAGON COUNTY TEL	808,072.83	3,662	220.66	0	0	00.00
310720	3 A	PENINSULA TEL CO -MI	197,885.60	880	224.87	0	0	00.00
310721	3 C	PIGEON TEL CO	775,038.49	2,479	312.64	79,886	832	04.35
310725	3 A	SAND CREEK TEL CO	187,316.71	833	224.87	0	0	00.00
310726	2 A	SHIAWASSEE TEL CO	868,223.07	3,861	224.87	0	0	00.00
310728	3 C	SPRINGPORT TEL CO	392,620.74	1,538	255.28	0	0	00.00
310732	3 C	UPPER PENINSULA TEL	1,390,590.34	2,956	470.42	436,067	4,542	23.75
310734	3 A	WALDRON TEL CO	123,228.76	548	224.87	0	0	00.00
310735	3 A	WESTPHALIA TEL CO	171,800.68	764	224.87	0	0	00.00
310737	3 C	WINN TEL CO	128,319.80	510	251.60	0	0	00.00
310738	2 C	WOLVERINE TEL CO	1,397,909.15	6,935	201.57	0	0	00.00
315090	1 C	MICHIGAN BELL TEL CO	669,648,888.03	3,842,013	174.29	0	0	00.00

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STATE TOTAL			824,733,309.59	4,454,281	185.15	1,835,620	19,121	100.00
INDIANA								
320742	3 A	BLOOMINGDALE HOME	128,400.77	571	224.87	0	0	00.00
320744	3 A	CAMDEN TEL CO - IN	337,979.61	1,503	224.87	0	0	00.00
320747	2 A	CENTRAL INDIANA TEL	490,891.21	2,183	224.87	0	0	00.00
320750	3 A	CITIZENS TEL CO	470,203.17	2,091	224.87	0	0	00.00
320751	3 A	CITIZENS TEL CORP	326,960.98	1,454	224.87	0	0	00.00
320753	3 C	CLAY CTY RURAL COOP	1,615,019.10	7,685	210.15	0	0	00.00
320756	3 A	CRAIGVILLE TEL CO	133,572.78	594	224.87	0	0	00.00
320759	3 A	DAVISS-HARTIN RURAL	503,483.93	2,239	224.87	0	0	00.00
320762	2 C	ELNORA TEL CO	78,306.91	414	189.14	0	0	00.00
320771	3 A	GEETINGSVILLE TEL CO	96,191.88	401	239.88	0	0	00.00
320772	2 C	GTE NORTH INC. - IN	124,180,016.54	516,984	240.20	0	0	00.00
320775	3 A	HANCOCK RURAL CORP	1,021,359.54	4,542	224.87	0	0	00.00
320776	2 A	COMM CORP OF INDIANA	1,583,759.41	7,043	224.87	0	0	00.00
320777	2 A	HOME CO OF PITTSBORO	315,942.35	1,405	224.87	0	0	00.00
320778	2 C	HOME TEL CO INC	504,445.61	1,783	282.91	23,013	240	01.37
320779	2 C	CONTEL OF INDIANA	35,336,151.90	129,843	272.14	766,966	7,989	45.89
320783	3 A	LIGONIER TEL CO	442,993.90	1,970	224.87	0	0	00.00
320784	3 A	LIBERTY CENTER TEL	124,128.24	552	224.87	0	0	00.00
320788	3 A	MERCHANTS & FARMERS	116,257.79	517	224.87	0	0	00.00
320790	3 A	MONON TEL CO	297,278.14	1,322	224.87	0	0	00.00
320792	3 A	MULBERRY COOP TEL CO	402,967.04	1,792	224.87	0	0	00.00
320796	3 A	NEW LISBON TEL CO	166,853.54	742	224.87	0	0	00.00
320797	3 C	NEW PARIS TEL INC	361,669.08	1,491	242.56	0	0	00.00
320800	3 C	NORTHWESTERN INDIANA	1,956,366.79	7,225	270.77	36,243	378	02.17
320801	3 A	ODON TEL CO	308,521.64	1,372	224.87	0	0	00.00
320807	3 A	PERRY-SPENCER RURAL	840,788.93	3,739	224.87	0	0	00.00
320809	2 A	POSEYVILLE TEL CO	177,647.30	790	224.87	0	0	00.00
320813	3 A	PULASKI-WHITE RURAL	348,323.63	1,549	224.87	0	0	00.00
320815	3 A	ROCHESTER TEL CO	1,012,589.61	4,503	224.87	0	0	00.00
320816	3 A	S & W TEL CO	105,239.16	468	224.87	0	0	00.00
320818	3 A	SMITHVILLE TEL CO	4,636,594.53	20,619	224.07	0	0	00.00
320819	3 A	SE INDIANA RURAL	671,461.82	2,986	224.87	0	0	00.00
320825	3 A	SUNMAN TEL CO	685,403.76	3,048	224.87	0	0	00.00
320826	3 A	SHAYZEE TEL CO	210,028.58	934	224.87	0	0	00.00
320827	3 A	SHEETSER RURAL TEL	297,952.75	1,325	224.87	0	0	00.00
320828	3 A	THORNTOWN TEL CO	442,993.90	1,970	224.87	0	0	00.00
320829	3 A	TIPTON TEL CO	896,556.69	3,987	224.87	0	0	00.00
320830	3 A	TRI-COUNTY TEL CO	562,849.61	2,503	224.87	0	0	00.00
320831	2 A	ALLTEL INDIANA INC.	1,778,946.57	7,911	224.87	0	0	00.00
320832	2 C	UTC OF INDIANA	45,256,113.08	167,095	270.84	844,727	8,799	50.55
320833	2 A	WADESVILLE TEL CO	99,818.40	440	226.86	0	0	00.00
320834	3 A	WASHINGTON CTY RURAL	476,499.53	2,119	224.87	0	0	00.00

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
320837	3 A	WEST POINT TEL CO	128,175.90	570	224.87	0	0	00.00
320839	3 A	YEOMAN TEL CO, INC	228,018.18	1,014	224.87	0	0	00.00
325080	1 C	INDIANA BELL TEL CO	293,143,423.86	1,474,992	198.74	0	0	00.00
STATE TOTAL			523,299,147.68	2,400,280	218.01	1,670,949	17,406	100.00
WISCONSIN								
330841	2 C	CENCOM OF WISCONSIN	5,592,332.25	20,556	272.05	120,085	1,251	05.35
330842	3 A	AMERY TEL CO	978,184.50	4,350	224.87	0	0	00.00
330843	3 A	AMHERST TEL CO	750,391.19	3,337	224.87	0	0	00.00
330844	2 C	BADGER STATE TEL CO	1,014,875.49	3,712	273.40	24,942	260	01.11
330846	3 A	BALDWIN TELECOM	590,508.62	2,626	224.87	0	0	00.00
330847	3 A	BELMONT TEL CO	154,935.43	689	224.87	0	0	00.00
330848	3 A	BERGEN TEL CO	78,848.24	172	458.42	0	0	00.00
330849	2 A	BLACK EARTH TEL CO	240,835.77	1,071	224.87	23,824	248	01.06
330850	3 A	BLOOMER TEL CO	523,497.36	2,328	224.87	0	0	00.00
330851	2 C	BONDUEL TEL CO	364,418.21	1,389	262.36	0	0	00.00
330855	3 A	BRUCE TEL CO, INC	287,158.99	1,277	224.87	0	0	00.00
330856	2 C	BURLINGTON B&H	509,470.73	2,653	192.03	0	0	00.00
330857	3 A	CASCO TEL CO	222,621.30	990	224.87	0	0	00.00
330858	3 A	LAKESHORE TEL CO	344,725.71	1,533	224.87	0	0	00.00
330859	2 C	CENTRAL STATE TEL CO	2,199,896.46	6,801	323.46	267,040	2,782	11.89
330860	3 C	CHEQUAMEGON TEL COOP	1,407,438.52	5,444	258.53	0	0	00.00
330861	3 A	CHIBAROUH TEL COOP	983,356.51	4,373	224.87	0	0	00.00
330863	3 A	CITIZENS TEL COOP-HI	362,490.44	1,612	224.87	0	0	00.00
330865	3 A	CLEAR LAKE TEL CO-HI	261,748.68	1,164	224.87	0	0	00.00
330866	3 A	COCHRANE COOP TEL CO	225,994.35	1,005	224.87	0	0	00.00
330868	3 A	COON VALLEY FARMERS	420,057.16	1,868	224.87	0	0	00.00
330870	3 C	CRANDON TEL CO	758,414.10	2,189	346.46	119,408	0	00.00
330872	3 A	CUBA CITY EXCHANGE	318,191.05	1,415	224.87	0	1,244	05.32
330875	3 A	DICKEYVILLE TEL CORP	201,708.39	897	224.87	0	0	00.00
330876	2 C	ODDGE COUNTY TEL CO	197,271.17	850	232.08	0	0	00.00
330877	3 A	FAIRWATER-BRANDON-AL	251,854.40	1,120	224.87	0	0	00.00
330879	3 A	FARMERS INDEPENDENT	484,145.11	2,153	224.87	0	0	00.00
330880	3 A	FARMERS TEL CO - WI	1,138,067.07	5,061	224.87	0	0	00.00
330881	3 A	MIO-PLAINS TEL CO	3,246,897.93	14,439	224.87	0	0	00.00
330882	2 C	FENNIMORE TEL CO	330,304.58	1,508	219.03	0	0	00.00
330883	3 C	FOOTVILLE TEL CO	195,283.05	809	241.38	0	0	00.00
330884	3 A	FORESTVILLE TEL CO	389,924.58	1,734	224.87	0	0	00.00
330886	2 C	GTE NORTH INC. - HI	97,374,032.95	323,031	301.43	1,239,712	12,914	55.22
330888	2 C	GREENWOOD TEL CO	323,726.16	1,285	251.92	0	0	00.00
330889	3 A	HAGER CITY TEL CO	356,418.95	1,585	224.87	0	0	00.00

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
330891	3 C	HEADWATERS TEL CO	997,285.90	3,320	300.38	80,552	839	03.58
330892	3 A	HILLSBORO TEL CO	308,521.64	1,372	224.87	0	0	00.00
330895	2 C	CENTURY OF WISCONSIN	7,433,431.61	40,703	182.62	0	0	00.00
330896	3 A	LAKEFIELD TEL CO	280,412.89	1,247	224.87	0	0	00.00
330898	3 C	LARSEN-REAOFIELD TEL	338,300.12	1,932	175.10	0	0	00.00
330899	3 A	LA VALLE TEL COOP	339,320.83	1,509	224.87	0	0	00.00
330900	3 A	LEMONHEIR VALLEY TEL	536,539.82	2,386	224.87	0	0	00.00
330902	3 A	LUCK TEL CO	402,742.17	1,791	224.87	0	0	00.00
330904	3 A	MADLINE ISLAND TEL	77,054.04	252	305.77	6,995	73	00.31
330905	3 A	HANAWA TEL CO	409,263.40	1,820	224.87	0	0	00.00
330907	3 A	MAPLE TEL COOP, INC	82,538.33	287	287.59	4,575	48	00.20
330908	3 C	MARQUETTE-ADAMS COOP	500,794.25	2,510	199.51	0	0	00.00
330909	2 C	MIDWAY TEL CO	1,369,022.98	5,823	235.10	0	0	00.00
330910	3 A	HILLTOWN MUTUAL TEL	414,660.28	1,844	224.87	0	0	00.00
330912	3 A	MONDOVI TEL CO	463,906.81	2,063	224.87	0	0	00.00
330913	3 C	MONROE COUNTY TEL CO	1,711,124.05	8,368	204.48	0	0	00.00
330914	2 C	MOSEL & CENTERVILLE	679,288.92	2,733	248.55	0	0	00.00
330915	3 A	MOSINEE TEL CO	760,960.08	3,384	224.87	0	0	00.00
330916	3 C	MOUNT HOREB TEL CO	764,749.49	2,631	290.66	47,212	492	02.10
330917	2 C	MT VERNON TEL CO	1,016,146.08	4,865	208.86	0	0	00.00
330918	3 A	NELSON TEL COOP	713,512.51	3,173	224.87	0	0	00.00
330920	3 A	NIAGARA TEL CO	678,657.66	3,018	224.87	0	0	00.00
330922	3 C	NORTH-WEST TEL CO	12,435,108.26	50,816	244.70	0	0	00.00
330924	3 A	NOVY'S TEL CO	116,932.40	520	224.87	0	0	00.00
330925	3 A	BAYLAND TEL CO	281,762.11	1,253	224.87	0	0	00.00
330930	2 A	PEOPLES TEL CO	388,034.48	1,637	237.04	0	0	00.00
330931	3 C	PEOPLES TEL CO	1,479,401.64	5,256	281.46	62,887	655	02.80
330934	3 C	PLATTEVILLE TEL CO	1,230,117.72	7,264	169.34	0	0	00.00
330936	3 C	INDIANHEAD TEL CO	656,900.61	1,590	413.14	166,249	1,732	07.40
330937	3 C	PRICE COUNTY TEL CO	869,874.68	3,218	270.31	15,180	158	00.67
330938	3 A	NORTHEAST TEL CO	995,499.49	4,427	224.87	0	0	00.00
330940	3 C	RHINELANDER TEL CO	1,731,683.28	8,612	201.07	0	0	00.00
330941	3 A	RIB LAKE TEL CO	237,462.72	1,056	224.87	0	0	00.00
330942	3 A	RICHLAND-GRANT COOP	497,149.00	2,180	228.05	0	0	00.00
330943	2 C	ROCK RIVER TEL CO	333,035.83	1,353	246.14	0	0	00.00
330944	3 A	ST CROIX TEL CO	1,136,268.11	5,053	224.87	0	0	00.00
330945	2 C	SCANONAVIA TEL CO	418,098.17	1,831	228.34	0	0	00.00
330946	3 A	SHARON TEL CO	202,158.13	899	224.87	0	0	00.00
330948	3 A	SHELL LAKE TEL CO	404,541.13	1,799	224.87	0	0	00.00
330949	3 A	SIREN TEL CO, INC	387,675.88	1,724	224.87	0	0	00.00
330950	3 C	SOLOM SPRINGS TEL CO	3,223,023.90	13,375	240.97	0	0	00.00
330951	3 A	SOMERSET TEL CO	264,222.25	1,175	224.87	0	0	00.00
330952	3 C	SE TEL OF WISCONSIN	1,322,678.34	5,353	247.09	0	0	00.00
330953	3 A	SPRING VALLEY TEL CO	180,795.48	804	224.87	0	0	00.00
330954	2 C	STOCKBRIDGE & SHERWD	619,729.74	2,234	277.40	20,834	217	00.92
330955	3 A	STATE LONG DISTANCE	1,246,679.28	5,544	224.87	0	0	00.00

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330956	3 C	UNIVERSAL OF N MISC	2,630,159.61	9,734	270.20	45,159	470	02.01
330957	3 A	SULLIVAN TEL CO	352,146.42	1,566	224.87	0	0	00.00
330958	3 A	TENNEY TEL CO	202,607.87	901	224.87	0	0	00.00
330959	3 A	THORP TEL CO	422,980.47	1,881	224.87	0	0	00.00
330960	3 A	TRI-COUNTY TEL COOP	719,808.87	3,201	224.87	0	0	00.00
330961	3 A	TURTLE LAKE TEL CO	252,978.75	1,125	224.87	0	0	00.00
330962	3 A	UNION TEL CO	706,541.54	3,142	224.87	0	0	00.00
330963	3 C	UNITED TELEQUIPMENT	1,794,384.66	12,137	147.84	0	0	00.00
330964	3 C	URBAN TEL CORP	3,093,722.63	16,325	189.50	0	0	00.00
330965	2 C	VALDERS TEL CO	381,599.70	1,796	212.47	0	0	00.00
330966	3 A	VERNON TEL COOP	1,168,874.26	5,198	224.87	0	0	00.00
330967	3 A	VIROQUA TEL CO	659,993.45	2,935	224.87	0	0	00.00
330968	2 A	WAUNAKEE TEL CO	771,304.10	3,430	224.87	0	0	00.00
330970	3 A	HAYSIDE TEL CO	268,269.91	1,193	224.87	0	0	00.00
330971	3 A	M. WISCONSIN TELCOM	728,129.06	3,238	224.87	0	0	00.00
330973	3 A	HITTENBERG TEL CO	384,977.44	1,712	224.87	0	0	00.00
330974	3 C	HOOD COUNTY TEL CO	3,024,776.03	19,842	152.44	0	0	00.00
335220	1 C	HISCONSIN BELL	300,821,659.89	1,564,254	192.31	0	0	00.00
STATE TOTAL			492,402,014.73	2,306,640	213.47	2,244,654	23,383	100.00
ILLINOIS								
340976	3 A	ADAMS TEL COOP	1,099,577.67	3,923	280.29	43,929	458	01.80
340978	3 A	ALHAMBRA-GRANTFORK	205,980.92	916	224.87	0	0	00.00
340983	3 A	CAMBRIDGE TEL CO -IL	353,720.51	1,573	224.87	0	0	00.00
340984	3 A	CASS COUNTY TEL CO	524,621.71	2,333	224.87	0	0	00.00
340985	2 C	CENTEL OF ILLINOIS	26,631,107.55	164,348	162.04	0	0	00.00
340986	3 A	CHANDLERVILLE TEL CO	114,233.96	508	224.87	0	0	00.00
340990	3 A	CLARKSVILLE MUTUAL	55,013.64	142	387.42	12,107	126	00.49
340993	3 A	CROSSVILLE TEL CO	151,787.25	675	224.87	0	0	00.00
340998	3 A	DEPUE TEL CO	175,398.60	780	224.87	0	0	00.00
341000	2 C	ALLTEL ILLINOIS INC.	6,374,686.76	37,783	168.71	0	0	00.00
341003	3 A	EGYPTIAN COOP ASSN	640,605.35	2,497	256.55	0	0	00.00
341004	3 C	EL PASO TEL CO	325,851.60	1,526	213.53	0	0	00.00
341009	3 A	C-R TEL CO	197,631.72	858	230.34	0	0	00.00
341011	3 C	LAKESIDE TEL CO	247,005.35	725	340.69	36,586	381	01.49
341012	3 A	FLAT ROCK MUTUAL TEL	103,215.33	459	224.87	0	0	00.00
341015	2 C	GTE NORTH INC. - IL	114,711,749.29	530,366	216.28	0	0	00.00
341016	3 A	GENESE0 TEL CO	1,434,895.47	6,381	224.87	0	0	00.00
341017	3 A	GLASFORD TEL CO	245,782.91	1,093	224.87	0	0	00.00
341020	3 A	GRAFTON TEL CO	159,657.70	710	224.87	0	0	00.00
341021	3 A	GRANDVIEW MUTUAL TEL	44,838.56	104	431.14	12,277	128	00.50

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TABLE 3.3

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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
341023	3 C	GRIDLEY TEL CO	260,652.39	1,074	242.69	0	0	00.00
341024	3 A	HAMILTON COUNTY COOP	597,588.88	2,152	277.69	20,460	213	00.83
341025	3 A	SHAWNEE TELEPHONE CO	865,104.24	3,601	240.24	0	0	00.00
341026	3 A	HARRISONVILLE TEL CO	3,046,988.50	13,550	224.87	0	0	00.00
341029	3 A	HENRY COUNTY TEL CO	359,342.26	1,598	224.87	0	0	00.00
341032	3 A	HOME TEL CO-ST JACOB	164,829.71	733	224.87	0	0	00.00
341036	2 C	CONTEL OF ILLINOIS	43,216,757.12	152,278	283.80	2,052,612	21,381	84.04
341037	2 C	IL CONSOLIDATED TEL	18,724,207.03	71,408	262.21	0	0	00.00
341038	3 C	INLAND TEL CO	1,101,438.96	3,994	275.77	32,989	344	01.35
341041	3 A	KINSMAN MUTUAL TEL	36,851.88	78	472.46	11,625	121	00.47
341043	3 A	LA HARPE TEL CO	240,161.16	1,068	224.87	0	0	00.00
341045	3 C	LEAF RIVER VLY TEL	209,822.59	559	375.35	42,601	444	01.74
341046	3 A	LEONORE MUTUAL TEL	57,183.70	151	378.70	11,887	124	00.48
341047	3 A	MCDONOUGH TEL COOP	1,100,917.65	4,305	255.73	0	0	00.00
341048	3 A	MENABB TEL CO	96,287.04	402	239.52	0	0	00.00
341049	3 A	MADISON TEL CO	287,803.80	1,195	240.84	0	0	00.00
341050	3 A	MARSEILLES TEL CO	657,519.88	2,924	224.87	0	0	00.00
341053	3 A	METAMORA TEL CO	578,140.77	2,571	224.87	0	0	00.00
341054	3 A	MID CENTURY TEL COOP	1,113,596.75	4,025	276.67	35,600	371	01.45
341055	3 C	MIDLAND TEL CO	1,233,709.19	4,026	306.43	113,514	1,182	04.64
341058	3 A	MONTROSE MUTUAL TEL	350,498.94	1,298	270.03	5,878	61	00.23
341060	3 C	MULTRIE INDEPENDENT	121,492.12	672	180.79	0	0	00.00
341061	3 A	MT PULASKI TEL & ELE	398,469.64	1,772	224.87	0	0	00.00
341062	3 A	NEW WINDSOR TEL CO	127,726.16	568	224.87	0	0	00.00
341065	3 A	ODIN TEL EXCH INC	244,208.82	1,086	224.87	0	0	00.00
341066	3 A	ONEIDA TEL EXCHANGE	110,411.17	491	224.87	0	0	00.00
341067	3 A	ORION TEL EXCH ASSN	363,839.66	1,618	224.87	0	0	00.00
341073	3 C	PRAIRIE TEL CO	201,468.62	944	213.42	0	0	00.00
341075	3 A	REYNOLDS TEL CO, INC	116,707.53	519	224.87	0	0	00.00
341079	3 A	SCHUYLER TEL CO - IL	605,574.91	2,693	224.87	0	0	00.00
341086	3 A	TONICA TEL CO	105,239.16	468	224.87	0	0	00.00
341087	3 A	VIOLA HOME TEL CO	157,184.13	699	224.87	0	0	00.00
341088	3 A	WABASH TEL COOP, INC	1,002,470.46	4,458	224.87	0	0	00.00
341091	3 A	WOODHULL COMMUNITY	142,792.45	635	224.87	0	0	00.00
341092	3 A	STELLE TEL CO	27,995.13	53	528.21	10,115	105	00.41
341093	3 A	YATES CITY TEL CO	111,310.65	495	224.87	0	0	00.00
345070	1 C	ILLINOIS BELL TEL CO	733,820,704.86	4,857,013	151.08	0	0	00.00
STATE TOTAL			965,754,359.83	5,904,874	163.55	2,442,180	25,439	100.00
IOHA								
351096	3 A	AMANA SOC SERV CO	210,928.06	938	224.87	0	0	00.00

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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
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 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
351097	3 A	ANDREH TEL CO INC	85,312.23	307	277.89	2,958	31	00.24
351098	3 A	ARCADIA TEL CO	85,845.33	311	276.03	2,621	27	00.21
351101	3 A	ATKINS TEL CO, INC	120,000.58	534	224.87	0	0	00.00
351105	3 C	AYRSHIRE FARMERS MUT	78,144.77	388	201.40	0	0	00.00
351107	3 A	BALDWIN-NASHVILLE	87,049.60	320	272.03	1,865	19	00.15
351108	3 A	BARNES CITY COOP	61,482.20	170	361.66	11,210	117	00.93
351110	3 C	BERNARD TEL CO INC	187,882.05	467	402.31	45,036	469	03.72
351112	3 A	BREDA TEL COOP	265,092.50	991	267.50	2,858	30	00.23
351113	3 A	BROOKLYN MUTUAL TEL	275,690.62	1,226	224.87	0	0	00.00
351114	3 A	THE BURT TEL CO	98,396.80	425	231.52	0	0	00.00
351115	3 A	BUTLER-BREMER MUTUAL	402,742.17	1,791	224.87	0	0	00.00
351118	3 A	CASCADE TEL CO	303,349.63	1,349	224.87	0	0	00.00
351119	3 A	CASEY MUTUAL TEL CO	99,230.61	433	229.17	0	0	00.00
351121	3 A	CENTER JUNCTION TEL	52,799.67	133	396.99	12,294	128	01.01
351125	3 A	CENTRAL SCOTT TEL CO	845,061.46	3,758	224.87	0	0	00.00
351126	3 A	CHESTER TEL CO -IOWA	69,534.30	209	332.70	9,460	99	00.78
351127	2 A	CENTEL OF IOWA	10,576,760.45	47,035	224.87	0	0	00.00
351129	3 A	THE CITIZENS MUTUAL	737,123.86	3,278	224.87	0	0	00.00
351130	3 A	CLARENCE TEL CO	164,829.71	733	224.87	0	0	00.00
351132	3 A	CLEAR LAKE INDEPEND	1,291,428.41	5,743	224.87	0	0	00.00
351133	3 A	C-M-L TEL COOP ASSN	264,216.38	766	344.93	40,900	426	03.38
351134	3 A	COLO TEL CO	124,353.11	553	224.87	0	0	00.00
351136	3 A	COON CREEK TEL CO	118,956.23	529	224.87	0	0	00.00
351137	3 A	COON VALLEY COOP TEL	171,026.23	617	277.19	5,665	59	00.46
351139	3 A	COOPERATIVE TEL CO	352,134.60	1,311	268.60	4,718	49	00.38
351141	3 A	CORN BELT TEL CO	157,184.13	699	224.87	0	0	00.00
351146	3 A	CUMBERLAND TEL CO	96,381.48	403	239.16	0	0	00.00
351147	3 A	DANVILLE MUTUAL TEL	183,044.18	814	224.87	0	0	00.00
351148	3 A	DEEP RIVER MUTUAL	83,531.28	294	284.12	4,024	42	00.33
351149	3 A	DEFIANCE TEL CO	77,054.04	252	305.77	6,995	73	00.58
351150	3 A	DIXON TEL CO	122,779.02	546	224.87	0	0	00.00
351152	3 A	DUMONT TEL CO	117,382.14	522	224.87	0	0	00.00
351153	3 A	DUNKERTON TEL COOP	126,826.68	564	224.87	0	0	00.00
351156	3 A	EAST BUCHANAN COOP	297,891.86	1,303	228.62	0	0	00.00
351157	3 A	ELLSWORTH COOP ASSN	165,793.00	580	285.85	8,590	90	00.71
351160	3 A	FARMERS & BUSINESSME	214,975.72	956	224.87	0	0	00.00
351162	3 A	FARMERS COOP TEL CO	260,399.46	1,158	224.87	0	0	00.00
351166	3 A	FARMERS & MERCHANTS	153,811.08	684	224.87	0	0	00.00
351168	3 A	FARMERS MUTUAL COOP	531,823.58	1,717	309.74	52,094	543	04.31
351169	3 A	FARMERS MUTUAL COOP	125,927.20	560	224.87	0	0	00.00
351171	3 A	FARMERS MUTUAL JESUP	370,585.76	1,648	224.87	0	0	00.00
351172	3 A	FARMERS MUTUAL TEL	496,512.96	2,208	224.87	0	0	00.00
351173	3 A	FARMERS MUTUAL TEL	343,151.62	1,526	224.87	0	0	00.00
351174	3 A	FARMERS MUTUAL TEL	272,743.58	1,054	258.77	0	0	00.00
351175	3 A	FARMERS TEL CO - BAT	93,040.20	370	251.46	0	0	00.00
351176	3 A	FARMERS TEL CO-ESSEX	151,112.64	672	224.87	0	0	00.00

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 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
351177	3 A	FARMERS TEL CO -RICE	385,576.74	1,611	239.34	0	0	00.00
351179	3 A	FENTON CO-OP TEL CO	93,252.96	372	250.68	0	0	00.00
351186	2 C	GTE NORTH INC. - IA	21,948,496.50	102,739	213.63	0	0	00.00
351187	3 A	HIO-IOWA TEL CO	234,089.67	1,041	224.87	0	0	00.00
351188	3 A	GOLDFIELD TEL CO	120,980.06	538	224.87	0	0	00.00
351189	3 A	RIVER VALLEY COOP	197,892.24	861	229.84	0	0	00.00
351191	3 A	GRAND MOUND COOP TEL	119,855.71	533	224.87	0	0	00.00
351195	3 A	GRISHOLD CO-OP TEL	436,022.93	1,939	224.87	0	0	00.00
351199	3 A	HAWKEYE TEL CO	100,516.89	447	224.87	0	0	00.00
351202	3 A	HOSPERS TEL EXCH INC	136,945.83	609	224.87	0	0	00.00
351203	3 A	HUBBARD COOP ASSN	172,250.42	766	224.87	0	0	00.00
351205	3 A	HUXLEY COOP TEL CO	299,976.58	1,334	224.87	0	0	00.00
351206	3 A	IAMO TEL CO - IA	139,297.20	420	331.66	18,727	0	00.00
351207	2 C	CONTEL OF IOWA, INC.	18,298,231.90	67,153	272.48	411,505	195	01.55
351209	3 A	INTERSTATE 35 TEL CO	261,308.06	962	271.63	5,357	4,287	34.08
351212	3 A	JEFFERSON TEL CO -IA	663,816.24	2,952	224.87	0	56	00.44
351213	3 A	JORDAN SOLDIER VLY	78,332.80	260	301.28	6,458	0	00.00
351214	3 A	KALONA COOP TEL CO	343,376.49	1,527	224.87	0	67	00.53
351217	3 A	KEYSTONE FRMS COOP	256,879.68	928	276.81	0	0	00.00
351220	3 A	LA PORTE CITY TEL CO	394,871.72	1,756	224.87	8,292	86	00.68
351222	3 A	LA MOTTE TEL CO	113,334.48	504	224.87	0	0	00.00
351223	3 A	LAUREL TEL CO, INC	81,959.63	283	289.61	4,883	0	00.00
351225	3 A	LEHIGH VALLEY COOP	410,162.88	1,824	224.87	0	51	00.40
351228	3 A	LONE ROCK CO-OP TEL	82,396.60	286	288.10	4,654	0	00.00
351229	3 C	LOST NATION-ELWOOD	169,228.46	595	284.41	8,260	49	00.38
351230	3 A	NORTHEAST IOWA TEL	384,077.96	1,708	224.87	0	86	00.68
351232	3 A	LYNNVILLE COMMUNITY	86,501.84	316	273.74	0	0	00.00
351235	3 A	HANILLA TEL CO	129,075.38	574	224.87	2,193	23	00.18
351237	3 A	MARNE & ELK HORN TEL	351,132.44	1,303	269.48	0	0	00.00
351238	3 A	MARTELL COOP ASSN	80,928.72	276	293.22	5,435	57	00.45
351239	3 A	MASSENA TEL CO	174,801.14	646	270.59	5,410	56	00.44
351241	3 A	MECHANICSVILLE TEL	167,753.02	746	224.87	3,160	33	00.26
351242	3 A	HILES COOP TEL ASSN	148,189.33	659	224.87	0	0	00.00
351243	3 A	MILLER TEL CO - IA	43,676.00	100	436.76	0	0	00.00
351245	3 A	MINBURN TEL CO	99,486.48	436	228.18	12,226	127	01.00
351246	3 A	MINERVA VALLEY TEL	188,912.10	767	246.30	0	0	00.00
351247	3 A	MODERN COOP TEL CO	248,334.81	867	286.43	0	0	00.00
351248	3 A	MONTEZUMA MUTUAL TEL	348,773.37	1,551	224.87	13,168	137	01.08
351249	3 A	MORLEY TEL CO	55,032.10	142	387.55	0	0	00.00
351250	3 A	MUTUAL TEL CO	130,199.73	579	224.87	12,121	126	01.00
351251	3 A	MEDIAPOLIS TEL CO	341,127.79	1,517	224.87	0	0	00.00
351252	3 A	MUTUAL TEL CO	661,567.54	2,942	224.87	0	0	00.00
351257	3 A	NORTH ENGLISH COOP	159,207.96	708	224.87	0	0	00.00
351259	3 A	NORTHERN IOWA TEL CO	625,172.04	2,367	264.12	1,627	0	00.00
351260	3 A	NORTHWEST IOWA TEL	579,040.25	2,575	224.87	0	17	00.13
351261	3 A	NORTHWEST TEL COOP	330,440.59	1,151	287.09	0	0	00.00
						17,976	187	01.48

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
351262	3 A	NORWAY RURAL TEL CO	136,945.83	609	224.87	0	0	00.00
351263	3 A	OGDEN TEL CO - IA	355,069.73	1,579	224.87	0	0	00.00
351264	3 A	OLIN TEL CO, INC	118,506.49	527	224.87	0	0	00.00
351265	3 A	ONSLOW COOP TEL ASSN	69,908.52	211	331.32	9,361	98	00.77
351266	3 A	ORAN MUTUAL TEL CO	72,465.75	225	322.07	8,629	90	00.71
351269	3 A	PALO COOP TEL ASSN	88,400.17	331	267.07	862	9	00.07
351270	3 A	PALMER MUTUAL TEL CO	87,400.57	323	270.59	1,580	17	00.13
351271	3 A	PANORA COOP TEL ASSN	282,211.85	1,255	224.87	0	0	00.00
351273	3 A	PEOPLES TEL CO - IA	175,848.34	782	224.87	0	0	00.00
351274	3 A	POSTVILLE TEL CO	298,627.36	1,328	224.87	0	0	00.00
351275	3 A	PRAIRIEBURG TEL CO	64,038.52	182	351.86	10,663	0	00.00
351276	3 A	PRESTON TEL CO	249,380.83	1,109	224.87	0	111	00.88
351277	3 A	RADCLIFFE TEL CO	107,487.86	478	224.87	0	0	00.00
351278	3 A	READLYN TEL CO	153,811.08	684	224.87	0	0	00.00
351280	3 A	RINGSTED TEL CO	103,215.33	459	224.87	0	0	00.00
351282	3 A	ROCKHELL COOP ASSN	342,193.80	1,235	277.08	0	0	00.00
351283	3 A	ROYAL TEL CO	95,113.20	390	243.88	11,252	117	00.93
351284	3 A	RUTHVEN TEL EXCHANGE	140,993.49	627	224.87	0	0	00.00
351285	3 A	SAC COUNTY MUTUAL	231,840.97	1,031	224.87	0	0	00.00
351291	3 A	SCHALLER TEL CO	386,062.40	1,616	238.90	0	0	00.00
351292	3 A	SEARSBORO TEL CO	113,898.00	300	379.66	23,832	248	01.97
351293	3 A	SHARON TEL CO	200,238.36	889	225.24	0	0	00.00
351294	3 A	SCRANTON TEL CO	111,085.78	494	224.87	0	0	00.00
351295	3 A	SHELL ROCK TEL CO	198,560.21	883	224.87	0	0	00.00
351297	3 A	HEART OF IOWA COOP	560,821.04	1,898	295.48	39,993	417	03.31
351298	3 A	SOUTH SLOPE COOP TEL	1,120,302.34	4,982	224.87	0	0	00.00
351301	3 A	SOUTHWEST TEL EXCH	214,559.40	660	325.09	26,609	277	02.20
351302	3 A	SPRINGVILLE COOP TEL	238,362.20	1,060	224.87	0	0	00.00
351303	3 A	COOP TEL EXCHANGE	171,823.40	623	275.80	5,158	54	00.42
351304	3 A	SHISHER TEL CO	120,755.19	537	224.87	0	0	00.00
351305	3 A	STRATFORD MUTUAL TEL	128,175.90	570	224.87	0	0	00.00
351306	3 A	SULLY TEL ASSOC	209,129.10	930	224.87	0	0	00.00
351307	3 A	SUPERIOR TEL COOP	62,987.22	177	355.86	10,901	114	00.90
351308	3 A	TEMPLETON TEL CO	88,644.60	333	266.20	679	7	00.05
351309	3 A	TERRIL TEL CO	92,605.32	366	253.02	0	0	00.00
351310	3 A	TITONKA TEL CO	127,951.03	569	224.87	0	0	00.00
351316	3 C	UNITED FARMERS TEL	167,484.74	512	327.11	21,318	222	01.76
351317	2 C	UTC OF IOWA	13,596,964.26	60,939	223.12	0	0	00.00
351319	3 A	VAN BUREN TEL CO	625,172.04	2,367	264.12	1,627	17	00.13
351320	3 A	VAN HORNE COOP TEL	104,564.55	465	224.87	0	0	00.00
351322	3 A	VENTURA TEL CO, INC	107,712.73	479	224.87	0	0	00.00
351324	3 A	VILLISCA FARMERS TEL	257,701.02	1,146	224.87	0	0	00.00
351326	3 A	HALNUT TEL CO, INC	165,054.58	734	224.87	0	0	00.00
351327	3 C	HEBB-DICKENS TEL	137,962.11	438	314.98	14,780	154	01.22
351328	3 A	HEBSTER-CALHOUN COOP	1,298,752.08	4,449	291.92	83,451	869	06.90
351329	3 A	HELLMAN COOP TEL	244,208.82	1,086	224.87	0	0	00.00

TABLE 3.3

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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
351331	3 A	WEST IOWA TEL CO	1,025,632.07	4,561	224.87	0	0	00.00
351332	3 A	WEST LIBERTY TEL CO	373,284.20	1,660	224.87	0	0	00.00
351334	3 A	WESTERN IOWA ASSN	735,000.70	2,879	255.30	0	0	00.00
351335	3 A	WESTSIDE INDEPENDENT	89,848.85	343	261.95	0	0	00.00
351336	3 A	HILTON TEL CO	367,437.58	1,634	224.87	0	0	00.00
351337	3 A	MINNEBAGO COOP ASSN	1,420,446.93	5,789	245.37	0	0	00.00
351341	3 A	SCHUYLER TEL CO - IA	194,737.42	866	224.87	0	0	00.00
351342	3 A	HOOLSTOCK MUTUAL	78,490.53	261	300.73	6,390	67	00.53
351343	3 A	HYOMING MUTUAL TEL	140,993.49	627	224.87	0	0	00.00
351344	3 A	PRAIRIE TEL CO	260,924.72	959	272.08	5,621	59	00.46
351346	3 C	ACE TEL ASSN-IA	859,097.90	3,724	230.69	0	0	00.00
351405	3 A	HILLS TEL CO, INC-IA	381,345.45	1,569	243.05	0	0	00.00
351424	3 A	MABEL COOP TEL-IA	242,050.00	824	293.75	16,436	171	01.35
351888	3 C	GRAND RIVER MUT-IA	1,660,190.81	5,404	307.21	155,107	1,616	12.84
355141	1 C	NORTHWESTERN BELL-IA	158,884,004.73	849,568	187.01	0	0	00.00
=====			=====	=====	=====	=====	=====	=====
STATE TOTAL			263,182,377.17	1,290,550	203.93	1,206,989	12,576	100.00
MINNESOTA								
361140	2 C	CONTEL OF MINNESOTA	26,894,562.75	93,037	289.07	1,572,778	16,383	46.11
361186	2 C	GTE NORTH INC. - MN	686,695.87	3,249	211.35	0	0	00.00
361337	3 A	MINNEBAGO COOP ASSN	263,237.51	761	345.91	41,192	429	01.20
361346	3 C	ACE TEL ASSN-MN	1,639,661.98	8,639	189.79	0	0	00.00
361347	3 A	ALBANY MUTUAL ASSN	513,827.95	2,285	224.87	0	0	00.00
361350	3 C	ARVIG TEL CO	1,703,826.78	8,598	198.16	0	0	00.00
361353	3 A	CITY OF BARNESVILLE	213,401.63	949	224.87	0	0	00.00
361356	3 A	BENTON COOP TEL CO	634,808.01	2,823	224.87	0	0	00.00
361357	3 A	BLACKDUCK TEL CO	225,544.61	1,003	224.87	0	0	00.00
361358	3 A	BLUE EARTH VALLEY	1,602,423.62	7,126	224.87	0	0	00.00
361362	3 C	BRIDGEMATER TEL CO	1,259,528.74	4,170	302.04	105,675	1,101	03.09
361365	3 A	CALLAWAY TEL CO	70,837.20	216	327.95	9,110	95	00.26
361367	2 C	CENTEL OF MN	12,951,150.02	69,689	185.84	0	0	00.00
361370	3 C	CLARA CITY TEL EXCH	580,390.48	1,491	389.26	129,183	1,346	03.78
361372	3 A	CLEMENTS TEL CO	59,259.20	160	370.37	11,595	121	00.34
361373	3 A	CONSOLIDATED TEL CO	1,337,526.76	5,948	224.87	0	0	00.00
361374	3 C	ARROWHEAD COMM CORP	213,289.46	551	387.09	46,847	488	01.37
361375	3 A	MID-COMMUNICATIONS	1,646,498.14	7,322	224.87	0	0	00.00
361377	3 A	DANUBE TEL CO	100,148.64	444	225.56	0	0	00.00
361379	3 C	DEER RIVER TEL CO	507,311.08	1,560	325.19	63,007	656	01.84
361380	3 A	DELAVAN TEL CO	90,141.60	345	261.28	0	0	00.00
361381	3 A	DUNNELL TEL CO	78,332.80	260	301.28	6,458	67	00.18
361383	3 A	EAGLE VALLEY TEL CO	140,094.01	623	224.87	0	0	00.00

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 UNIVERSAL SERVICE FUND
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 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
361384	3 A	EASTON TEL CO	73,870.32	233	317.04	8,174	85	00.23
361385	3 C	EAST OTTER TAIL TEL	3,168,078.40	12,550	252.43	0	0	00.00
361386	3 A	ECKLES TEL CO	596,804.98	2,654	224.87	0	0	00.00
361387	3 A	EMILY COOP TEL CO	218,573.64	972	224.87	0	0	00.00
361389	3 A	FARMERS MUTUAL TEL	330,153.66	1,149	287.34	18,131	189	00.53
361390	3 A	FEDERATED TEL COOP	567,412.53	1,941	292.33	36,925	385	01.08
361391	3 A	FELTON TEL CO, INC.	220,221.70	691	318.70	24,989	260	00.73
361395	3 C	GARDEN VALLEY TEL CO	3,227,286.28	12,621	255.70	0	0	00.00
361396	3 A	GARDONVILLE COOP TEL	484,369.98	2,154	224.87	0	0	00.00
361399	3 A	GRANADA TEL CO	77,215.60	253	305.20	6,929	72	00.20
361401	3 A	HALSTAD TEL CO	550,282.25	1,421	387.25	120,975	1,260	03.54
361403	3 A	HANCOCK TEL CO - MN	149,088.81	663	224.87	0	0	00.00
361404	3 A	HARMONY TEL CO	194,779.06	826	235.81	0	0	00.00
361405	3 A	HILLS TEL CO, INC	157,967.04	528	299.18	12,395	129	00.36
361407	3 A	HOHMAN TEL CO	1,269,616.02	5,646	224.87	0	0	00.00
361408	3 A	HOME TEL CO - MN	350,572.33	1,559	224.87	0	0	00.00
361409	3 A	HUTCHINSON TEL CO	1,589,156.29	7,067	224.87	0	0	00.00
361410	3 C	JOHNSON TEL CO	784,119.17	1,316	595.83	0	0	00.00
361412	3 A	KASSON & MANTORVILLE	525,521.19	2,337	224.87	317,915	3,312	09.32
361413	3 A	K M P TEL CO	327,635.59	1,457	224.87	0	0	00.00
361414	3 C	LAKEDALE TEL CO	1,991,050.14	9,109	218.58	0	0	00.00
361419	3 A	LISMORE COOP TEL CO	88,524.48	332	266.64	772	8	00.02
361422	3 A	LONSDALE TEL CO	259,050.24	1,152	224.87	0	0	00.00
361423	3 A	LOWRY TEL CO	154,260.82	686	224.87	0	0	00.00
361424	3 A	MABEL COOP TEL - MN	185,283.62	734	252.43	0	0	00.00
361425	3 A	MADELIA TEL CO	334,606.56	1,488	224.87	0	0	00.00
361426	3 A	MANCHESTER-HARTLAND	164,066.80	568	288.85	9,520	99	00.27
361427	3 A	MANKATO CITIZENS TEL	5,661,776.86	25,178	224.87	0	0	00.00
361430	3 A	MELROSE TEL CO	1,511,126.40	6,720	224.87	0	0	00.00
361431	3 A	MIDWEST TEL CO	505,507.76	2,248	224.87	0	0	00.00
361433	2 C	MID STATE TEL CO	1,221,749.04	5,256	232.44	0	0	00.00
361437	3 A	MINNESOTA LAKE TEL	114,233.96	508	224.87	0	0	00.00
361439	3 A	MINNESOTA VALLEY TEL	264,405.76	986	268.16	3,266	34	00.09
361440	3 A	CANNON VLY TELECOM	401,617.82	1,786	224.87	0	0	00.00
361442	3 C	NEH ULM TELECOM, INC	1,580,253.53	8,013	197.21	0	0	00.00
361443	3 C	NORMAN COUNTY TEL CO	926,156.48	3,572	259.28	0	0	00.00
361445	3 A	NORTHLAND TEL CO	126,376.94	562	224.87	0	0	00.00
361448	3 A	OSAKIS TEL CO	329,434.55	1,465	224.87	0	0	00.00
361450	3 A	PARK REGION MUTUAL	763,658.52	3,396	224.87	0	0	00.00
361451	3 C	PAUL BUNYAN RURAL	1,673,387.57	4,966	336.96	238,566	2,485	06.99
361453	3 A	PEOPLES TEL CO - MN	297,977.04	1,304	228.51	0	0	00.00
361454	3 A	PINE ISLAND TEL CO	483,920.24	2,152	224.87	0	0	00.00
361456	2 C	UTC OF MINNESOTA	25,176,858.65	92,925	270.93	475,810	4,956	13.95
361472	3 A	REDWOOD COUNTY TEL	913,871.68	4,064	224.87	0	0	00.00
361473	3 A	ROCK DELL TEL CO	94,708.96	386	245.36	0	0	00.00
361474	3 A	ROTHSAY TEL CO, INC	109,511.69	487	224.87	0	0	00.00

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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
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 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/0 TRANSITION	PERCENT OF TOTAL
361475	3 A	RUNESTONE TEL ASSN	838,608.32	3,344	250.78	0	0	00.00
361476	3 A	SACRED HEART TEL CO	117,382.14	522	224.87	0	0	00.00
361479	3 A	SCOTT RICE TEL CO	1,692,371.62	7,526	224.87	0	0	00.00
361482	3 A	SHERBURNE CTY RURAL	1,243,531.10	5,530	224.87	0	0	00.00
361483	3 C	SLEEPY EYE TEL CO	1,410,152.14	5,137	274.50	38,223	398	01.12
361485	3 A	SPRING GROVE COOP	252,079.27	1,121	224.87	0	0	00.00
361487	3 A	STARBUCK TEL CO	243,084.47	1,081	224.87	0	0	00.00
361491	3 C	THIN VALLEY-ULEN TEL	801,807.14	2,719	294.89	56,250	586	01.64
361494	3 A	UPSALA COOP TEL ASSN	187,766.45	835	224.87	0	0	00.00
361495	3 A	VALLEY TEL CO - MN	146,165.50	650	224.87	0	0	00.00
361499	3 A	CROSSLAKE TEL CO	238,587.07	1,061	224.87	0	0	00.00
361500	3 A	NORTHERN TEL CO - MN	18,651.77	31	601.67	7,624	79	00.22
361501	3 A	WEST CENTRAL TEL	679,332.27	3,021	224.87	0	0	00.00
361502	3 A	WESTERN TEL CO	480,547.19	2,137	224.87	0	0	00.00
361505	3 A	WIKSTROM TEL CO, INC	1,257,141.06	5,279	238.14	0	0	00.00
361507	3 A	WINSTED TEL CO	278,164.19	1,237	224.87	0	0	00.00
361508	3 A	WINTHROP TEL CO	225,544.61	1,003	224.87	0	0	00.00
361510	3 A	HOODSTOCK TEL CO	380,176.52	1,228	309.59	37,138	387	01.08
361512	3 A	HOLVERTON TEL CO	62,131.22	173	359.14	11,080	115	00.32
361515	3 A	ZUMBROTA TEL CO	369,236.54	1,642	224.87	0	0	00.00
361654	3 A	INTERSTATE TELECOMM.	320,664.62	1,426	224.87	0	0	00.00
365142	1 C	NORTHWESTERN BELL-MN	329,940,416.14	1,627,491	202.72	0	0	00.00
STATE TOTAL			454,792,141.22	2,133,524	213.16	3,410,527	35,525	100.00
NEBRASKA								
371186	2 C	GTE NORTH INC. - NE	9,519,492.22	41,633	228.65	0	0	00.00
371516	3 C	ARAPAHOE TEL CO	436,157.71	1,013	430.56	119,145	1,241	02.73
371517	3 C	ARLINGTON TEL CO	389,470.16	888	438.59	109,791	1,144	02.52
371524	3 C	BLAIR TEL CO	1,321,858.98	4,982	265.32	7,342	77	00.16
371525	3 C	THREE RIVER TELCO	526,525.46	1,191	442.08	150,380	1,567	03.45
371526	3 A	CAMBRIDGE TEL CO -NE	252,978.75	1,125	224.87	0	0	00.00
371530	3 A	CONSOLIDATED TELCO	411,552.00	1,429	288.00	23,163	241	00.53
371531	3 A	CLARKS TEL CO	260,279.82	954	272.83	6,056	63	00.13
371532	3 A	CONSOLIDATED TEL CO	876,370.44	2,739	319.96	101,297	1,055	02.32
371534	3 C	COZAD TEL CO	540,226.92	2,363	228.61	0	0	00.00
371536	3 C	CURTIS TEL CO	327,584.94	729	449.36	96,021	1,000	02.20
371537	3 C	DALTON TEL CO, INC	707,075.22	1,246	567.47	274,502	2,859	06.30
371540	3 C	DILLER TEL CO	290,016.56	916	316.61	31,882	332	00.73
371542	3 C	EASTERN NEBRASKA TEL	772,730.33	2,334	331.07	103,189	1,075	02.37
371544	3 A	ELSIE MUTUAL TEL CO	66,082.56	192	344.18	10,143	106	00.23
371545	3 A	EUSTIS TEL EXCHANGE	100,148.64	444	225.56	0	0	00.00

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TABLE 3.3

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NATIONAL EXCHANGE CARRIER ASSOCIATION
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 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
371553	3 A	GLENWOOD TEL MEMBER	565,772.92	2,516	224.07	0	0	00.00
371555	3 A	HAMILTON TEL CO	1,122,775.91	4,993	224.07	0	0	00.00
371556	3 A	HARTINGTON TEL CO	300,876.06	1,338	224.07	0	0	00.00
371557	3 C	HARTMAN TEL EXCH INC	330,828.76	446	741.76	156,556	1,631	03.59
371558	3 C	HEMINGFORD COOP TEL	253,463.98	838	302.46	21,459	224	00.49
371559	3 A	HENDERSON CO-OP TEL	205,980.92	916	224.07	0	0	00.00
371561	3 A	HERSHEY COOP TEL CO	147,739.59	657	224.07	0	0	00.00
371562	3 A	HOME TEL CO OF NE	176,678.69	661	267.29	1,816	19	00.04
371563	3 A	HOOPER TEL CO	251,404.66	1,118	224.87	0	0	00.00
371565	3 A	K & M TEL CO, INC	170,760.90	615	277.66	5,835	61	00.13
371567	3 C	KEYSTONE-ARTHUR TEL	341,176.80	565	603.05	139,885	1,457	03.21
371568	2 C	LINCOLN TEL & TEL CO	38,914,653.68	211,496	183.99	0	0	00.00
371574	3 C	NEBRASKA CENTRAL TEL	1,184,479.07	3,400	348.37	190,338	1,983	04.37
371576	3 A	NORTHEAST NEBRASKA	1,031,192.80	3,740	275.72	30,770	321	00.70
371577	3 C	GREAT PLAINS COMMUN	8,014,759.54	24,622	325.51	999,428	10,411	22.95
371580	3 C	PETERSBURG TEL CO	257,088.02	434	592.36	103,714	1,080	02.38
371581	3 A	PIERCE TEL CO	362,040.70	1,610	224.87	0	0	00.00
371582	3 A	PLAINVIEW TEL CO	255,677.19	1,137	224.87	0	0	00.00
371586	3 C	ROCK COUNTY TEL CO	631,557.10	972	649.75	274,113	2,855	06.29
371587	3 A	ROEEO TEL, INC	581,843.40	2,454	237.10	0	0	00.00
371590	3 A	SODTOWN TEL CO	36,851.88	78	472.46	11,625	121	00.26
371591	3 C	SE NEBRASKA TEL CO	1,986,341.42	3,778	525.76	714,134	7,439	16.40
371592	3 C	STANTON TEL CO, INC	436,034.29	993	439.10	123,161	1,283	02.82
371595	2 C	UTC OF THE WEST-NE	5,938,001.95	22,854	259.82	0	0	00.00
371597	3 C	HAUNETA TEL CO	591,910.54	637	929.21	313,156	3,262	07.19
372455	3 C	BENKELMAN TEL CO	620,535.91	1,123	552.56	234,846	2,446	05.39
375143	1 C	NORTHWESTERN BELL-NE	70,053,872.60	424,867	164.88	0	0	00.00
STATE TOTAL			151,562,850.10	783,036	193.55	4,353,747	45,353	100.00
NORTH DAKOTA								
381447	2 C	CONTEL OF N. DAKOTA	2,933,655.81	9,779	299.99	234,787	2,446	09.81
381509	3 A	MOLVERTON TEL CO	107,852.25	275	392.19	24,430	255	01.02
381601	3 A	ABSARAKA COOP TEL CO	18,189.90	30	606.33	7,483	78	00.31
381604	3 A	BEK TEL MUTUAL AID	1,019,442.71	3,653	279.07	38,009	396	01.58
381607	3 C	CONSOLIDATED COOP	2,447,410.97	4,115	594.75	990,724	10,320	41.40
381610	3 A	DAKOTA CENTRAL RURAL	667,419.00	2,348	284.25	32,336	337	01.35
381611	3 A	DICKEY RURAL COOP	1,072,835.40	2,730	392.98	244,149	2,543	10.20
381614	3 A	GILBY TEL CO	78,173.97	259	301.03	6,526	68	00.27
381615	3 A	GRIGGS COUNTY TEL CO	337,305.00	1,500	224.07	0	0	00.00
381616	3 C	INTER-COMMUNITY TEL	554,512.95	1,228	451.55	163,774	1,706	06.84
381617	3 C	HIOSTATE TEL CO	428,039.98	1,415	303.06	36,796	383	01.53

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NATIONAL EXCHANGE CARRIER ASSOCIATION
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 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
381622	3 A	MOORE & LIBERTY TEL	165,729.19	737	224.87	0	0	00.00
381623	3 A	NOONAN FARMERS TEL	68,197.22	202	337.61	9,788	102	00.40
381624	3 A	NORTH. STATES POWER	4,763,421.21	21,183	224.87	0	0	00.00
381625	3 A	NORTHWEST COMM COOP	1,045,088.08	3,547	294.64	72,803	758	03.04
381630	3 C	POLAR COMM MUT AID	1,998,088.14	8,454	236.34	0	0	00.00
381631	3 A	RED RIVER RURAL TEL	525,281.12	1,678	313.04	54,510	568	02.27
381632	3 C	RESERVATION TEL COOP	1,696,819.28	4,247	399.53	400,680	4,174	16.74
381634	3 C	SOURIS RIVER TEL MUT	3,103,402.33	11,608	267.35	32,350	337	01.35
381636	3 A	UNITED TEL MUTUAL	982,007.29	4,367	224.87	0	0	00.00
381637	3 C	H. RIVER MUTUAL AID	1,853,595.60	8,751	211.81	0	0	00.00
381638	3 A	YORK TEL. CO.	22,762.80	40	569.07	8,859	92	00.36
382247	3 A	NEMONT TEL COOP - ND	110,225.31	233	473.07	34,833	363	01.45
385144	1 C	NORTHWESTERN BELL-ND	63,407,512.44	243,785	260.09	0	0	00.00
=====								
STATE TOTAL			89,407,767.97	336,164	265.96	2,392,837	24,926	100.00
=====								
SOUTH DAKOTA								

391640	3 A	ARMOUR INDEPENDENT	142,117.84	632	224.87	0	0	00.00
391642	3 A	BALTIC TELECOM COOP.	242,859.60	1,080	224.87	0	0	00.00
391643	2 C	CONTEL OF S. DAKOTA	2,601,833.45	7,273	357.73	458,212	4,773	21.51
391647	3 C	CHEYENNE RIVER SIOUX	811,885.45	1,743	465.79	251,073	2,615	11.78
391649	3 A	BERESFORD MUNICIPAL	228,917.66	1,018	224.87	0	0	00.00
391650	3 A	CITY OF BROOKINGS	2,032,375.06	9,038	224.87	0	0	00.00
391652	3 A	DAKOTA COOP TELECOMM	1,178,543.67	5,241	224.87	0	0	00.00
391653	3 A	CITY OF FAITH MUNIC	86,240.10	314	274.65	2,365	25	00.11
391654	3 A	INTERSTATE TELECOMM.	1,508,751.78	6,114	246.77	0	0	00.00
391657	3 A	SPLITROCK TELECOM	567,347.01	2,523	224.87	0	0	00.00
391659	3 C	GOLDEN WEST TELECOMM	4,098,450.86	11,867	345.36	637,547	6,641	29.93
391660	3 A	MT RUSHMORE TEL	82,538.33	287	287.59	4,575	48	00.21
391661	3 A	HANSON COUNTY TEL CO	113,334.48	504	224.87	0	0	00.00
391664	3 A	JAMES VALLEY COOP	608,893.56	1,969	309.24	59,100	616	02.77
391666	3 C	JEFFERSON TEL CO -SD	145,595.03	468	311.10	14,613	152	00.68
391667	3 C	KADOKA TELEPHONE CO	95,193.59	498	191.15	0	0	00.00
391668	3 C	KENNEBEC TEL CO	189,241.49	265	714.11	87,526	912	04.11
391669	3 A	HCCOOK COOP TEL CO	261,380.16	752	347.58	41,647	434	01.95
391670	3 A	MIDSTATE TEL COMPANY	717,534.79	2,417	296.87	53,113	553	02.49
391674	3 A	ROBERTS COUNTY COOP	139,297.20	420	331.66	18,727	195	00.87
391676	3 A	SANBORN TEL COOP	628,187.43	2,391	262.73	0	0	00.00
391677	3 A	SIOUX VALLEY TEL. CO	1,027,431.03	4,569	224.87	0	0	00.00
391679	3 A	STOCKHOLM-STRANDBURG	67,417.02	198	340.49	9,964	104	00.46
391680	3 A	SULLY BUTTES TEL	1,171,908.60	3,876	302.35	98,980	1,031	04.64
391682	3 A	TRI-COUNTY MUTUAL-SD	142,951.57	439	325.63	17,853	186	00.83

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391684	3 A	UNION TEL CO.	230,716.62	1,026	224.87	0	0	00.00
391685	3 A	VALLEY TELECOMM.	571,256.14	1,967	290.42	34,977	364	01.64
391686	3 A	VIVIAN TELEPHONE CO	43,086.68	98	439.66	12,195	127	00.57
391688	3 A	WESTERN TEL CO.	196,138.02	841	233.22	0	0	00.00
391689	3 C	WEST RIVER COOP	843,499.26	1,407	567.24	327,339	3,410	15.37
395145	1 C	NORTHWESTERN BELL-SD	60,296,969.64	241,379	249.80	0	0	00.00
STATE TOTAL			81,071,893.15	312,694	259.26	2,129,806	22,186	100.00
ARKANSAS								
401691	2 C	ALLTEL ARKANSAS INC	18,670,636.42	54,735	341.10	2,776,754	28,925	15.92
401692	3 C	ARKANSAS TEL CO	1,405,399.99	5,399	260.30	0	0	00.00
401697	3 C	CENTRAL ARKANSAS TEL	652,489.26	1,951	334.43	90,517	943	00.51
401698	2 C	CLEVELAND COUNTY TEL	856,803.60	1,415	605.51	352,093	3,668	02.01
401699	2 C	DECATUR TEL CO INC	212,476.04	674	315.24	22,863	238	00.13
401702	3 C	SOUTH ARKANSAS TEL	978,548.98	3,140	311.63	99,146	1,033	00.56
401704	3 A	LAVACA TEL CO-AR	250,280.31	1,113	224.87	0	0	00.00
401705	2 C	LIBERTY TEL & COMM	3,583,925.63	10,444	343.15	543,786	5,664	03.11
401709	3 C	MADISON COUNTY TEL	613,612.79	1,892	324.31	75,334	785	00.43
401710	3 A	MAGAZINE TEL CO	174,672.45	645	270.81	3,248	34	00.01
401711	2 C	MOUNTAIN HOME TEL	3,598,558.35	13,268	271.22	70,351	733	00.40
401712	3 A	MOUNTAIN VIEW TEL CO	790,001.34	3,426	230.59	0	0	00.00
401713	3 C	NORTH ARKANSAS TEL	1,285,302.51	3,703	347.09	203,745	2,122	01.16
401717	3 A	PERCO TELEPHONE CO	527,562.18	1,962	268.89	7,431	77	00.04
401718	3 A	PRAIRIE GROVE TEL CO	1,323,584.82	5,886	224.87	0	0	00.00
401720	2 C	REDFIELD TEL CO	531,230.31	1,277	415.99	136,251	1,419	00.78
401721	3 A	RICE BELT TEL CO	251,567.40	890	282.66	11,337	118	00.06
401722	3 A	E RITTER TEL CO	811,330.96	3,608	224.87	0	0	00.00
401724	3 A	SW ARKANSAS TEL COOP	995,499.49	4,427	224.87	0	0	00.00
401726	3 C	TRI-COUNTY TEL CO-AR	1,382,009.50	3,699	373.61	277,099	2,886	01.58
401727	2 C	UNION TEL CO INC	532,570.94	846	629.51	225,743	2,352	01.29
401728	2 C	UTC OF ARKANSAS	3,986,146.16	15,279	260.89	0	0	00.00
401729	3 C	WALNUT HILL TEL CO	2,341,238.52	4,201	557.30	893,466	9,307	05.12
401730	2 C	CONTEL OF ARKANSAS	22,628,018.07	60,592	373.44	4,531,334	47,201	25.98
401733	3 C	YELCOT TEL CO INC	873,161.44	2,399	363.96	162,350	1,691	00.93
401734	3 C	YELL COUNTY TEL CO	941,843.33	4,034	233.47	0	0	00.00
402080	2 C	GTE SOUTHWEST INC-AR	21,677,837.46	59,105	366.76	4,124,014	42,959	23.65
405211	1 C	SOUTHWESTERN BELL-AR	205,066,232.27	672,006	305.15	2,828,977	29,469	16.22

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STATE TOTAL			296,942,540.61	942,016	315.22	17,435,839	181,624	100.00
KANSAS								
411741	3 C	ASSARIA TEL EXCHANGE	136,380.48	422	323.17	16,490	172	00.12
411746	3 C	BLUE VALLEY TEL CO	729,128.33	2,637	276.49	23,032	240	00.16
411756	3 A	COLUMBUS TELEPHONE	413,311.06	1,838	224.87	0	0	00.00
411758	3 A	COUNCIL GROVE TEL CO	370,360.89	1,647	224.87	0	0	00.00
411761	3 C	CUNNINGHAM TEL CO	622,812.38	1,515	411.09	156,078	1,626	01.15
411764	3 C	ELKHART TEL CO INC	330,819.06	1,407	235.12	0	0	00.00
411777	3 A	GOLDEN BELT TEL ASSN	1,183,994.31	3,567	331.93	159,672	1,663	01.17
411778	3 A	GORHAM TEL CO	111,996.60	292	383.55	24,048	251	00.17
411780	3 A	HAVILAND TEL CO	994,180.98	3,473	286.26	52,367	546	00.38
411781	3 C	H & B COMMUNICATIONS	494,096.26	950	520.10	175,533	1,829	01.29
411782	3 C	HOME TEL CO	573,654.32	1,194	480.44	185,111	1,928	01.36
411785	2 C	J. B. N. TEL CO INC	700,799.58	2,105	332.92	95,582	996	00.70
411788	3 C	KANOKLA TEL ASSN-KS	803,439.90	2,270	353.93	136,544	1,422	01.00
411789	2 C	KANSAS STATE TEL CO	1,096,231.19	5,137	213.39	0	0	00.00
411790	2 C	CONTEL OF KANSAS	21,568,622.33	44,827	481.15	6,973,259	72,638	51.41
411791	3 A	LA HARPE TEL CO INC	89,009.76	336	264.91	403	4	00.00
411801	3 C	MADISON TEL CO INC	445,082.89	747	595.82	180,452	1,880	01.33
411807	3 C	MOKAN DIAL INC-KS	495,076.46	1,883	262.91	0	0	00.00
411808	3 C	MOUNDRIDGE TEL CO	1,032,266.91	2,120	486.91	338,960	3,531	02.49
411809	3 A	MUTUAL TEL CO	99,818.40	440	226.86	0	0	00.00
411814	3 C	PEOPLES MUTUAL TEL	370,468.75	996	371.95	73,372	764	00.54
411817	3 C	PIONEER TEL ASSN INC	1,938,306.71	10,809	179.32	0	0	00.00
411818	3 C	CRAH-KAN TEL COOP	3,107,911.45	11,386	272.95	73,250	763	00.54
411820	3 A	RAINBOW TEL COOP	577,092.32	1,786	323.12	69,720	726	00.51
411826	3 C	RURAL TEL SERVICE CO	2,893,434.99	6,554	441.47	824,538	8,589	06.07
411827	3 C	S & T TEL COOP ASSN	1,050,805.00	1,598	657.57	460,035	4,792	03.39
411829	3 A	S & A TEL CO INC	178,407.80	674	264.70	717	8	00.00
411831	3 C	S. CENTRAL TEL - KS	412,761.76	1,065	387.56	90,923	947	00.67
411833	3 A	SOUTHERN KANSAS TEL	980,913.50	3,149	311.50	99,144	1,033	00.73
411835	3 C	SUNFLOWER TEL CO	2,103,711.71	3,841	547.69	789,217	8,221	05.81
411839	3 A	TRI-COUNTY TEL ASSN	975,527.49	3,117	312.97	101,115	1,053	00.74
411840	3 C	THIN VALLEY TEL INC	998,727.55	2,119	471.32	314,007	3,271	02.31
411841	3 C	UNITED TEL ASSN	1,729,858.94	4,492	385.09	375,180	3,908	02.76
411842	2 C	UTC OF KANSAS	17,965,115.52	62,991	285.20	906,401	9,442	06.68
411845	3 A	WAMEGO TEL CO INC	810,206.61	3,603	224.87	0	0	00.00
411847	3 C	THE WHEAT STATE TEL	901,136.69	1,931	466.66	279,414	2,911	02.06
411849	3 C	WILSON TEL CO INC	808,021.77	2,051	393.96	184,932	1,926	01.36
411852	3 C	ZENDA TEL COMPANY	127,363.09	228	558.61	48,713	507	00.35
412030	3 C	TOTAH TELEPHONE CO	828,245.43	1,296	639.07	355,112	3,699	02.61
415214	1 C	SOUTHWESTERN BELL-KS	236,390,868.38	988,901	239.04	0	0	00.00

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
STATE TOTAL			307,439,967.68	1,191,394	258.05	13,563,321	141,286	100.00
MISSOURI								
421186	2 C	GTE NORTH INC. - MO	25,864,595.51	85,950	300.92	2,115,562	22,037	06.37
421206	3 A	IAMO TEL CO - MO	330,624.00	1,152	287.00	17,924	187	00.05
421759	3 A	CRAW-KAN TEL COOP-MO	522,632.94	1,923	271.78	10,896	114	00.03
421807	3 C	MOKAN DIAL INC-MO	179,181.38	567	316.01	19,517	203	00.05
421846	2 C	CONTINENTAL SYS. -MO	12,924,065.32	34,242	377.43	2,662,978	27,739	08.02
421859	3 C	BOURBEUSE TEL	433,932.29	1,591	272.74	10,007	104	00.03
421860	3 A	ALMA TEL CO	87,400.57	323	270.59	1,580	17	00.00
421864	3 A	CHARITON VALLEY TEL	1,701,658.86	6,919	245.94	0	0	00.00
421865	3 C	CITIZENS TEL CO - MO	824,203.65	3,368	244.71	0	0	00.00
421873	3 C	EASTERN MISSOURI TEL	1,003,091.03	2,476	405.12	243,995	2,542	00.73
421874	3 A	ELLINGTON TEL CO	379,676.50	1,225	309.94	37,326	389	00.11
421876	3 A	FARBER TEL CO	69,722.10	210	332.01	9,411	98	00.02
421882	3 C	FIDELITY TEL CO	2,596,932.96	9,754	266.24	20,145	210	00.06
421885	2 C	ALLTEL MISSOURI	7,399,504.08	19,765	374.37	1,491,750	15,539	04.49
421886	3 C	GOODMAN TEL CO	475,035.05	1,355	350.57	78,091	813	00.23
421887	3 A	GRANBY TEL CO - MO	437,147.28	1,944	224.87	0	0	00.00
421888	3 C	GRAND RIVER MUT-MO	3,938,594.49	12,248	321.57	465,789	4,852	01.40
421890	3 A	GREEN HILLS TEL CORP	837,915.88	2,711	309.08	81,089	845	00.24
421893	3 A	CHOCTAW TELEPHONE CO	95,902.08	398	240.96	0	0	00.00
421900	3 A	KLM TEL CO	325,067.10	1,115	291.54	20,639	215	00.06
421901	3 C	KINGDOM TELEPHONE CO	963,784.57	2,445	394.18	220,879	2,301	00.66
421904	3 C	MISSOURI TEL CO	4,291,455.97	15,285	280.76	175,829	1,832	00.52
421908	3 C	LE-RU TELEPHONE CO	720,542.92	932	773.11	349,061	3,636	01.05
421912	3 A	MCOONALD COUNTY TEL	420,506.90	1,870	224.87	0	0	00.00
421914	3 A	MARK THAIN RURAL TEL	1,117,837.53	3,771	296.43	81,788	852	00.24
421917	3 A	MID-MISSOURI TEL CO	919,553.04	2,991	307.44	86,276	899	00.26
421920	3 A	MILLER TEL CO - MO	195,636.90	870	224.87	0	0	00.00
421922	2 C	CONTEL OF MISSOURI	61,679,375.25	127,167	485.02	20,152,074	209,917	60.72
421927	3 A	NEW FLORENCE TEL CO	89,491.40	340	263.21	32	0	00.00
421928	2 A	NEW LONDON TEL CO	179,671.13	799	224.87	0	0	00.00
421929	2 C	HOLWAY TEL CO	288,075.23	613	469.94	90,204	940	00.27
421931	3 C	NE MISSOURI RURAL	1,801,611.67	3,316	543.30	670,426	6,984	02.02
421932	3 C	LATHROP TEL COMPANY	228,934.36	1,062	215.56	0	0	00.00
421934	3 C	ORCHARD FARM TEL CO	274,028.17	641	427.50	73,921	770	00.22
421935	3 A	OREGON FARMERS MUT	224,420.26	998	224.87	0	0	00.00
421936	3 A	PEACE VALLEY TEL CO	79,728.91	269	296.39	5,827	61	00.01
421942	3 A	ROCK PORT TEL CO	340,003.44	1,512	224.87	0	0	00.00
421945	3 A	SENECA TEL CO	504,608.28	2,244	224.87	0	0	00.00
421949	3 A	STEELVILLE TEL EXCH	720,708.35	3,205	224.87	0	0	00.00
421951	2 C	STOUTLAND TEL CO	539,770.37	870	620.42	226,216	2,356	00.68
421957	2 C	UTC OF MISSOURI	48,535,493.05	165,988	292.40	3,165,287	32,972	09.53
421963	2 C	WEBSTER COUNTY TEL	2,007,912.40	4,524	443.83	577,157	6,012	01.73

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421964	3 A	MHEELING TEL CO	117,838.41	317	371.73	23,297	243	00.07
425213	1 C	SOUTHWESTERN BELL-MO	382,804,599.26	1,882,503	203.34	0	0	00.00
STATE TOTAL			569,472,470.92	2,413,768	235.92	33,184,973	345,679	100.00
OKLAHOMA								
431704	3 A	LAVACA TEL CO-OK	242,634.73	1,079	224.87	0	0	00.00
431788	3 C	KANOKLA TEL ASSN-OK	558,983.41	1,281	436.36	156,239	1,628	00.66
431831	3 C	S. CENTRAL TEL - OK	151,670.13	397	382.04	32,247	336	00.13
431965	2 C	ALLTEL OKLAHOMA INC	5,292,312.65	10,481	504.94	1,817,424	18,932	07.68
431966	3 C	ATLAS TEL CO	569,692.42	1,373	414.92	145,392	1,515	00.61
431968	3 A	BEGGS TEL CO	281,312.37	1,251	224.87	0	0	00.00
431969	3 A	BIXBY TEL CO	1,243,306.23	5,529	224.87	0	0	00.00
431974	3 C	CANADIAN VALLEY TEL	416,513.10	818	509.18	144,443	1,505	00.61
431976	3 C	CARNEGIE TEL CO INC	455,079.08	1,497	303.99	39,824	415	00.16
431977	3 A	CENTRAL OKLAHOMA TEL	581,624.82	2,038	285.39	29,577	308	00.12
431979	3 C	CHEROKEE TEL CO	1,062,630.88	4,156	255.68	0	0	00.00
431980	3 C	CHICKASAW TEL CO	2,020,730.37	6,928	291.67	128,870	1,342	00.54
431981	3 C	CHOUTEAU TEL CO	1,235,654.88	2,642	467.69	384,336	4,004	01.62
431982	3 A	CIMARRON TEL CO	1,390,820.95	6,185	224.87	0	0	00.00
431984	2 C	OKLAHOMA COMM SYSTEM	6,245,014.83	12,389	504.07	2,140,284	22,295	09.05
431985	3 C	CROSS TEL CO	2,313,014.02	7,024	329.30	302,413	3,150	01.27
431988	3 C	DOBSON TEL CO	2,345,223.22	4,096	572.56	917,982	9,562	03.88
431994	3 C	GRAND TEL CO INC	699,747.28	2,124	329.44	91,654	955	00.38
431995	3 C	HINTON TEL CO	1,233,031.14	3,149	391.56	278,267	2,899	01.17
432006	3 C	MCCLOUD TEL CO	1,744,033.98	5,752	303.20	150,066	1,563	00.63
432008	3 A	MEDICINE PARK TEL CO	123,228.76	548	224.87	0	0	00.00
432010	3 C	MID-AMERICA TEL INC	388,107.08	1,399	277.41	13,055	136	00.05
432011	2 C	OKLAHOMA ALLTEL, INC	4,274,253.23	9,524	448.78	1,250,399	13,025	05.28
432013	3 C	OKLAHOMA TEL & TEL	864,544.24	1,752	493.46	288,715	3,007	01.22
432014	3 C	OKLAHOMA WESTERN TEL	1,783,143.49	2,523	706.75	819,386	8,535	03.46
432016	3 C	PANHANDLE TEL COOP	2,448,168.48	4,218	580.40	970,158	10,106	04.10
432017	3 A	PINE TELEPHONE CO	1,094,217.42	4,866	224.87	0	0	00.00
432018	3 C	PIONEER TEL COOP INC	11,393,717.22	35,139	324.24	1,397,543	14,558	05.91
432020	3 C	POTTAMATOMIE TEL CO	1,714,306.59	1,743	983.53	927,889	9,666	03.92
432022	3 A	SALINA-SPAVINAW TEL	1,123,900.26	4,998	224.87	0	0	00.00
432023	3 A	SHIDLER TEL CO	319,437.85	905	352.97	53,779	560	00.22
432025	3 A	SH OKLAHOMA TEL CO	322,135.38	918	350.91	53,133	554	00.22
432029	3 A	TERRAL TEL CO	83,390.73	293	284.61	4,103	43	00.01
432030	3 C	TOTAH TELEPHONE CO	1,157,097.46	1,663	695.78	526,404	5,483	02.22
432032	3 C	VALLIANT TEL CO	729,984.27	1,727	422.68	192,930	2,010	00.81
432034	2 C	MYANDOTTE TEL CO	163,569.09	353	463.36	50,205	523	00.21

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
432080	2 C	GTE SOUTHWEST INC-OK	39,581,729.02	94,373	419.41	10,311,370	107,410	43.60
432141	3 A	SANTA ROSA TEL COOP	211,631.28	644	328.62	27,442	286	00.11
435215	1 C	SOUTHWESTERN BELL-OK	321,119,958.16	1,228,977	261.29	0	0	00.00
=====								
STATE TOTAL			418,979,550.63	1,476,752	283.71	23,645,529	246,311	100.00
TEXAS								
440425	3 C	CAMERON TEL CO TEXAS	446,938.54	970	460.76	136,058	1,417	00.19
442038	3 A	BLOSSOM TEL CO	218,573.64	972	224.87	0	0	00.00
442039	3 C	BIG BEND TEL CO INC	2,582,555.64	2,434	1,061.03	1,437,202	14,971	02.01
442040	3 C	BRAZORIA TEL CO	1,920,273.62	5,094	376.96	394,399	4,108	00.55
442041	3 C	BRAZOS TEL COOP INC	1,033,659.78	1,134	911.51	542,434	5,650	00.75
442043	3 A	BYERS & PETROLIA TEL	189,319.05	771	245.55	0	0	00.00
442046	3 C	CAP ROCK TEL CO INC	1,156,865.25	2,285	506.28	398,536	4,151	00.55
442052	3 C	CENTRAL TEXAS CO-OP	3,150,190.01	3,465	909.14	1,651,278	17,201	02.30
442057	3 A	COLEMAN COUNTY CO-OP	509,714.73	1,827	278.99	18,914	197	00.02
442059	3 C	COLORADO VALLEY TEL	2,242,204.01	4,829	464.32	690,242	7,190	00.96
442060	3 A	COMANCHE COUNTY TEL	1,048,793.68	4,664	224.87	0	0	00.00
442061	3 A	COMMUNITY TEL CO	453,749.00	1,459	311.00	45,461	474	00.06
442065	3 A	CUMBY TEL COOP INC	125,702.33	559	224.87	0	0	00.00
442066	3 C	DELL TEL. CO-OP - TX	1,130,955.14	468	2,416.57	752,134	7,835	01.05
442068	3 C	EASTEX TEL COOP INC	8,385,758.67	20,078	417.65	2,167,256	22,576	03.03
442069	3 A	ELECTRA TELEPHONE CO	381,829.26	1,698	224.87	0	0	00.00
442070	3 C	EYEX TEL COOP INC	2,665,342.80	9,020	295.49	190,122	1,980	00.26
442071	3 C	FIVE AREA TEL CO-OP	1,445,757.20	1,465	986.86	783,543	8,162	01.09
442072	3 C	FORT BEND TEL CO	5,996,652.82	16,546	362.42	1,100,505	11,464	01.53
442076	3 C	GANADO TELEPHONE CO	448,990.96	1,246	360.34	80,939	843	00.11
442080	2 C	GTE SOUTHWEST INC-TX	350,228,073.68	1,006,780	347.86	8,538,249	88,940	11.94
442083	3 C	GUADALUPE VALLEY TEL	5,292,088.23	14,649	361.25	961,587	10,017	01.34
442084	2 C	UTC OF TEXAS INC	39,607,494.97	95,840	413.26	10,029,595	104,475	14.02
442086	3 C	HILL COUNTRY CO-OP	4,875,766.73	8,904	547.59	1,828,786	19,050	02.55
442090	3 A	ALENCO COMMUNICATION	49,121.77	89	551.93	18,569	193	00.02
442093	3 C	INDUSTRY TEL CO	1,151,248.82	1,558	738.92	543,577	5,662	00.76
442097	3 C	KERRVILLE TEL CO	2,775,283.92	13,892	199.77	0	0	00.00
442099	3 A	KNIPPA TELEPHONE CO	48,196.84	116	415.49	12,332	129	00.01
442101	3 C	LAKE DALLAS TEL CO	1,437,254.01	4,239	339.05	209,372	2,181	00.29
442103	3 C	LA HARD TEL EXCHANGE	526,415.60	846	622.24	221,124	2,303	00.30
442104	3 C	LAKE LIVINGSTON TEL	481,790.44	922	522.54	172,053	1,792	00.24
442105	3 A	LIPAN TEL CO	192,574.08	804	239.52	0	0	00.00
442107	3 A	LIVINGSTON TEL CO	986,729.56	4,388	224.87	0	0	00.00
442109	2 C	LUFKIN-CONROE TEL EX	16,809,180.13	50,266	288.49	963,013	10,031	01.34
442112	3 C	MID-PLAINS RURAL TEL	1,217,219.01	2,021	602.28	498,003	5,188	00.69

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
442114	2 C	CENTEL OF TEXAS	36,202,592.13	117,259	308.74	3,481,463	36,265	04.86
442116	3 C	MUENSTER TEL CORP-TX	465,657.83	1,640	283.93	22,255	232	00.03
442117	2 C	MUSTANG TEL CO	916,650.27	2,224	412.16	230,888	2,405	00.32
442121	2 C	ALLTEL TEXAS INC	857,483.51	2,659	322.48	102,694	1,070	00.14
442129	3 C	PEEPLS TELEPHONE CO	657,565.38	895	734.70	309,427	3,223	00.43
442130	3 C	PEOPLES TEL COOP -TX	2,180,193.48	6,826	319.39	249,963	2,604	00.34
442131	3 C	POKA-LAMBRO RURAL	2,064,707.11	3,246	636.07	882,122	9,189	01.23
442134	3 C	RIVIERA TEL CO INC	473,253.30	815	580.67	187,618	1,954	00.26
442135	3 C	SOUTHWEST TEXAS TEL	1,755,927.28	2,012	872.72	903,879	9,415	01.26
442136	2 C	ROMAIN TELEPHONE CO	641,719.77	845	759.43	307,807	3,206	00.43
442140	3 A	SAN MARCOS TEL CO	4,372,597.15	19,445	224.87	0	0	00.00
442141	3 A	SANTA ROSA TEL COOP	581,846.98	1,553	374.66	117,549	1,225	00.16
442143	3 A	SOUTH PLAINS TEL	1,144,484.37	3,519	325.23	142,198	1,481	00.19
442147	3 C	SUGAR LAND TEL CO	5,349,267.72	23,415	228.45	0	0	00.00
442148	3 C	SHEENY-OLD OCEAN	990,188.46	2,549	388.46	219,320	2,285	00.30
442150	3 A	TATUM TEL CO	157,184.13	699	224.87	0	0	00.00
442151	3 C	TAYLOR TEL CO-OP INC	1,729,919.43	5,244	329.88	227,788	2,373	00.31
442153	2 C	TEXAS-MIOLAND TEL	5,465,522.78	9,119	599.35	2,227,013	23,198	03.11
442154	2 C	CONTEL OF TEXAS	71,288,083.58	149,497	476.85	22,773,531	237,224	31.85
442155	3 C	TRI-COUNTY TEL - TX	369,681.15	766	482.61	119,997	1,250	00.16
442156	2 C	TRINITY VALLEY TEL	2,817,242.31	5,191	542.71	1,047,216	10,909	01.46
442159	3 C	VALLEY TEL CO-OP -TX	3,785,370.82	4,156	910.82	1,985,786	20,685	02.77
442160	3 C	VALLEY VIEW TEL CO	333,928.99	855	390.56	74,912	780	00.10
442163	3 C	WATERWOOD COMM INC	193,041.08	378	510.69	67,176	700	00.09
442166	3 C	WEST TEXAS RURAL TEL	1,116,804.17	1,703	655.78	487,976	5,083	00.68
442168	3 C	WES-TEX TEL CO-OP	1,421,017.98	3,073	462.42	434,865	4,530	00.60
442170	3 C	XIT RURAL TEL CO-OP	891,388.84	986	904.04	466,116	4,855	00.65
442262	3 C	ENMR TEL COOP-TX	250,904.53	734	341.83	37,579	391	00.05
445216	1 C	SOUTHWESTERN BELL-TX	1,522,828,564.48	6,209,116	245.25	0	0	00.00
STATE TOTAL			2,132,515,053.17	7,874,717	270.80	71,492,421	744,712	100.00
ARIZONA								
452171	3 C	ARIZONA TELEPHONE CO	989,695.19	1,688	586.31	395,716	4,122	02.93
452172	2 C	CITIZENS UTILITIES	17,341,964.81	39,858	435.09	4,823,390	50,244	35.78
452173	3 C	PAPAGO TRIBAL UTIL.	302,209.24	643	469.99	94,647	986	00.70
452174	3 A	SOUTHWESTERN TEL CO	384,077.96	1,708	224.87	0	0	00.00
452175	3 C	UNIVERSAL TEL OF SH	328,912.67	1,045	314.74	35,108	366	00.26
452176	3 C	VALLEY TEL COOP-AZ	1,287,615.52	1,728	745.14	610,950	6,364	04.53
452177	2 C	CONTEL OF WEST-AZ	11,129,946.25	22,282	499.50	3,772,829	39,300	27.98
452275	2 C	NAVAJO COMMUN-AZ	6,444,874.67	6,701	961.77	3,457,929	36,020	25.65
452302	2 C	CONTEL CALIF - AZ	1,705,147.76	4,818	353.91	289,703	3,018	02.14

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455101	1 C	MOUNTAIN BELL - AZ	406,801,732.06	1,611,957	252.36	0	0	00.00
STATE TOTAL			446,716,176.17	1,692,428	263.94	13,480,272	140,420	100.00
COLORADO								
461835	3 C	SUNFLOWER TEL - CO	158,224.87	292	541.86	58,721	612	02.23
462178	3 A	AGATE TEL CO	26,832.50	50	536.65	9,859	103	00.37
462181	3 C	BIJOU TEL COOP ASSOC	291,201.08	951	306.20	26,671	278	01.01
462182	3 C	BLANCA TEL CO	255,037.64	463	550.83	96,223	1,002	03.65
462184	3 C	DELTA COUNTY TEL CO	1,462,360.08	5,869	249.16	0	0	00.00
462185	2 C	EAGLE TELECOMM INC	2,326,924.65	5,089	457.24	700,421	7,296	26.63
462186	3 C	EASTERN SLOPE RURAL	1,134,819.14	3,918	289.64	67,684	705	02.57
462187	1 C	EL PASO COUNTY TEL	932,216.75	1,699	540.68	350,358	3,650	13.32
462188	3 C	FARMERS TEL CO - CO	183,382.16	269	681.71	82,310	857	03.12
462190	3 C	HAXTUN TEL CO	362,166.87	1,135	319.08	41,334	431	01.57
462192	3 C	BIG SANDY TELCOMM	490,181.26	654	749.51	233,366	2,431	08.87
462193	3 C	NUCLA-NATURITA TEL	488,800.33	1,020	479.21	157,194	1,637	05.97
462194	3 C	NUNN TEL CO	143,108.26	256	559.01	54,774	571	02.08
462196	3 C	PEETZ COOP TEL CO	95,221.83	179	531.96	34,667	361	01.31
462197	3 A	PHILLIPS COUNTY TEL	351,921.55	1,565	224.87	0	0	00.00
462198	3 A	PINE DRIVE TEL CO	102,540.72	456	224.87	0	0	00.00
462199	3 C	PLAINS COOP TEL ASSN	481,996.23	1,454	331.49	64,680	674	02.46
462201	3 A	RICO TEL CO	37,829.43	81	467.03	11,742	122	00.44
462202	3 A	ROGGEN TEL COOP CO	60,603.28	166	365.08	11,372	119	00.43
462203	3 C	RYE TELEPHONE CO	570,359.24	1,211	470.98	179,145	1,866	06.81
462204	3 C	COLUMBINE TEL CO	379,848.37	604	628.88	160,884	1,676	06.11
462206	3 A	STONEHAM COOP TEL CO	27,995.13	53	528.21	10,115	105	00.38
462207	3 C	STRASBURG TEL CO	259,451.48	848	305.95	23,645	246	00.89
462208	3 C	UNIVERSAL TEL CO -CO	1,221,100.19	3,707	329.40	159,843	1,665	06.07
462209	3 C	WIGGINS TEL ASSOC	385,144.45	999	385.53	83,760	873	03.18
462210	3 A	HILLARD TEL CO	29,507.76	57	517.68	10,428	109	00.39
465102	1 C	MOUNTAIN BELL-CO	342,933,205.83	1,681,840	203.90	0	0	00.00
STATE TOTAL			355,192,061.16	1,714,885	207.12	2,629,196	27,389	100.00
IDAHO								
472177	2 C	CONTEL OF WEST-ID	6,071,354.13	12,075	502.80	2,074,447	21,609	26.34
472213	3 C	ALBION TEL CO INC	631,546.05	898	703.28	289,296	3,014	03.67

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
472215	3 C	CAMBRIDGE TEL CO	441,165.95	811	543.97	164,374	1,712	02.08
472218	3 C	CUSTER TEL COOP	441,686.77	1,283	344.26	67,860	707	00.86
472220	3 A	FILER MUTUAL TEL -ID	349,447.98	1,554	224.87	0	0	00.00
472221	3 A	FARMERS MUTUAL TEL	357,993.04	1,592	224.87	0	0	00.00
472223	2 C	GEM STATE UTIL-ID	817,670.98	816	1,002.04	445,727	4,643	05.66
472225	2 C	CENTURY TEL OF IDAHO	1,192,988.30	2,303	518.01	421,919	4,395	05.35
472226	3 C	MIDVALE TEL EXCH INC	188,803.88	268	704.49	86,581	902	01.09
472227	3 A	MUD LAKE TEL COOP	342,424.76	1,019	336.04	48,336	504	00.61
472230	3 A	POTLATCH TEL CO INC	164,422.20	570	288.46	9,409	98	00.11
472231	3 C	PROJECT MUTUAL TEL	1,098,758.51	5,833	188.36	0	0	00.00
472232	3 C	ROCKLAND TEL CO INC	255,570.05	349	732.29	120,026	1,250	01.52
472233	3 C	RURAL TEL CO - ID	208,994.55	223	937.19	110,964	1,156	01.40
472234	2 C	TROY TELEPHONE CO	228,993.39	643	356.13	39,733	414	00.50
472295	3 C	SILVER STAT TEL- ID	195,965.36	313	626.08	82,714	862	01.05
472416	2 C	GTE NORTHWEST INC-ID	22,513,414.31	63,636	353.78	3,820,188	39,794	48.51
472423	3 C	INLAND TEL-ID	177,420.40	194	914.53	93,236	971	01.18
475103	1 C	MOUNTAIN BELL-ID	79,826,300.30	312,454	255.48	0	0	00.00
475162	1 C	PACIFIC NW BELL-ID	5,304,200.66	21,756	243.80	0	0	00.00
STATE TOTAL			120,809,121.63	428,590	281.87	7,874,810	82,031	100.00
MONTANA								
482235	3 C	BLACKFOOT TEL COOP	2,344,055.44	4,584	511.35	816,946	8,510	10.05
482241	3 A	HOT SPRINGS TEL CO	87,652.50	325	269.70	1,402	15	00.01
482242	3 C	INTERBEL TEL COOP	373,627.33	886	421.70	98,321	1,024	01.20
482244	3 C	LINCOLN TEL CO INC	233,722.61	719	325.06	28,979	302	00.35
482246	3 C	MID-RIVERS TEL COOP	3,408,237.11	6,182	551.31	1,287,011	13,406	15.84
482247	3 C	NEMONT TEL COOP-HT	1,332,924.04	2,277	585.38	532,224	5,544	06.55
482248	3 C	NORTHERN TEL COOP	1,054,340.66	1,324	796.32	518,934	5,406	06.38
482249	2 C	NH TEL SYSTEMS, INC.	8,263,134.17	27,548	299.95	660,514	6,880	08.12
482250	3 C	PROJECT TEL CO	1,035,949.48	2,517	411.58	260,212	2,711	03.20
482251	3 C	RANGE TEL COOP-HT	1,795,689.09	2,666	673.55	799,425	8,327	09.83
482252	3 A	RONAN TEL CO	433,099.62	1,926	224.87	0	0	00.00
482254	3 C	SOUTHERN MONTANA TEL	531,717.40	648	820.55	265,750	2,768	03.27
482255	3 C	3-RIVERS TEL COOP	2,888,932.12	8,296	348.23	463,492	4,828	05.70
482257	3 C	TRIANGLE TEL COOP	3,205,868.84	8,079	396.81	745,787	7,769	09.17
482258	3 C	VALLEY RURAL TEL	612,633.47	730	839.22	309,601	3,225	03.81
482416	2 C	GTE NORTHWEST INC-MT	1,690,540.49	5,959	283.69	79,936	833	00.98
485104	1 C	MOUNTAIN BELL-MT	88,660,355.44	289,285	306.48	1,256,003	13,083	15.45

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
STATE TOTAL			117,952,479.89	363,951	324.08	8,124,537	84,631	100.00
NEH MEXICO								
492066	3 C	DELL TEL CO-OP - NM	592,952.00	264	2,246.03	390,513	4,068	02.20
492080	2 C	GTE SOUTHWEST INC-NM	11,010,842.42	36,137	304.69	978,025	10,188	05.51
492176	3 C	VALLEY TEL COOP - NM	835,500.27	1,063	786.05	408,449	4,255	02.30
492177	2 C	CONTEL OF WEST - NM	12,298,952.21	25,578	480.84	3,972,950	41,385	22.39
492259	3 C	BACA VALLEY TEL CO	695,125.34	540	1,287.26	410,480	4,276	02.31
492262	3 C	ENMR TEL COOP INC-NM	8,455,509.98	8,693	972.68	4,556,930	47,468	25.68
492263	3 C	LA JICARITA RURAL	755,123.79	1,417	532.90	275,424	2,869	01.55
492264	3 C	LEACO RURAL TEL COOP	672,180.19	784	857.37	343,175	3,575	01.93
492268	3 C	WESTERN NEH MEXICO	5,435,065.94	3,930	1,382.96	3,269,462	34,057	18.42
492270	3 C	PENASCO VALLEY TEL	2,255,821.71	1,967	1,146.83	1,288,029	13,417	07.25
492272	3 C	ROOSEVELT CNTY RURAL	1,192,555.09	1,431	833.37	600,625	6,257	03.38
492274	3 C	UNIVERSAL TEL OF SH	996,981.18	3,121	319.44	114,370	1,191	00.64
492275	2 C	NAVAJO COMMUN - NM	2,269,552.59	2,772	818.74	1,133,060	11,803	06.38
495105	1 C	MOUNTAIN BELL-NM	123,328,285.18	534,300	230.82	0	0	00.00
STATE TOTAL			170,794,527.94	621,997	274.59	17,741,492	184,809	100.00
UTAH								
502177	2 C	CONTEL THE WEST - UT	5,168,031.58	13,593	380.19	1,085,358	11,306	60.45
502275	2 C	NAVAJO COMMUN - UT	250,405.75	272	920.60	131,961	1,375	07.35
502277	3 C	CENTRAL UTAH TEL INC	209,964.19	737	284.89	10,456	109	00.58
502278	3 C	EMERY COUNTY FARMERS	480,760.55	2,441	196.95	0	0	00.00
502279	3 A	GUNNISON TEL CO	215,875.20	960	224.87	0	0	00.00
502280	3 C	KAHAS-HOODLAND TEL	599,755.58	1,498	400.37	142,271	1,482	07.92
502282	3 A	MANTI TEL CO	199,459.69	887	224.87	0	0	00.00
502283	3 A	SKYLINE TELECOM	121,204.93	539	224.87	0	0	00.00
502284	3 A	BEEHIVE TEL CO - UT	241,060.50	450	535.69	88,408	921	04.92
502286	3 C	SOUTH CENTRAL UTAH	507,193.54	2,544	230.81	0	0	00.00
502287	3 C	UINTAH BASIN TEL	1,128,772.69	2,507	450.24	331,887	3,457	18.40
502288	3 C	UT-HY TELECOM	120,958.82	431	280.64	4,927	51	00.27
505107	1 C	MOUNTAIN BELL-UT	123,928,352.32	659,335	187.95	0	0	00.00
STATE TOTAL			133,251,795.40	686,194	194.18	1,795,268	18,701	100.00

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TABLE 3.3

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NATIONAL EXCHANGE CARRIER ASSOCIATION
UNIVERSAL SERVICE FUND
EXPENSE ADJUSTMENT
STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/ TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
WYOMING								
511595	2 C	UTC OF THE WEST-HY	1,407,473.20	5,633	249.86	0	0	00.00
512251	3 C	RANGE TEL COOP - HY	782,503.02	1,333	587.02	313,204	3,263	06.53
512289	3 A	CHUGHATER TEL CO	73,697.12	232	317.66	8,233	86	00.17
512290	3 C	UTAH-WYOMING TELECOM	103,579.99	209	358.40	18,352	191	00.38
512291	3 C	DUBOIS TEL EXCHANGE	893,320.49	1,537	581.21	354,438	3,692	07.39
512292	3 A	EDEN VALLEY TEL CO	71,019.76	217	327.28	9,057	94	00.18
512294	2 C	MEDICINE BOW TEL CO	56,103.92	233	240.78	0	0	00.00
512295	3 C	SILVER STAR TEL-HY	271,700.01	958	283.61	12,794	133	00.26
512296	3 A	TRI COUNTY TEL ASSN	294,619.14	927	317.82	32,994	344	00.68
512297	3 C	UNION TELEPHONE CO	863,550.01	2,748	314.24	91,431	952	01.90
512299	2 C	WYOMING TEL CO INC	666,531.84	2,604	255.96	0	0	00.00
515108	1 C	MOUNTAIN BELL-HY	82,384,042.89	208,675	394.79	3,951,000	41,156	82.45
STATE TOTAL			87,868,141.43	225,386	389.85	4,791,503	49,911	100.00
WASHINGTON								
522400	2 C	UTC OF THE NW-HA	15,837,275.24	46,425	341.13	2,356,086	24,543	21.53
522404	2 C	ASOTIN TEL - HA	407,304.01	796	511.68	142,057	1,480	01.29
522408	2 C	TEL UTIL OF WA INC	21,630,846.91	68,039	317.91	2,426,092	25,272	22.16
522410	3 C	CONICHE TELEPHONE CO	345,852.85	1,389	248.99	0	0	00.00
522412	3 C	ELLENSBURG TEL CO	3,042,423.76	13,523	224.98	0	0	00.00
522416	2 C	GTE NORTHWEST INC-HA	102,504,370.12	455,050	225.25	0	0	00.00
522417	3 C	HAT ISLAND TEL CO	18,961.05	47	403.42	4,571	48	00.04
522419	3 C	HOOD CANAL TEL CO	234,690.34	674	348.20	37,645	392	00.34
522423	3 C	INLAND TEL CO -HA	727,701.51	1,379	527.70	262,660	2,736	02.40
522426	3 C	KALAMA TEL CO	517,546.31	1,483	348.98	83,699	872	00.76
522427	3 C	LEMIS RIVER TEL CO	727,604.71	2,143	339.52	106,515	1,110	00.97
522430	3 A	MCDANIEL TEL CO	422,980.47	1,881	224.87	0	0	00.00
522431	3 C	MASHELL TEL CO INC	720,876.19	1,732	416.21	185,071	1,928	01.69
522436	2 C	PENINSULA TELECOMH	1,051,163.71	3,991	263.38	823	9	00.00
522437	3 C	PIONEER TEL CO	482,539.82	706	683.48	216,958	2,260	01.98
522442	3 C	ST JOHN TEL CO	179,074.36	551	324.99	22,182	231	00.20
522446	3 C	TENINO TELEPHONE CO	692,062.43	1,961	352.91	116,442	1,213	01.06
522447	3 C	TOLEDO TELEPHONE CO	532,528.16	1,278	416.68	137,019	1,427	01.25
522449	2 C	CONTEL OF THE NW-HA	18,366,492.61	44,715	410.74	4,594,085	47,863	41.98
522451	3 C	WESTERN WAKKIAKUM	270,730.38	836	323.84	33,026	344	00.30
522452	3 C	WHIDBEY TEL CO.	1,734,551.93	5,663	306.29	159,155	1,658	01.45
522453	3 C	YELM TELEPHONE CO	1,307,816.95	4,630	282.46	58,406	608	00.53
525161	1 C	PACIFIC NW BELL-HA	332,003,538.04	1,694,212	195.96	0	0	00.00

TABLE 3.3

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NATIONAL EXCHANGE CARRIER ASSOCIATION
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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
STATE TOTAL			503,758,931.95	2,353,104	214.08	10,943,292	113,994	100.00
OREGON								
532226	3 C	MIDVALE TEL EXCH -OR	216,446.21	213	1,016.17	118,605	1,236	01.05
532304	2 C	C P NATIONAL CORP-OR	3,891,369.95	9,248	420.77	1,019,886	10,624	09.10
532359	3 C	BEAVER CREEK COOP	1,024,050.74	3,057	334.98	142,923	1,489	01.27
532361	2 C	TEL UTIL OF OREGON	15,569,702.09	33,991	458.05	4,698,724	48,945	41.94
532362	3 C	CANBY TEL ASSN	1,366,241.70	7,130	191.61	0	0	00.00
532363	3 C	CLEAR CREEK MUTUAL	912,169.66	2,545	358.41	161,637	1,684	01.44
532364	3 C	COLTON TEL CO	386,410.18	885	436.62	108,113	1,126	00.96
532369	3 A	EAGLE TEL SYSTEMS	86,240.10	314	274.65	2,365	25	00.02
532371	3 C	CASCADE UTIL INC	1,824,120.35	6,722	271.36	36,297	378	00.32
532373	3 A	GERVAIS TELEPHONE CO	155,385.17	691	224.87	0	0	00.00
532375	3 C	RTI/HALSEY TEL CO	236,307.06	561	421.22	62,053	646	00.55
532376	3 C	HELIX TEL CO.	161,848.96	247	655.25	70,677	736	00.63
532377	2 C	HOME TELEPHONE CO	353,728.47	539	656.26	154,638	1,611	01.38
532378	3 C	TRANS-CASCADES TEL	218,767.28	94	2,327.31	144,776	1,508	01.29
532383	3 C	MOLALLA TEL CO.	1,828,240.47	4,382	417.21	471,555	4,912	04.20
532384	3 A	MONITOR COOP TEL	117,157.27	521	224.87	0	0	00.00
532385	3 C	MONROE TELEPHONE CO.	189,420.12	678	279.38	7,191	75	00.06
532386	3 A	MT. ANGEL TEL CO.	301,100.93	1,339	224.87	0	0	00.00
532387	3 C	NEHALEM TEL & TEL	470,709.43	1,666	282.53	21,092	220	00.18
532388	3 C	NORTH STATE TEL CO.	175,948.03	362	486.04	57,640	600	00.51
532389	3 C	OREGON TEL CORP	460,275.33	1,313	350.55	75,641	788	00.67
532391	3 A	PEOPLES TEL CO. - OR	243,534.21	1,083	224.87	0	0	00.00
532392	3 C	PINE TEL SYSTEM INC.	330,873.81	608	544.20	123,330	1,285	01.10
532393	3 C	PIONEER TEL COOP	2,207,927.17	9,440	233.89	0	0	00.00
532396	3 A	ST PAUL COOP ASSN	98,572.95	427	230.85	0	0	00.00
532397	3 C	SCIO MUTUAL TEL ASSN	424,894.18	1,283	331.17	56,798	592	00.50
532399	3 A	STAYTON COOP TEL CO	988,078.78	4,394	224.87	0	0	00.00
532400	2 C	UTC OF THE NW - OR	14,568,126.52	43,690	333.44	1,998,615	20,819	17.84
532404	2 C	ASOTIN TEL - OR	190,176.80	88	2,161.10	124,565	1,298	01.11
532416	2 C	GTE NORTHWEST INC-OR	52,677,779.51	243,558	216.28	0	0	00.00
532449	2 C	CONTEL OF THE NW- OR	7,501,640.09	20,210	371.18	1,476,984	15,385	13.18
532456	1 C	MALHEUR HOME TEL CO	2,640,885.57	9,648	273.72	66,835	696	00.59
535163	1 C	PACIFIC NW BELL-OR	208,416,182.17	920,938	226.30	0	0	00.00
STATE TOTAL			320,234,311.40	1,331,865	240.44	11,200,940	116,678	100.00
CALIFORNIA								
542301	3 C	CALAVERAS TEL CO	823,935.01	1,509	546.01	308,144	3,210	00.80

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TABLE 3.3

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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
542302	2 C	CONTEL OF CALIFORNIA	99,827,050.46	242,769	411.20	5,790,951	60,322	15.18
542304	2 C	C P NATIONAL CORP-CA	4,681,874.93	10,456	447.76	1,364,762	14,216	03.57
542308	2 C	CITIZENS UTIL OF CA	27,946,896.10	51,442	543.27	10,398,967	108,323	27.27
542311	3 C	CALIF-OREGON TEL CO	1,080,747.88	1,934	558.81	413,497	4,307	01.08
542313	3 C	DUCOR TELEPHONE CO	265,392.03	530	500.73	90,233	940	00.23
542315	3 C	EVANS TEL CO.	2,692,301.97	7,171	375.44	546,981	5,698	01.43
542318	3 C	FORESTHILL TEL CO.	604,577.52	1,648	366.85	115,099	1,199	00.30
542319	2 C	GTC OF CALIFORNIA	870,720,406.62	2,883,282	301.98	11,223,896	116,916	29.43
542321	3 C	HAPPY VALLEY TEL CO	1,571,428.14	2,425	648.01	680,708	7,091	01.78
542322	3 C	HORNITOS TEL CO	463,375.50	415	1,116.56	262,331	2,733	00.68
542324	3 C	KERMAN TELEPHONE CO	1,270,907.24	3,860	329.25	166,064	1,730	00.43
542332	3 C	THE PONDEROSA TEL CO	3,770,005.17	5,367	702.44	1,725,634	17,975	04.52
542334	2 C	ROSEVILLE TEL CO	14,087,168.23	60,197	234.01	0	0	00.00
542338	3 C	SIERRA TELEPHONE CO	5,343,328.18	10,642	502.09	1,822,675	18,986	04.78
542339	3 C	THE SISKIYOU TEL CO	1,637,536.72	3,000	545.84	612,253	6,378	01.60
542342	2 C	TUOLUMNE TEL CO	3,804,059.33	4,026	945.07	2,027,088	21,116	05.31
542343	3 C	THE VOLCANO TEL CO	2,669,746.25	7,153	373.23	533,752	5,560	01.39
542344	2 C	WEST COAST TEL OF CA	2,247,785.99	8,841	254.24	0	0	00.00
542346	3 C	PINNACLES TEL CO	89,182.89	107	833.48	44,920	468	00.11
545170	1 C	PACIFIC BELL	2,310,518,334.58	12,063,536	191.52	0	0	00.00
=====								
STATE TOTAL			3,356,116,840.83	15,370,310	218.35	38,127,955	397,168	100.00
NEVADA								

552220	3 A	FILER MUTUAL TEL -NV	84,089.64	298	282.18	3,703	39	00.06
552223	2 C	GEM STATE UTIL-NV	233,470.54	300	778.23	113,513	1,182	02.03
552233	3 C	RURAL TEL CO - NV	258,749.83	293	883.10	133,909	1,395	02.40
552284	3 A	BEEHIVE TEL CO - NV	17,723.06	29	611.14	7,338	76	00.13
552302	2 C	CONTEL OF CALIF-NV	5,891,148.53	16,765	351.39	976,508	10,172	17.54
552304	2 C	CP NATIONAL-NV	3,816,865.50	9,479	402.66	916,613	9,548	16.46
552348	2 C	CENTEL OF NV	59,335,861.43	345,611	171.68	0	0	00.00
552349	3 C	CHURCHILL COUNTY TEL	2,465,962.49	7,632	323.10	297,883	3,103	05.35
552351	3 C	LINCOLN CTY TEL SYS	370,762.52	1,459	254.12	0	0	00.00
552353	3 C	MOAPA VALLEY TEL CO.	450,234.82	1,908	235.97	0	0	00.00
552354	2 C	NEVADA TEL-TELEGRAPH	628,386.58	2,290	274.40	16,875	176	00.30
552356	3 C	RIO VIRGIN TEL CO	208,212.08	853	244.09	0	0	00.00
555173	1 C	NEVADA BELL	54,735,257.76	189,935	288.17	3,100,950	32,302	55.69
=====								
STATE TOTAL			128,496,724.84	576,852	222.75	5,567,292	57,993	100.00

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TABLE 3.3

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NATIONAL EXCHANGE CARRIER ASSOCIATION
 UNIVERSAL SERVICE FUND
 EXPENSE ADJUSTMENT
 STUDY AREA DETAIL FOR ALL EXCHANGE CARRIERS

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
DELAWARE								
565010	1 C	DIAMOND STATE TEL	66,573,680.20	368,747	180.54	0	0	00.00
STATE TOTAL			66,573,680.20	368,747	180.54	0	0	00.00
DISTRICT OF COLUMBIA								
575020	1 C	C & P TEL CO OF WASH	81,760,698.32	776,011	105.36	0	0	00.00
STATE TOTAL			81,760,698.32	776,011	105.36	0	0	00.00
RHODE ISLAND								
585114	1 C	NEW ENGLAND TEL - RI	92,687,333.56	492,045	188.37	0	0	00.00
STATE TOTAL			92,687,333.56	492,045	188.37	0	0	00.00
ALASKA								
613000	2 C	ANCHORAGE TEL UTIL	25,393,789.73	116,925	217.18	0	0	00.00
613001	3 C	ARCTIC SLOPE TEL	1,427,359.91	1,226	1,164.24	818,817	8,529	02.87
613002	3 A	BETTLES TEL CO INC	24,836.85	45	551.93	9,388	98	00.03
613003	3 C	BRISTOL BAY TEL COOP	677,494.14	924	733.21	318,421	3,317	01.11
613004	3 C	BUSH-TELL INC.	290,641.27	525	553.60	110,195	1,148	00.38
613005	3 A	CIRCLE UTILITIES	12,219.84	18	678.88	5,469	57	00.01
613006	3 C	COPPER VALLEY TEL	1,822,812.42	2,810	648.68	790,212	8,231	02.77
613007	3 C	CORDOVA TEL COOP	495,753.23	1,202	412.44	125,040	1,303	00.43
613008	3 C	FAIRBANKS MUNICIPAL	10,659,293.04	22,980	463.85	3,276,588	34,131	11.51
613009	2 C	GTE ALASKA INC.	2,462,731.93	11,214	219.61	0	0	00.00
613010	2 C	GLACIER STATE TEL CO	19,347,472.82	27,082	714.40	8,950,516	93,235	31.46
613011	3 C	INTERIOR TEL CO INC	1,816,195.41	1,992	911.74	953,175	9,929	03.35
613012	2 C	JUNEAU & DOUGLAS TEL	5,041,896.29	13,442	375.08	1,021,785	10,644	03.59
613013	3 C	KETCHIKAN PUBLIC UT	3,189,046.60	6,447	494.65	1,068,215	11,127	03.75
613015	3 C	MATANUSKA TEL ASSOC	17,806,553.08	26,445	673.34	7,925,615	82,559	27.85
613016	3 C	MUKLUK TEL CO INC	644,586.28	606	1,063.67	359,024	3,740	01.26
613017	3 A	NATIONAL UTILITIES	447,361.20	1,422	314.60	47,636	496	00.16
613018	3 C	NUSHAGAK TEL COOP	894,427.67	1,256	712.12	412,956	4,302	01.45

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TABLE 3.3

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STUDY AREA CODE	SUB/TYPE	COMPANY NAME	UNSEPARATED REVENUE REQUIREMENT	LOOPS	USF COST/LOOP	ANNUAL USF AT 100%	MONTHLY USF AT 1/8 TRANSITION	PERCENT OF TOTAL
613019	3 C	OTZ TEL COOPERATIVE	726,450.09	1,601	453.74	216,150	2,252	00.75
613020	2 C	SITKA TELEPHONE CO	3,401,632.74	7,206	466.87	1,055,372	10,994	03.70
613022	2 C	TEL UTIL OF ALASKA	104,326.90	2,145	85.93	0	0	00.00
613023	3 C	UNITED UTILITIES INC	1,894,718.51	2,850	664.81	835,917	8,708	02.93
613025	3 C	YUKON TEL CO INC	267,007.81	356	750.02	127,167	1,325	00.44
613026	3 A	NORTH COUNTRY TEL CO	38,472.16	83	463.52	11,813	123	00.04
613028	3 A	SUMMIT TEL. & TEL -AK	21,764.88	38	572.76	8,522	89	00.03
STATE TOTAL			98,988,844.90	250,920	394.50	28,447,993	296,337	100.00
HAWAII								
623100	2 C	GTE HAWAIIAN TEL. CO	86,178,522.62	503,271	171.23	0	0	00.00
STATE TOTAL			86,178,522.62	503,271	171.23	0	0	00.00
PUERTO RICO								
633200	2 C	PUERTO RICO COMM	21,080,019.07	87,881	239.87	0	0	00.00
633201	2 C	PUERTO RICO TEL CO	175,851,796.93	677,098	259.71	0	0	00.00
STATE TOTAL			196,931,816.01	764,979	257.43	0	0	00.00
VIRGIN ISLANDS								
643300	2 C	VIRGIN ISLANDS TEL	18,987,892.28	41,038	462.69	5,815,674	60,580	100.00
STATE TOTAL			18,987,892.28	41,038	462.69	5,815,674	60,580	100.00
INDUSTRY TOT			28,084,415,358.24	122,773,173	228.75	499,584,240	5,204,034	100.00

TOTAL NUMBER OF STUDY AREA CODES: 1467

4. Network Usage and Growth

The amount of traffic carried on the public switched network is a vital concern to the Joint Board and the Commission, since the interstate toll rate decreases that have accompanied the subscriber line charge increase were designed to make usage of the network more efficient and to stimulate traffic growth. To monitor use of this network, the National Exchange Carrier Association (NECA) provides monthly reports to the Commission on the volumes of switched interstate usage. To supplement this information, the Joint Board recommended that the larger local telephone companies also provide, on an annual basis, their total switched minutes of use, their interstate switched minutes of use, and their Subscriber Plant Factor (SPF), Subscriber Line Usage (SLU), and Dial Equipment Minutes (DEM) factors. The Joint Board recognized that much of this information was not previously collected by any single entity and that reports could be received and consolidated by some other entity (such as NECA). Much of the data reported in this section is contained in our June 1988 report. However, due to significant revisions of the 1980-1986 historical data and the addition of the 1987 data by NECA, all the data are reported here. These data supersede all previous reports. Also included in this section is an appendix prepared by NECA containing explanatory material and definitions for some of the quantities presented here.

This report includes data on switched telephone traffic as reflected in the NECA calculations of carrier common line (CCL) minutes of use from January 1986 through August 1988. Our September 1988 report included this cumulative data through May 1987. Table 4.1 shows the latest available figures on minutes of use for interstate traffic as reported by NECA, derived from the Common Line Pool earned revenues. Tables 4.2 and 4.3 show the figures for large (Tier 1) and small (non-Tier 1) companies, respectively. Since June 1986, these figures do not include the minutes from the closed end of WATS.

Tables 4.4 and 4.5 are summary tables derived from the data for all cost companies as compiled by NECA. Table 4.4 gives local, state, interstate, and total subscriber line usage minutes (SLU) for the sum of the continental United States, Hawaii, and Puerto Rico, for 1980 through 1987. It also gives the year over year growth rates for 1981 through 1987 and annualized growth rates for 1980 through 1983 and 1983 through 1987. State and interstate SLU have grown faster since 1983 than they did before. However, due to the exclusion of outward WATS minutes from SLU beginning in June 1986, the SLU growth rates for 1986 and 1987 are somewhat lower than they would have been otherwise. Table 4.5 gives the same data for dial equipment minutes (DEM), and shows the same pattern of growth rates. These two tables suggest that the toll rate decreases that accompanied the imposition of subscriber line charges has stimulated the use of the public switched network.

NECA compilation of data provided by all cost companies appears in Tables 4.6 through 4.27. Tables 4.6 through 4.9 present premium and non-premium minutes for all Tier 1 companies from 1984 through 1987. Also provided for the first time are the premium and non-premium minutes for non-Tier 1 companies for 1987 in Table 4.10. Beginning in 1986 these minutes are broken down into originating and terminating. Note that originating and terminating minutes were counted separately beginning in June 1986. Therefore, in Table 4.8 originating and terminating minutes do not sum to the total, which includes traffic for the entire year.

The revised historical data for each large local exchange company (LEC) are reported in Tables 4.11 through 4.25 for the period 1980 through 1987. Table 4.11 gives the data for local SLU minutes. Table 4.12 gives the data for state toll SLU minutes. Table 4.13 gives the data for interstate SLU minutes and table 4.14 gives total SLU minutes. Tables 4.15 through 4.18 give data for, respectively, local, state, interstate, and total DEM minutes. Tables 4.19 and 4.20 give message data for state and interstate calls, respectively. Table 4.21 gives the number of loops. Table 4.22 gives the interstate SLU factor, the proportion of total SLU minutes which are interstate. The interstate subscriber plant factor (SPF), the proportion of plant costs allocated to interstate, is given in Table 4.23. Tables 4.24 and 4.25 give the interstate and weighted DEM factors, respectively. Beginning in 1987, NECA began collecting detailed data for non-Tier 1 companies. These data are presented in Tables 4.26 and 4.27.

These data represent a major step forward in understanding the changes the telecommunications industry has gone through in the past several years. They provide, for perhaps the first time, publicly available consistent data that spans the years before and after divestiture. We recognize, however, that there are certain anomalies in the data. In particular, some of the SLU data for 1986 are incorrect and corrections were not available at the time of publication of this report. As soon as corrected data are available they will be released. We solicit comments on problems detected in the data and on solutions to these problems.

TABLE 4.1

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.

SUPPLEMENTAL REPORT OF COMMON LINE POOL RESULTS
REPORTED AS OF OCTOBER, 1988

MINUTES OF USE DERIVED FROM N E C A CCL EARNED REVENUES

TOTAL COMMON LINE POOL

(MOU REPORTED IN MILLIONS)

MONTH/YR	PREMIUM CCL MOUS			NONPREMIUM CCL MOUS		
	ORIGINATING	TERMINATING	TOTAL	ORIGINATING	TERMINATING	TOTAL
JAN 86	N/A	N/A	15291.015	N/A	N/A	1522.729
FEB 86	N/A	N/A	14691.467	N/A	N/A	1397.703
MAR 86	N/A	N/A	15861.035	N/A	N/A	1348.922
APR 86	N/A	N/A	15905.442	N/A	N/A	1300.394
MAY 86	N/A	N/A	16039.848	N/A	N/A	1208.236
JUN 86	5706.256	8104.051	13810.308	485.227	817.323	1302.550
JUL 86	6309.790	8133.097	14442.888	513.799	777.371	1291.171
AUG 86	6140.566	8193.667	14334.234	437.119	714.419	1151.539
SEP 86	6263.505	8161.822	14425.328	367.912	701.346	1069.260
OCT 86	6630.015	8541.799	15171.815	317.616	684.723	1002.341
NOV 86	6377.388	8165.268	14542.657	336.392	701.101	1037.493
DEC 86	7002.858	8840.439	15843.298	293.449	669.492	962.942
JAN 87	7039.415	8606.801	15646.217	346.652	645.546	992.200
FEB 87	6786.269	8647.782	15434.052	361.709	687.456	1049.166
MAR 87	7448.140	9519.099	16967.240	378.683	775.323	1154.007
APR 87	7169.407	9232.450	16401.857	365.507	718.247	1083.755
MAY 87	7077.514	8988.496	16066.011	323.939	687.897	1011.837
JUN 87	7511.839	9389.627	16901.468	289.272	716.877	1006.149
JUL 87	8264.343	9498.822	17763.166	351.136	691.262	1042.399
AUG 87	7574.539	9555.618	17130.159	257.963	700.043	958.007
SEP 87	7518.861	9737.567	17256.429	251.798	682.538	934.337
OCT 87	7768.203	10232.243	18000.446	236.913	648.749	885.663
NOV 87	7695.037	9725.884	17420.921	218.404	608.310	826.715
DEC 87	8575.120	10561.981	19137.101	256.879	598.514	855.394
JAN 88	8038.152	10137.600	18175.753	186.019	581.876	767.896
FEB 88	8121.166	10238.205	18359.372	196.427	602.382	798.810
MAR 88	8680.516	11177.068	19857.585	188.328	599.822	788.151
APR 88	8233.278	10358.746	18592.025	165.098	532.223	697.322
MAY 88	8499.957	10636.123	19136.081	200.639	644.613	845.253
JUN 88	8684.152	10916.846	19600.998	185.245	611.500	796.746
JUL 88	8386.702	10446.536	18833.239	174.755	566.143	740.899
AUG 88	9265.026	11708.544	20973.571	190.514	612.348	802.864

TABLE 4.2

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.

SUPPLEMENTAL REPORT OF COMMON LINE POOL RESULTS
 REPORTED AS OF OCTOBER, 1988

MINUTES OF USE DERIVED FROM N E C A CCL EARNED REVENUES

TIER 1

(MOU REPORTED IN MILLIONS)

MONTH/YR	PREMIUM CCL MOUS			NONPREMIUM CCL MOUS		
	ORIGINATING	TERMINATING	TOTAL	ORIGINATING	TERMINATING	TOTAL
JAN 86	N/A	N/A	14389.693	N/A	N/A	1500.785
FEB 86	N/A	N/A	13824.567	N/A	N/A	1370.954
MAR 86	N/A	N/A	14935.645	N/A	N/A	1322.737
APR 86	N/A	N/A	14978.971	N/A	N/A	1273.609
MAY 86	N/A	N/A	15088.685	N/A	N/A	1179.820
JUN 86	5330.518	7570.611	12901.130	475.630	801.154	1276.785
JUL 86	5918.206	7628.361	13546.568	503.527	761.831	1265.359
AUG 86	5740.942	7660.433	13401.376	425.377	695.228	1120.606
SEP 86	5872.893	7652.836	13525.730	355.024	676.769	1031.794
OCT 86	6229.295	8025.517	14254.814	305.567	658.740	964.308
NOV 86	5983.994	7661.601	13645.597	324.175	675.630	999.806
DEC 86	6590.246	8319.574	14909.820	281.858	643.036	924.895
JAN 87	6595.279	8063.778	14659.059	332.941	620.013	952.955
FEB 87	6385.846	8137.499	14523.346	348.835	662.985	1011.821
MAR 87	7025.223	8978.580	16003.804	366.996	751.394	1118.391
APR 87	6748.437	8690.471	15438.908	353.380	694.414	1047.795
MAY 87	6645.139	8439.360	15084.501	311.226	660.897	972.124
JUN 87	7068.996	8836.082	15905.079	278.776	690.869	969.645
JUL 87	7758.126	8916.999	16675.126	339.168	667.706	1006.875
AUG 87	7100.072	8957.052	16057.125	247.701	672.195	919.897
SEP 87	7071.037	9157.588	16228.626	241.643	654.999	896.643
OCT 87	7316.852	9637.708	16954.560	227.309	622.459	849.769
NOV 87	7229.771	9137.780	16367.551	207.555	578.092	785.648
DEC 87	8092.253	9967.193	18059.446	244.840	570.463	815.304
JAN 88	7545.488	9515.416	17060.905	176.807	553.001	729.810
FEB 88	7661.370	9657.810	17319.182	185.820	569.764	755.585
MAR 88	8221.136	10584.638	18805.776	177.020	563.732	740.752
APR 88	7761.850	9764.765	17526.616	155.407	500.885	656.292
MAY 88	8014.529	10027.921	18042.452	188.336	604.960	793.297
JUN 88	8203.580	10311.883	18515.464	173.807	573.623	747.430
JUL 88	7883.883	9819.433	17703.316	162.437	526.045	688.482
AUG 88	8755.084	11062.915	19818.000	177.583	570.914	748.498

TABLE 4.3

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.

SUPPLEMENTAL REPORT OF COMMON LINE POOL RESULTS
REPORTED AS OF OCTOBER, 1988

MINUTES OF USE DERIVED FROM N E C A CCL EARNED REVENUES

NON-TIER 1

(MOU REPORTED IN MILLIONS)

MONTH/YR	PREMIUM CCL MOUS			NONPREMIUM CCL MOUS		
	ORIGINATING	TERMINATING	TOTAL	ORIGINATING	TERMINATING	TOTAL
JAN 86	N/A	N/A	901.322	N/A	N/A	21.944
FEB 86	N/A	N/A	866.900	N/A	N/A	26.749
MAR 86	N/A	N/A	925.390	N/A	N/A	26.186
APR 86	N/A	N/A	926.472	N/A	N/A	26.785
MAY 86	N/A	N/A	951.164	N/A	N/A	28.416
JUN 86	375.738	533.439	909.178	9.596	16.168	25.765
JUL 86	391.583	504.736	896.321	10.271	15.540	25.812
AUG 86	399.623	533.234	932.858	11.741	19.191	30.933
SEP 86	390.611	508.985	899.597	12.888	24.577	37.466
OCT 86	400.719	516.281	917.002	12.049	25.983	38.033
NOV 86	393.394	503.666	897.060	12.216	25.471	37.687
DEC 86	412.612	520.865	933.478	11.590	26.455	38.046
JAN 87	444.135	543.023	987.158	13.711	25.533	39.245
FEB 87	400.423	510.282	910.706	12.874	24.470	37.345
MAR 87	422.917	540.519	963.437	11.686	23.928	35.616
APR 87	420.970	541.978	962.949	12.126	23.833	35.960
MAY 87	432.374	549.135	981.510	12.713	26.999	39.713
JUN 87	442.843	553.545	996.389	10.496	26.007	36.504
JUL 87	506.217	581.822	1088.040	11.968	23.556	35.525
AUG 87	474.467	598.566	1073.034	10.261	27.848	38.110
SEP 87	447.823	579.978	1027.802	10.155	27.538	37.694
OCT 87	451.350	594.534	1045.886	9.603	26.289	35.893
NOV 87	465.266	588.103	1053.370	10.849	30.217	41.068
DEC 87	482.867	594.787	1077.655	12.039	28.050	40.090
JAN 88	492.663	622.184	1114.848	9.211	28.874	38.086
FEB 88	459.796	580.394	1040.190	10.606	32.618	43.225
MAR 88	459.379	592.429	1051.809	11.308	36.090	47.399
APR 88	471.427	593.981	1065.409	9.691	31.338	41.030
MAY 88	485.427	608.201	1093.629	12.302	39.653	51.956
JUN 88	480.571	604.962	1085.535	11.438	37.877	49.316
JUL 88	502.819	627.103	1129.923	12.318	40.098	52.417
AUG 88	509.942	645.629	1155.572	12.930	41.434	54.365

TABLE 4.4

TOTAL TIER 1 COMPANY
SUBSCRIBER LINE USAGE MINUTES
(in 000's)

	LOC SLU	ST SLU	IS SLU	TOT SLU
1980	1,382,616,670	127,067,655	124,664,017	1,634,348,333
1981	1,431,666,955	139,148,130	136,708,633	1,707,893,001
1982	1,481,707,512	146,458,649	143,812,742	1,771,978,897
1983	1,521,797,713	153,489,141	152,715,828	1,828,022,685
1984	1,594,234,811	180,709,722	182,302,591	1,957,247,131
1985	1,627,843,017	197,629,345	216,215,212	2,041,669,588
1986	1,636,694,002	203,115,148	225,865,176	2,065,674,335
1987	1,649,328,352	214,339,775	241,952,859	2,105,620,992

GROWTH RATES OF
TOTAL TIER I COMPANY
SUBSCRIBER LINE USAGE MINUTES

	LOC SLU	ST SLU	IS SLU	TOT SLU
1981	3.55%	9.51%	9.66%	4.50%
1982	3.50%	5.25%	5.20%	3.75%
1983	2.71%	4.80%	6.19%	3.16%
1984	4.76%	17.73%	19.37%	7.07%
1985	2.11%	9.36%	18.60%	4.31%
1986	0.54%	2.78%	4.46%	1.18%
1987	0.77%	5.53%	7.12%	1.93%
ANNUALIZED GROWTH, 83/80	3.25%	6.50%	7.00%	3.80%
ANNUALIZED GROWTH, 87/83	2.03%	8.71%	12.19%	3.60%
ANNUALIZED GROWTH, 87/80	2.55%	7.76%	9.94%	3.69%

- Beginning in June 1986, the closed end of WATS minutes are excluded.

TABLE 4.5

TOTAL TIER 1 COMPANY
DIAL EQUIPMENT MINUTES
(in 000's)

	LOC DEM	ST DEM	IS DEM	TOT DEM
1980	1,383,560,653	137,213,773	130,386,373	1,651,160,800
1981	1,429,888,745	150,730,261	143,172,697	1,723,791,691
1982	1,481,055,068	158,968,545	154,068,429	1,794,092,046
1983	1,519,324,063	166,014,647	167,827,011	1,853,165,732
1984	1,599,506,290	200,322,693	208,075,034	2,007,611,144
1985	1,626,769,150	225,904,580	251,300,686	2,104,531,838
1986	1,636,668,510	233,911,143	267,276,797	2,137,856,454
1987	1,649,049,789	249,895,980	292,223,576	2,191,169,353

GROWTH RATES OF
TOTAL TIER I COMPANY
DIAL EQUIPMENT MINUTES

	LOC DEM	ST DEM	IS DEM	TOT DEM
1981	3.35%	9.85%	9.81%	4.40%
1982	3.58%	5.47%	7.61%	4.08%
1983	2.58%	4.43%	8.93%	3.29%
1984	5.28%	20.67%	23.98%	8.33%
1985	1.70%	12.77%	20.77%	4.83%
1986	0.61%	3.54%	6.36%	1.58%
1987	0.76%	6.83%	9.33%	2.49%
<u>ANNUALIZED</u> GROWTH, 83/80	3.17%	6.56%	8.78%	3.92%
<u>ANNUALIZED</u> GROWTH, 87/83	2.07%	10.77%	14.87%	4.28%
<u>ANNUALIZED</u> GROWTH, 87/80	2.54%	8.94%	12.22%	4.13%

TABLE 4.6

1984 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 1

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
105111	84	NEW ENGLAND TEL-ME	0	0	338,459	0	0	5,444
115112	84	NEW ENGLAND TEL-MA	0	0	2,401,757	0	0	469,532
125113	84	NEW ENGLAND TEL-NH	0	0	539,288	0	0	37,476
135200	84	SOUTHERN NEW ENGLAND	0	0	2,586,854	0	0	582,349
145115	84	NEW ENGLAND TEL-VT	0	0	219,692	0	0	1,693
150096	84	CONTEL OF NY, INC	0	0	118,475	0	0	98
150121	84	ROCHESTER TEL CORP	0	0	248,079	0	0	0
155130	84	NEW YORK TEL CO	0	0	6,602,341	0	0	961,666
160138	84	UNITED TEL - NJ, INC	0	0	0	0	0	0
165120	84	NEW JERSEY BELL	0	0	5,060,287	0	0	601,158
170169	84	GTE NORTH INC. - PA	0	0	236,429	0	0	35,287
170209	84	UTC OF PENNSYLVANIA	0	0	141,088	0	0	6,900
175000	84	BELL OF PENNSYLVANIA	0	0	3,553,213	0	0	706,369
185030	84	C & P TEL CO OF MD	0	0	1,902,384	0	0	206,025
190233	84	CONTEL OF VIRGINIA	0	0	224,584	0	0	14,172
190254	84	CENTEL OF VIRGINIA	0	0	137,755	0	0	0
190479	84	GTE SOUTH INC. - VA	0	0	22,997	0	0	0
190567	84	UNITED INTER-MT-VA	0	0	50,838	0	0	205
195040	84	C & P TEL CO OF VA	0	0	1,996,252	0	0	164,435
200479	84	GTE SOUTH INC. - WV	0	0	55,589	0	0	1,730
205050	84	C & P TEL CO OF WV	0	0	555,000	0	0	26,712
210328	84	GTE FLORIDA INC.	0	0	1,119,363	0	0	88,138
210340	84	CENTEL OF FLORIDA	0	0	292,418	0	0	9,532
210341	84	UTC OF FLORIDA	0	0	570,662	0	0	831
215191	84	SOUTHERN BELL-FL	0	0	5,285,203	0	0	990,744
220479	84	GTE SOUTH INC.- GA	0	0	104,185	0	0	720
225192	84	SOUTHERN BELL-GA	0	0	3,426,576	0	0	539,969
230470	84	CAROLINA TEL & TEL	0	0	540,407	0	0	3,075
230471	84	CENTEL OF NC	0	0	103,702	0	0	0
230479	84	GTE SOUTH INC - NC	0	0	117,409	0	0	6,374
235193	84	SOUTHERN BELL-NC	0	0	1,712,786	0	0	221,402
240479	84	GTE SOUTH INC. - SC	0	0	117,293	0	0	779
240506	84	UTC OF THE CAROLINAS	0	0	55,547	0	0	790
245194	84	SOUTHERN BELL-SC	0	0	1,243,077	0	0	148,717
250293	84	GTE SOUTH INC. - AL	0	0	93,031	0	0	170
255181	84	SO CENTRAL BELL-AL	0	0	1,609,527	0	0	148,667
260407	84	GTE SOUTH INC. - KY	0	0	220,256	0	0	32,035
265061	84	CINCINNATI BELL-KY	0	0	65,616	0	0	1,786
265182	84	SO CENTRAL BELL-KY	0	0	929,188	0	0	84,997
275183	84	SO CENTRAL BELL-LA	0	0	1,966,704	0	0	308,327
285184	84	SO CENTRAL BELL-MS	0	0	1,162,695	0	0	63,726

TABLE 4.6

1984 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 2

FCD	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
290479	84	GTE SOUTH INC. - TN	0	0	29,504	0	0	99
290567	84	UNITED INTER-MT-TN	0	0	115,964	0	0	3,716
295185	84	SO. CENTRAL BELL -TN	0	0	2,217,766	0	0	396,550
300615	84	GTE NORTH INC. - OH	0	0	321,395	0	0	13,513
300630	84	CENTEL OF OHIO	0	0	35,168	0	0	0
300661	84	UTC OF OHIO	0	0	239,547	0	0	9,249
305062	84	CINCINNATI BELL-OH	0	0	449,104	0	0	127,536
305150	84	OHIO BELL TEL CO	0	0	1,625,345	0	0	420,928
310695	84	GTE NORTH INC. - MI	0	0	233,809	0	0	3,934
315090	84	MICHIGAN BELL TEL CO	0	0	1,731,593	0	0	261,419
320772	84	GTE NORTH INC. - IN	0	0	463,646	0	0	43,888
320832	84	UTC OF INDIANA	0	0	105,413	0	0	155
325080	84	INDIANA BELL TEL CO	0	0	924,809	0	0	169,984
330886	84	GTE NORTH INC. - WI	0	0	180,604	0	0	462
335220	84	WISCONSIN BELL	0	0	857,288	0	0	188,431
340985	84	CENTEL OF ILLINOIS	0	0	158,516	0	0	0
341015	84	GTE NORTH INC. - IL	0	0	323,726	0	0	2,380
345070	84	ILLINOIS BELL TEL CO	0	0	3,196,894	0	0	545,504
351186	84	GTE NORTH INC. - IA	0	0	59,735	0	0	433
351317	84	UTC OF IOWA	0	0	41,455	0	0	761
355141	84	NORTHWESTERN BELL-IA	0	0	596,801	0	0	110,862
361186	84	GTE NORTH INC. - MN	0	0	1,747	0	0	0
361367	84	CENTEL OF MN	0	0	67,550	0	0	0
361456	84	UTC OF MINNESOTA	0	0	40,032	0	0	298
365142	84	NORTHWESTERN BELL-MN	0	0	924,481	0	0	215,995
371186	84	GTE NORTH INC. - NE	0	0	26,055	0	0	0
371568	84	LINCOLN TEL & TEL CO	0	0	115,381	0	0	10,657
371595	84	UTC OF THE WEST-NE	0	0	21,368	0	0	65
375143	84	NORTHWESTERN BELL-NE	0	0	368,534	0	0	48,855
385144	84	NORTHWESTERN BELL-ND	0	0	190,821	0	0	6,840
395145	84	NORTHWESTERN BELL-SD	0	0	204,466	0	0	6,363
401728	84	UTC OF ARKANSAS	0	0	13,742	0	0	542
402080	84	GTE SOUTHWEST INC-AR	0	0	47,461	0	0	0
405211	84	SOUTHWESTERN BELL-AR	0	0	591,342	0	0	56,851
411842	84	UTC OF KANSAS	0	0	55,799	0	0	599
415214	84	SOUTHWESTERN BELL-KS	0	0	806,397	0	0	104,654
421186	84	GTE NORTH INC. - MO	0	0	62,565	0	0	2,003
421957	84	UTC OF MISSOURI	0	0	113,872	0	0	3,701
425213	84	SOUTHWESTERN BELL-MO	0	0	1,501,246	0	0	361,741
432080	84	GTE SOUTHWEST INC-OK	0	0	70,746	0	0	134
435215	84	SOUTHWESTERN BELL-OK	0	0	1,052,473	0	0	200,274

TABLE 4.6

1984 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 3

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
442080	84	GTE SOUTHWEST INC-TX	0	0	511,831	0	0	26,674
442084	84	UTC OF TEXAS INC	0	0	28,482	0	0	0
442114	84	CENTEL OF TEXAS	0	0	74,620	0	0	728
442154	84	CONTEL OF TEXAS	0	0	53,689	0	0	0
445216	84	SOUTHWESTERN BELL-TX	0	0	3,823,803	0	0	833,728
455101	84	MOUNTAIN BELL - AZ	0	0	1,248,835	0	0	189,190
465102	84	MOUNTAIN BELL-CO	0	0	1,485,826	0	0	272,966
472416	84	GTE NORTHWEST INC-ID	0	0	101,249	0	0	765
475103	84	MOUNTAIN BELL-ID	0	0	275,264	0	0	21,380
475162	84	PACIFIC NW BELL-ID	0	0	21,684	0	0	6
482416	84	GTE NORTHWEST INC-MT	0	0	6,745	0	0	0
485104	84	MOUNTAIN BELL-MT	0	0	230,788	0	0	2,627
492080	84	GTE SOUTHWEST INC-NM	0	0	45,453	0	0	35
495105	84	MOUNTAIN BELL-NM	0	0	460,109	0	0	24,401
505107	84	MOUNTAIN BELL-UT	0	0	514,897	0	0	156,206
511595	84	UTC OF THE WEST-WY	0	0	6,853	0	0	0
515108	84	MOUNTAIN BELL-WY	0	0	238,278	0	0	17,999
522400	84	UTC OF THE NW-WA	0	0	33,126	0	0	590
522416	84	GTE NORTHWEST INC-WA	0	0	300,527	0	0	5,928
525161	84	PACIFIC NW BELL-WA	0	0	1,071,908	0	0	138,905
532400	84	UTC OF THE NW - OR	0	0	30,480	0	0	245
532416	84	GTE NORTHWEST INC-OR	0	0	198,275	0	0	3,868
535163	84	PACIFIC NW BELL-OR	0	0	672,886	0	0	99,617
542302	84	CONTEL OF CALIFORNIA	0	0	108,505	0	0	0
542319	84	GTC OF CALIFORNIA	0	0	1,391,294	0	0	40,299
542344	84	WEST COAST TEL OF CA	0	0	4,882	0	0	39
545170	84	PACIFIC BELL	0	0	6,037,771	0	0	1,564,870
552348	84	CENTEL OF NV	0	0	0	0	0	0
555173	84	NEVADA BELL	0	0	263,382	0	0	18,964
565010	84	DIAMOND STATE TEL	0	0	419,496	0	0	41,184
575020	84	C & P TEL CO OF WASH	0	0	828,793	0	0	334,462
585114	84	NEW ENGLAND TEL - RI	0	0	423,508	0	0	46,353
623100	84	GTE HAWAIIAN TEL. CO	0	0	315,891	0	0	27,096
633201	84	PUERTO RICO TEL CO	0	0	253,348	0	0	0
888888	84	AVERAGE SCHEDULE CO.	0	0	2,003,637	0	0	54,330
999111	84	ALL OTHER COST CO.	0	0	5,632,441	0	0	78,236

- MAY: -DEM MINUTES WERE ADJUSTED TO REFLECT SERVING OFFICE USAGE
- JUNE: -CLOSED WATS ARE INCLUDED IN MOU FOR JUNE 1 - DECEMBER 31
- ADOPTION OF 7 (CALENDAR) DAY TRAFFIC STUDIES IN LIEU OF 5 (BUSINESS)
- THEN INCLUSION OF USAGE OF UNWEIGHTED DIAL EQUIPMENT MINUTES, PROVIDED BY INTEREXCHANGE CARRIERS OTHER THAN AT&T (ENFLA USAGE) DIAL SWITCHING EQUIPMENT
- ALLOCATION OF FX/CCSA/ONAL USAGE TO TOLL RATHER THAN LOCAL

TABLE 4.7

1985 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 1

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
105111	85	NEW ENGLAND TEL-ME	0	0	716,114	0	0	29,864
115112	85	NEW ENGLAND TEL-MA	0	0	5,207,022	0	0	884,651
125113	85	NEW ENGLAND TEL-NH	0	0	1,163,692	0	0	84,186
135200	85	SOUTHERN NEW ENGLAND	0	0	2,760,890	0	0	706,043
145115	85	NEW ENGLAND TEL-VT	0	0	459,297	0	0	15,668
150096	85	CONTEL OF NY, INC	0	0	209,570	0	0	204
150121	85	ROCHESTER TEL CORP	0	0	586,544	0	0	0
155130	85	NEW YORK TEL CO	0	0	14,140,890	0	0	1,916,404
160138	85	UNITED TEL - NJ, INC	0	0	0	0	0	0
165120	85	NEW JERSEY BELL	0	0	8,936,246	0	0	1,307,739
170169	85	GTE NORTH INC. - PA	0	0	429,847	0	0	72,573
170209	85	UTC OF PENNSYLVANIA	0	0	270,186	0	0	14,060
175000	85	BELL OF PENNSYLVANIA	0	0	6,295,415	0	0	1,060,370
185030	85	C & P TEL CO OF MD	0	0	3,362,092	0	0	339,541
190233	85	CONTEL OF VIRGINIA	0	0	414,647	0	0	29,408
190254	85	CENDEL OF VIRGINIA	0	0	206,374	0	0	0
190479	85	GTE SOUTH INC. - VA	0	0	41,885	0	0	197
190567	85	UNITED INTER-MT-VA	0	0	93,602	0	0	894
195040	85	C & P TEL CO OF VA	0	0	3,847,237	0	0	515,738
200479	85	GTE SOUTH INC. - WV	0	0	109,521	0	0	550
205050	85	C & P TEL CO OF WV	0	0	885,210	0	0	66,049
210328	85	GTE FLORIDA INC.	0	0	2,150,763	0	0	213,257
210340	85	CENDEL OF FLORIDA	0	0	329,038	0	0	16,900
210341	85	UTC OF FLORIDA	0	0	1,193,257	0	0	10,017
215191	85	SOUTHERN BELL-FL	0	0	6,119,290	0	0	1,090,533
220479	85	GTE SOUTH INC. - GA	0	0	205,742	0	0	10,012
225192	85	SOUTHERN BELL-GA	0	0	4,295,238	0	0	658,028
230470	85	CAROLINA TEL & TEL	0	0	989,993	0	0	16,867
230471	85	CENDEL OF NC	0	0	151,945	0	0	0
230479	85	GTE SOUTH INC - NC	0	0	205,674	0	0	34,019
235193	85	SOUTHERN BELL-NC	0	0	2,111,569	0	0	375,449
240479	85	GTE SOUTH INC. - SC	0	0	216,704	0	0	15,551
240506	85	UTC OF THE CAROLINAS	0	0	91,548	0	0	3,395
245194	85	SOUTHERN BELL-SC	0	0	1,374,488	0	0	242,877
250293	85	GTE SOUTH INC. - AL	0	0	177,839	0	0	1,665
255181	85	SO CENTRAL BELL-AL	0	0	1,872,556	0	0	173,867
260407	85	GTE SOUTH INC. - KY	0	0	405,208	0	0	60,475
265061	85	CINCINNATI BELL-KY	0	0	129,810	0	0	2,302
265182	85	SO CENTRAL BELL-KY	0	0	1,154,402	0	0	94,042
275183	85	SO CENTRAL BELL-LA	0	0	2,293,235	0	0	302,563
285184	85	SO CENTRAL BELL-MS	0	0	1,401,743	0	0	72,834

TABLE 4.7

1985 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 2

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
290479	85	GTE SOUTH INC. - TN	0	0	58,436	0	0	2,452
290567	85	UNITED INTER-MT-TN	0	0	226,281	0	0	16,162
295185	85	SO. CENTRAL BELL -TN	0	0	2,752,040	0	0	421,043
300615	85	GTE NORTH INC. - OH	0	0	629,237	0	0	24,465
300630	85	CENTEL OF OHIO	0	0	51,804	0	0	0
300661	85	UTC OF OHIO	0	0	455,084	0	0	19,156
305062	85	CINCINNATI BELL-OH	0	0	867,586	0	0	160,471
305150	85	OHIO BELL TEL CO	0	0	3,532,238	0	0	857,196
310695	85	GTE NORTH INC. - MI	0	0	438,452	0	0	14,797
315090	85	MICHIGAN BELL TEL CO	0	0	3,643,325	0	0	858,952
320772	85	GTE NORTH INC. - IN	0	0	792,211	0	0	85,049
320832	85	UTC OF INDIANA	0	0	191,806	0	0	509
325080	85	INDIANA BELL TEL CO	0	0	2,071,991	0	0	394,249
330886	85	GTE NORTH INC. - WI	0	0	346,613	0	0	2,699
335220	85	WISCONSIN BELL	0	0	1,967,319	0	0	267,801
340985	85	CENTEL OF ILLINOIS	0	0	258,648	0	0	0
341015	85	GTE NORTH INC. - IL	0	0	621,654	0	0	18,614
345070	85	ILLINOIS BELL TEL CO	0	0	6,758,397	0	0	1,150,744
351186	85	GTE NORTH INC. - IA	0	0	113,155	0	0	470
351317	85	UTC OF IOWA	0	0	68,022	0	0	4,918
355141	85	NORTHWESTERN BELL-IA	0	0	1,412,754	0	0	301,734
361186	85	GTE NORTH INC. - MN	0	0	3,060	0	0	0
361367	85	CENTEL OF MN	0	0	74,479	0	0	0
361456	85	UTC OF MINNESOTA	0	0	62,005	0	0	3,862
365142	85	NORTHWESTERN BELL-MN	0	0	2,425,063	0	0	262,401
371186	85	GTE NORTH INC. - NE	0	0	45,957	0	0	1,248
371568	85	LINCOLN TEL & TEL CO	0	0	249,541	0	0	36,100
371595	85	UTC OF THE WEST-NE	0	0	40,400	0	0	329
375143	85	NORTHWESTERN BELL-NE	0	0	890,952	0	0	66,488
385144	85	NORTHWESTERN BELL-ND	0	0	410,352	0	0	33,606
395145	85	NORTHWESTERN BELL-SD	0	0	461,669	0	0	40,792
401728	85	UTC OF ARKANSAS	0	0	21,695	0	0	1,284
402080	85	GTE SOUTHWEST INC-AR	0	0	86,081	0	0	0
405211	85	SOUTHWESTERN BELL-AR	0	0	1,050,164	0	0	124,749
411842	85	UTC OF KANSAS	0	0	90,330	0	0	1,014
415214	85	SOUTHWESTERN BELL-KS	0	0	1,546,025	0	0	147,247
421186	85	GTE NORTH INC. - MO	0	0	115,045	0	0	19,277
421957	85	UTC OF MISSOURI	0	0	201,555	0	0	11,192
425213	85	SOUTHWESTERN BELL-MO	0	0	2,796,393	0	0	674,174
432080	85	GTE SOUTHWEST INC-OK	0	0	130,180	0	0	15
435215	85	SOUTHWESTERN BELL-OK	0	0	1,893,190	0	0	267,989

TABLE 4.7

1985 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 3

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
442080	85	GTE SOUTHWEST INC-TX	0	0	974,868	0	0	49,434
442084	85	UTC OF TEXAS INC	0	0	54,886	0	0	375
442114	85	CENTEL OF TEXAS	0	0	164,066	0	0	3,413
442154	85	CONTEL OF TEXAS	0	0	104,623	0	0	0
445216	85	SOUTHWESTERN BELL-TX	0	0	7,296,957	0	0	1,616,746
455101	85	MOUNTAIN BELL - AZ	0	0	2,705,941	0	0	429,343
465102	85	MOUNTAIN BELL-CO	0	0	3,212,930	0	0	460,794
472416	85	GTE NORTHWEST INC-ID	0	0	177,189	0	0	3,414
475103	85	MOUNTAIN BELL-ID	0	0	624,912	0	0	51,569
475162	85	PACIFIC NW BELL-ID	0	0	43,759	0	0	261
482416	85	GTE NORTHWEST INC-MT	0	0	10,953	0	0	20
485104	85	MOUNTAIN BELL-MT	0	0	517,339	0	0	56,292
492080	85	GTE SOUTHWEST INC-NM	0	0	80,127	0	0	7
495105	85	MOUNTAIN BELL-NM	0	0	909,062	0	0	173,348
505107	85	MOUNTAIN BELL-UT	0	0	996,070	0	0	222,444
511595	85	UTC OF THE WEST-WY	0	0	11,428	0	0	0
515108	85	MOUNTAIN BELL-WY	0	0	490,735	0	0	50,960
522400	85	UTC OF THE NW-WA	0	0	59,991	0	0	948
522416	85	GTE NORTHWEST INC-WA	0	0	556,645	0	0	32,644
525161	85	PACIFIC NW BELL-WA	0	0	2,411,592	0	0	341,360
532400	85	UTC OF THE NW - OR	0	0	53,618	0	0	419
532416	85	GTE NORTHWEST INC-OR	0	0	360,674	0	0	10,297
535163	85	PACIFIC NW BELL-OR	0	0	1,498,165	0	0	307,567
542302	85	CONTEL OF CALIFORNIA	0	0	197,045	0	0	630
542319	85	GTC OF CALIFORNIA	0	0	2,577,873	0	0	115,109
542344	85	WEST COAST TEL OF CA	0	0	8,603	0	0	0
545170	85	PACIFIC BELL	0	0	10,959,338	0	0	2,918,309
552348	85	CENTEL OF NV	0	0	805,887	0	0	31,611
555173	85	NEVADA BELL	0	0	418,847	0	0	43,631
565010	85	DIAMOND STATE TEL	0	0	791,352	0	0	90,366
575020	85	C & P TEL CO OF WASH	0	0	1,412,505	0	0	670,881
585114	85	NEW ENGLAND TEL - RI	0	0	792,642	0	0	115,810
623100	85	GTE HAWAIIAN TEL. CO	0	0	565,602	0	0	77,836
633201	85	PUERTO RICO TEL CO	0	0	507,069	0	0	0
888888	85	AVERAGE SCHEDULE CO.	0	0	2,309,538	0	0	70,202
999111	85	ALL OTHER COST CO.	0	0	6,483,055	0	0	126,237

TABLE 4.8

1986 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 1

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
105111	86	NEW ENGLAND TEL-ME	195,889	254,271	747,527	2,488	21,644	44,872
115112	86	NEW ENGLAND TEL-MA	1,446,188	1,793,143	5,688,579	60,586	154,963	382,264
125113	86	NEW ENGLAND TEL-NH	339,916	420,404	1,290,778	4,734	35,852	67,736
135200	86	SOUTHERN NEW ENGLAND	1,295,441	1,704,262	2,999,703	223,622	437,055	660,677
145115	86	NEW ENGLAND TEL-VT	126,996	170,538	520,872	857	18,242	29,027
150096	86	CONTEL OF NY, INC	65,769	75,601	232,573	148	3,011	3,669
150121	86	ROCHESTER TEL CORP	118,060	160,594	475,546	19,721	19,957	101,577
155130	86	NEW YORK TEL CO	3,986,371	4,595,546	15,048,490	179,553	557,693	1,298,447
160138	86	UNITED TEL - NJ, INC	0	0	0	0	0	0
165120	86	NEW JERSEY BELL	2,364,749	3,093,095	9,515,963	105,540	208,690	675,264
170169	86	GTE NORTH INC. - PA	121,532	158,461	462,944	18,432	13,997	59,498
170209	86	UTC OF PENNSYLVANIA	68,719	91,471	273,377	2,863	1,904	5,994
175000	86	BELL OF PENNSYLVANIA	1,649,756	2,463,417	7,201,543	61,670	136,101	422,473
185030	86	C & P TEL CO OF MD	898,231	1,269,076	3,613,276	65,623	127,551	332,881
190233	86	CONTEL OF VIRGINIA	182,239	138,189	506,856	885	809	8,608
190254	86	CENTEL OF VIRGINIA	97,333	133,368	230,701	6,906	9,462	16,368
190479	86	GTE SOUTH INC. - VA	8,617	13,527	40,339	723	582	1,347
190567	86	UNITED INTER-MT-VA	24,787	33,614	97,228	25	202	618
195040	86	C & P TEL CO OF VA	1,095,073	1,304,187	4,010,430	29,407	78,343	198,284
200479	86	GTE SOUTH INC. - WV	28,058	37,850	112,308	1,388	1,005	2,473
205050	86	C & P TEL CO OF WV	200,341	333,686	915,983	5,958	29,030	60,519
210328	86	GTE FLORIDA INC.	565,082	704,771	2,308,547	46,221	80,659	233,387
210340	86	CENTEL OF FLORIDA	76,938	103,546	354,626	11,342	14,230	33,654
210341	86	UTC OF FLORIDA	320,107	381,743	1,287,018	18,422	25,427	61,121
215191	86	SOUTHERN BELL-FL	1,711,393	2,143,492	6,836,459	173,753	105,394	547,129
220479	86	GTE SOUTH INC. - GA	45,581	67,191	195,911	626	144	3,506
225192	86	SOUTHERN BELL-GA	1,098,717	1,407,240	4,544,788	91,055	59,918	309,848
230470	86	CAROLINA TEL & TEL	272,116	356,041	1,084,686	2,655	15,231	31,753
230471	86	CENTEL OF NC	59,367	100,868	160,235	1,796	3,051	4,846
230479	86	GTE SOUTH INC - NC	51,669	72,231	210,160	1,817	806	10,842
235193	86	SOUTHERN BELL-NC	515,727	802,174	2,358,553	58,960	58,967	236,116
240479	86	GTE SOUTH INC. - SC	65,125	72,208	216,888	784	1,528	6,966
240506	86	UTC OF THE CAROLINAS	22,174	29,283	90,091	821	1,563	3,648
245194	86	SOUTHERN BELL-SC	381,772	506,780	1,541,386	55,358	45,131	191,345
250293	86	GTE SOUTH INC. - AL	46,410	57,789	179,807	1,355	84	5,577
255181	86	SO CENTRAL BELL-AL	449,667	658,405	1,951,816	19,838	59,651	131,380
260407	86	GTE SOUTH INC. - KY	95,419	146,002	413,174	12,139	12,909	44,127
265061	86	CINCINNATI BELL-KY	31,097	44,762	136,447	1,153	1,834	5,407
265182	86	SO CENTRAL BELL-KY	290,315	400,688	1,218,852	13,287	44,130	93,775
275183	86	SO CENTRAL BELL-LA	565,704	771,105	2,349,509	46,481	73,661	202,039
285184	86	SO CENTRAL BELL-MS	350,064	498,614	1,464,634	11,017	50,079	94,922

TABLE 4.8

1986 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 2

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
290479	86	GTE SOUTH INC. - TN	13,003	18,302	53,942	68	168	1,096
290567	86	UNITED INTER-MT-TN	51,655	77,940	225,062	5,296	8,481	21,007
295185	86	SO. CENTRAL BELL -TN	658,977	914,523	2,821,160	44,777	80,446	211,096
300615	86	GTE NORTH INC. - OH	149,520	205,644	641,568	3,816	1,333	12,661
300630	86	CENTEL OF OHIO	10,700	16,651	27,351	0	0	0
300661	86	UTC OF OHIO	99,225	156,848	449,675	9,439	10,853	29,304
305062	86	CINCINNATI BELL-OH	174,456	276,073	838,540	39,645	58,550	170,406
305150	86	OHIO BELL TEL CO	716,286	1,342,844	3,840,317	109,625	160,020	481,204
310695	86	GTE NORTH INC. - MI	110,053	142,034	439,775	3,057	1,949	9,520
315090	86	MICHIGAN BELL TEL CO	1,060,386	1,366,936	4,316,837	68,357	142,420	401,008
320772	86	GTE NORTH INC. - IN	182,341	265,118	809,428	19,538	17,158	66,254
320832	86	UTC OF INDIANA	45,642	64,905	193,378	351	184	671
325080	86	INDIANA BELL TEL CO	500,092	697,088	2,138,219	23,657	68,623	177,599
330886	86	GTE NORTH INC. - WI	84,608	122,043	366,143	3,218	1,973	6,896
335220	86	WISCONSIN BELL	451,435	769,486	2,136,917	21,516	75,008	160,066
340985	86	CENTEL OF ILLINOIS	48,584	85,878	134,462	0	0	0
341015	86	GTE NORTH INC. - IL	150,230	200,179	614,503	7,124	5,317	27,232
345070	86	ILLINOIS BELL TEL CO	1,745,498	232,344	7,060,190	62,879	142,404	471,671
351186	86	GTE NORTH INC. - IA	27,073	42,581	120,769	20	18	38
351317	86	UTC OF IOWA	16,875	22,245	67,574	676	1,294	3,407
355141	86	NORTHWESTERN BELL-IA	353,652	442,935	1,345,124	69,601	87,134	253,005
361186	86	GTE NORTH INC. - MN	929	1,049	3,326	0	0	0
361367	86	CENTEL OF MN	30,421	44,190	74,611	503	0	503
361456	86	UTC OF MINNESOTA	18,959	24,958	70,912	638	1,195	3,018
365142	86	NORTHWESTERN BELL-MN	505,976	772,424	2,391,671	19,346	39,071	120,050
371186	86	GTE NORTH INC. - NE	10,679	17,110	47,451	0	0	151
371568	86	LINCOLN TEL & TEL CO	55,851	72,271	233,633	8,079	21,791	51,414
371595	86	UTC OF THE WEST-NE	10,290	13,548	39,314	37	75	151
375143	86	NORTHWESTERN BELL-NE	166,629	269,233	831,476	11,609	21,940	60,726
385144	86	NORTHWESTERN BELL-ND	91,435	142,619	425,802	2,764	13,346	31,062
395145	86	NORTHWESTERN BELL-SD	99,338	133,050	421,761	11,049	22,030	66,116
401728	86	UTC OF ARKANSAS	5,133	6,771	19,983	15	29	276
402080	86	GTE SOUTHWEST INC-AR	21,875	27,541	83,686	0	0	0
405211	86	SOUTHWESTERN BELL-AR	208,233	306,390	1,076,267	7,289	42,552	106,536
411842	86	UTC OF KANSAS	24,505	32,371	93,393	53	100	270
415214	86	SOUTHWESTERN BELL-KS	332,336	440,754	1,614,855	14,177	39,065	110,328
421186	86	GTE NORTH INC. - MO	28,474	43,608	124,678	1,454	8,535	13,764
421957	86	UTC OF MISSOURI	50,086	66,063	194,519	1,801	3,267	9,526
425213	86	SOUTHWESTERN BELL-MO	540,201	888,216	2,995,721	30,539	68,081	294,447
432080	86	GTE SOUTHWEST INC-OK	35,898	41,851	133,661	0	6	1,889
435215	86	SOUTHWESTERN BELL-OK	407,231	555,314	1,982,126	16,373	43,263	144,338

TABLE 4.8

1986 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 3

FOODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
442080	86	GTE SOUTHWEST INC-TX	290,627	332,656	1,060,719	2,497	17,073	33,900
442084	86	UTC OF TEXAS INC	14,516	19,134	55,977	83	169	252
442114	86	CENTEL OF TEXAS	54,297	51,076	176,346	3,434	0	6,065
442154	86	CONTEL OF TEXAS	29,358	34,995	109,982	63	120	183
445216	86	SOUTHWESTERN BELL-TX	1,656,470	2,237,796	8,081,222	177,415	219,827	855,826
455101	86	MOUNTAIN BELL - AZ	777,343	967,302	3,067,793	34,580	22,716	128,541
465102	86	MOUNTAIN BELL-CO	827,501	1,074,501	3,479,867	51,201	46,440	296,974
472416	86	GTE NORTHWEST INC-ID	45,020	55,808	169,379	1,812	2,214	6,042
475103	86	MOUNTAIN BELL-ID	130,988	181,865	570,597	5,236	12,159	29,732
475162	86	PACIFIC NW BELL-ID	10,712	10,906	40,674	3	152	269
482416	86	GTE NORTHWEST INC-MT	3,129	3,787	11,614	3	0	3
485104	86	MOUNTAIN BELL-MT	102,078	169,418	503,342	2,371	8,744	16,473
492080	86	GTE SOUTHWEST INC-NM	20,395	20,646	71,768	0	114	259
495105	86	MOUNTAIN BELL-NM	264,414	321,846	998,285	10,465	18,251	58,394
505107	86	MOUNTAIN BELL-UT	246,777	401,930	1,196,013	15,004	17,984	65,662
511595	86	UTC OF THE WEST-WY	3,009	3,975	11,586	0	0	0
515108	86	MOUNTAIN BELL-WY	131,574	155,908	502,542	1,951	8,328	26,282
522400	86	UTC OF THE NW-WA	16,895	22,283	63,248	101	190	382
522416	86	GTE NORTHWEST INC-WA	142,081	180,057	558,471	9,933	4,322	24,979
525161	86	PACIFIC NW BELL-WA	646,210	812,086	2,548,168	34,475	79,944	245,030
532400	86	UTC OF THE NW - OR	14,811	19,561	55,629	41	79	150
532416	86	GTE NORTHWEST INC-OR	84,318	120,244	359,573	10,977	11,536	31,659
535163	86	PACIFIC NW BELL-OR	369,089	536,606	1,606,779	18,736	58,243	156,530
542302	86	CENTEL OF CALIFORNIA	62,478	66,772	217,888	1,139	526	1,995
542319	86	GTC OF CALIFORNIA	747,543	803,784	2,643,039	23,649	54,121	124,756
542344	86	WEST COAST TEL OF CA	2,602	2,945	9,596	0	0	0
545170	86	PACIFIC BELL	3,297,692	3,750,775	12,362,798	177,841	459,752	1,255,136
552348	86	CENTEL OF NV	415,934	419,960	835,893	5,752	7,151	12,903
555173	86	NEVADA BELL	220,687	237,645	458,332	8,843	19,346	28,189
565010	86	DIAMOND STATE TEL	212,749	298,835	898,554	5,844	2,871	42,508
575020	86	C & P TEL CO OF WASH	296,768	656,194	1,666,188	38,663	80,222	254,548
585114	86	NEW ENGLAND TEL - RI	257,064	307,076	970,081	8,778	21,337	48,770
623100	86	GTE HAWAIIAN TEL. CO	166,242	200,704	629,366	25,665	41,471	91,522
633201	86	PUERTO RICO TEL CO	281,575	301,131	582,705	0	2,452	2,452
888888	86	AVERAGE SCHEDULE CO.	0	0	2,016,508	0	0	67,307
999111	86	ALL OTHER COST CO.	0	0	6,780,984	0	0	206,120

- ORIGINATING AND TERMINATING CCL MOUS COVER ONLY JUNE - DECEMBER,
WHILE TOTAL MOUS EXTEND THE ENTIRE YEAR

TABLE 4.9

1987 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 1

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
105111	87	NEW ENGLAND TEL-ME	345,104	471,603	816,707	3,667	39,344	43,011
115112	87	NEW ENGLAND TEL-MA	2,729,775	3,514,603	6,244,378	89,975	237,635	327,610
125113	87	NEW ENGLAND TEL-NH	621,201	815,984	1,437,185	6,532	62,423	68,955
135200	87	SOUTHERN NEW ENGLAND	1,601,723	2,053,604	3,655,327	154,615	365,859	520,474
145115	87	NEW ENGLAND TEL-VT	282,684	292,208	574,892	5,060	29,503	34,563
150096	87	CONTEL OF NY, INC	92,865	126,334	219,199	1,828	21,267	23,096
150121	87	ROCHESTER TEL CORP	236,086	336,898	572,983	30,110	36,770	66,880
155130	87	NEW YORK TEL CO	7,642,642	8,746,944	16,389,586	356,636	1,066,525	1,423,161
160138	87	UNITED TEL - NJ, INC	61,737	77,017	138,754	727	1,833	2,559
165120	87	NEW JERSEY BELL	5,294,097	5,911,434	11,205,531	66,309	210,351	276,659
170169	87	GTE NORTH INC. - PA	249,981	280,560	530,541	22,061	11,604	33,664
170209	87	UTC OF PENNSYLVANIA	135,953	181,918	317,871	5,612	4,374	9,986
175000	87	BELL OF PENNSYLVANIA	3,546,151	4,385,879	7,932,030	43,241	179,644	222,885
185030	87	C & P TEL CO OF MD	2,097,687	2,385,449	4,483,136	82,485	194,698	277,183
190233	87	CONTEL OF VIRGINIA	283,877	293,987	577,864	3,194	6,690	9,884
190254	87	CENTEL OF VIRGINIA	135,165	169,727	304,892	13,790	31,843	45,633
190479	87	GTE SOUTH INC. - VA	20,947	29,664	50,611	4	1	6
190567	87	UNITED INTER-MT-VA	47,327	67,964	115,290	929	942	1,871
195040	87	C & P TEL CO OF VA	2,274,878	2,481,892	4,756,770	20,656	78,437	99,092
200479	87	GTE SOUTH INC. - WV	61,119	77,670	138,789	2,882	421	3,304
205050	87	C & P TEL CO OF WV	449,375	579,861	1,029,237	7,135	58,329	65,464
210328	87	GTE FLORIDA INC.	1,169,300	1,530,587	2,699,887	72,151	72,925	145,076
210340	87	CENTEL OF FLORIDA	179,231	232,156	411,387	33,113	34,502	67,615
210341	87	UTC OF FLORIDA	660,363	811,828	1,472,191	87,148	152,872	240,020
215191	87	SOUTHERN BELL-FL	3,913,748	4,573,293	8,487,041	152,046	194,180	346,226
220479	87	GTE SOUTH INC. - GA	90,746	131,613	222,359	3,017	157	3,173
225192	87	SOUTHERN BELL-GA	2,243,652	2,938,634	5,182,286	54,717	123,655	178,372
230470	87	CAROLINA TEL & TEL	507,144	608,914	1,116,057	16,431	83,190	99,621
230471	87	CENTEL OF NC	86,945	109,053	195,998	2,638	6,539	9,177
230479	87	GTE SOUTH INC - NC	111,461	133,915	245,376	359	764	1,123
235193	87	SOUTHERN BELL-NC	1,060,683	1,541,723	2,602,406	51,532	145,387	196,919
240479	87	GTE SOUTH INC. - SC	110,056	104,868	214,924	3,489	2,032	5,521
240506	87	UTC OF THE CAROLINAS	47,982	60,155	108,137	3,353	7,958	11,310
245194	87	SOUTHERN BELL-SC	754,116	1,107,948	1,862,064	38,842	108,059	146,901
250293	87	GTE SOUTH INC. - AL	85,747	114,586	200,333	1,959	774	2,733
255181	87	SO CENTRAL BELL-AL	909,760	1,276,867	2,186,627	48,391	120,455	168,846
260407	87	GTE SOUTH INC. - KY	198,625	277,905	476,531	5,018	5,750	10,768
265061	87	CINCINNATI BELL-KY	73,565	92,976	166,541	347	1,267	1,614
265182	87	SO CENTRAL BELL-KY	581,629	779,048	1,360,677	25,832	79,245	105,077
275183	87	SO CENTRAL BELL-LA	1,170,013	1,515,169	2,685,182	61,482	126,071	187,553
285184	87	SO CENTRAL BELL-MS	706,554	936,218	1,642,772	15,164	80,101	95,265

TABLE 4.9

1987 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 2

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
290479	87	GTE SOUTH INC. - TN	24,225	37,166	61,391	33	216	249
290567	87	UNITED INTER-MT-TN	98,059	167,274	265,333	13,185	14,827	28,011
295185	87	SO. CENTRAL BELL -TN	1,386,126	1,823,659	3,209,785	71,095	129,574	200,669
300615	87	GTE NORTH INC. - OH	314,701	360,822	675,523	9,963	6,054	16,017
300630	87	CENTEL OF OHIO	28,309	35,498	63,807	4,184	9,165	13,349
300661	87	UTC OF OHIO	212,831	309,136	521,967	11,666	34,486	46,151
305062	87	CINCINNATI BELL-OH	382,241	615,499	997,740	29,874	44,903	74,776
305150	87	OHIO BELL TEL CO	1,826,898	2,638,188	4,465,086	95,788	172,293	268,080
310695	87	GTE NORTH INC. - MI	228,522	246,291	474,813	7,792	8,512	16,304
315090	87	MICHIGAN BELL TEL CO	2,026,893	2,756,672	4,783,565	57,102	186,865	243,967
320772	87	GTE NORTH INC. - IN	395,056	485,955	881,011	62,094	27,544	89,638
320832	87	UTC OF INDIANA	95,124	119,912	215,036	1,230	932	2,163
325080	87	INDIANA BELL TEL CO	1,018,465	1,449,384	2,467,849	39,899	128,096	167,995
330886	87	GTE NORTH INC. - WI	150,338	187,813	338,150	4,808	1,774	6,581
335220	87	WISCONSIN BELL	919,826	1,431,256	2,351,082	20,708	115,375	136,083
340985	87	CENTEL OF ILLINOIS	123,397	154,854	278,251	2,576	5,548	8,124
341015	87	GTE NORTH INC. - IL	293,986	362,144	656,130	17,330	9,643	26,973
345070	87	ILLINOIS BELL TEL CO	3,494,298	4,674,608	8,168,906	67,904	196,121	264,025
351186	87	GTE NORTH INC. - IA	52,197	69,105	121,302	150	62	212
351317	87	UTC OF IOWA	34,540	43,306	77,846	203	450	653
355141	87	NORTHWESTERN BELL-IA	622,300	893,128	1,515,428	102,341	178,499	280,840
361186	87	GTE NORTH INC. - MN	1,856	1,868	3,724	0	0	0
361367	87	CENTEL OF MN	38,882	48,755	87,637	135	285	420
361456	87	UTC OF MINNESOTA	38,513	48,299	86,813	390	884	1,274
365142	87	NORTHWESTERN BELL-MN	1,044,628	1,519,443	2,564,071	62,402	146,398	208,800
371186	87	GTE NORTH INC. - NE	21,215	28,427	49,641	280	13	293
371568	87	LINCOLN TEL & TEL CO	127,959	164,593	292,552	466	11,377	11,843
371595	87	UTC OF THE WEST-NE	18,961	23,771	42,733	133	306	439
375143	87	NORTHWESTERN BELL-NE	324,247	513,148	837,396	23,744	63,287	87,032
385144	87	NORTHWESTERN BELL-ND	197,501	261,702	459,204	4,656	36,185	40,841
395145	87	NORTHWESTERN BELL-SD	188,244	259,615	447,858	19,291	50,275	69,566
401728	87	UTC OF ARKANSAS	11,290	14,151	25,440	12	26	38
402080	87	GTE SOUTHWEST INC-AR	39,943	51,260	91,203	0	44	44
405211	87	SOUTHWESTERN BELL-AR	468,580	682,314	1,150,894	11,280	87,581	98,861
411842	87	UTC OF KANSAS	38,970	48,868	87,838	75	168	243
415214	87	SOUTHWESTERN BELL-KS	773,077	994,392	1,767,468	28,653	92,991	121,643
421186	87	GTE NORTH INC. - MO	55,905	69,206	125,111	18,279	16,433	34,712
421957	87	UTC OF MISSOURI	93,504	117,352	210,856	4,743	10,899	15,642
425213	87	SOUTHWESTERN BELL-MO	1,276,910	2,011,985	3,288,895	46,964	122,094	169,058
432080	87	GTE SOUTHWEST INC-OK	61,891	79,384	141,274	44	75	119
435215	87	SOUTHWESTERN BELL-OK	916,193	1,188,061	2,104,254	33,115	99,182	132,298

TABLE 4.9

1987 TIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 3

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
442080	87	GTE SOUTHWEST INC-TX	596,042	710,087	1,306,129	7,718	16,758	24,475
442084	87	UTC OF TEXAS INC	26,513	33,249	59,762	1,181	2,931	4,113
442114	87	CENTEL OF TEXAS	81,194	101,751	182,945	1,545	3,129	4,674
442154	87	CONTEL OF TEXAS	56,647	66,056	122,702	2,717	2,945	5,662
445216	87	SOUTHWESTERN BELL-TX	4,060,431	5,163,881	9,224,312	254,375	278,419	532,794
455101	87	MOUNTAIN BELL - AZ	1,678,121	1,921,279	3,599,400	102,825	129,513	232,339
465102	87	MOUNTAIN BELL-CO	1,741,858	1,998,233	3,740,091	177,767	174,998	352,764
472416	87	GTE NORTHWEST INC-ID	79,873	99,834	179,707	2,912	5,365	8,277
475103	87	MOUNTAIN BELL-ID	285,337	363,056	648,394	15,888	35,758	51,646
475162	87	PACIFIC NW BELL-ID	17,608	22,608	40,216	161	760	921
482416	87	GTE NORTHWEST INC-MT	5,637	6,925	12,562	0	3	3
485104	87	MOUNTAIN BELL-MT	236,724	302,395	539,119	11,974	28,292	40,267
492080	87	GTE SOUTHWEST INC-NM	37,451	38,118	75,569	0	230	230
495105	87	MOUNTAIN BELL-NM	511,357	607,438	1,118,795	22,119	96,164	118,283
505107	87	MOUNTAIN BELL-UT	532,782	728,374	1,261,155	67,734	69,988	137,722
511595	87	UTC OF THE WEST-WY	5,547	6,952	12,500	5	14	19
515108	87	MOUNTAIN BELL-WY	248,848	268,801	517,648	8,464	32,096	40,561
522400	87	UTC OF THE NW-WA	31,475	39,458	70,933	353	857	1,210
522416	87	GTE NORTHWEST INC-WA	294,027	336,825	630,852	21,225	9,965	31,190
525161	87	PACIFIC NW BELL-WA	1,190,776	1,628,652	2,819,428	34,446	94,258	128,704
532400	87	UTC OF THE NW - OR	27,518	34,493	62,011	289	714	1,003
532416	87	GTE NORTHWEST INC-OR	180,315	234,796	415,111	13,373	6,664	20,037
535163	87	PACIFIC NW BELL-OR	711,006	996,015	1,707,021	24,504	79,969	104,473
542302	87	CONTEL OF CALIFORNIA	113,183	119,464	232,648	4,617	4,342	8,959
542319	87	GTC OF CALIFORNIA	1,588,394	1,614,689	3,203,084	25,723	54,312	80,034
542344	87	WEST COAST TEL OF CA	5,331	5,836	11,168	68	84	152
545170	87	PACIFIC BELL	6,395,657	7,588,195	13,983,852	132,634	621,674	754,308
552348	87	CENTEL OF NV	516,444	505,798	1,022,242	210	501	711
555173	87	NEVADA BELL	226,447	264,558	491,005	13,535	14,839	28,375
565010	87	DIAMOND STATE TEL	452,661	536,116	988,778	4,603	2,043	6,646
575020	87	C & P TEL CO OF WASH	715,737	1,101,146	1,816,883	48,100	53,816	101,916
585114	87	NEW ENGLAND TEL - RI	584,766	562,020	1,146,786	21,140	49,259	70,398
623100	87	GTE HAWAIIAN TEL. CO	380,877	427,731	808,607	39,469	36,917	76,386
633201	87	PUERTO RICO TEL CO	301,162	389,421	690,583	2,123	52,777	54,899
888888	87	AVERAGE SCHEDULE CO.	138,018	172,693	310,710	3,247	7,456	10,703
999111	87	ALL OTHER COST CO.	3,144,343	3,936,839	7,081,213	79,138	173,936	253,070

TABLE 4.10

1987 MONTIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

PAGE 1

FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
100003	87	LINCOLNVILLE TEL CO	723	904	1,627	0	0	0
100004	*	CHINA TEL CORP	1,223	1,531	2,754	0	0	0
100010	*	HAMPDEN TEL CO	1,067	1,337	2,404	0	0	0
100011	87	HARTLAND & ST ALBANS	1,266	1,586	2,852	0	0	0
100014	87	CONTEL OF MAINE	25,120	31,397	56,517	1,057	2,400	3,456
100024	87	SOMERSET TEL CO	4,988	6,243	11,230	0	0	0
100025	*	STANDISH TEL CO	3,658	4,575	8,233	0	0	0
100027	87	UNION RIVER TEL CO	324	405	729	0	0	0
100029	*	UNITY TEL CO	1,754	2,200	3,955	0	0	0
100031	87	WARREN TEL CO	722	903	1,625	0	0	0
100034	87	WEST PENOBSCOT TEL	798	1,001	1,799	0	0	0
120038	87	BRETTON WOODS TEL CO	295	368	663	0	0	0
120039	*	GRANITE STATE TEL	5,784	7,247	13,031	0	0	0
120041	87	CONTEL OF NH	10,297	12,926	23,223	384	873	1,257
120045	+	KEARSARGE TEL CO	5,399	6,772	12,171	0	0	0
120046	+	MERIDEN TEL CO	553	694	1,247	0	0	0
120047	87	MERRIMAK COUNTY TEL	4,994	6,257	11,251	0	0	0
120049	87	UNION TEL CO	4,070	5,113	9,184	0	0	0
120050	87	WILTON TEL CO - NH	2,765	3,469	6,234	0	0	0
140058	87	LUDLOW TEL CO	2,691	3,369	6,060	0	0	0
140061	87	NORTHFIELD TEL CO	2,873	3,613	6,486	0	0	0
140062	87	PERKINSVILLE TEL CO	713	893	1,605	0	0	0
140068	87	TOPSHAM TEL CO	788	988	1,776	0	0	0
140069	87	WAITSFIELD/FAYSTON	4,153	5,211	9,364	20	46	66
140070	87	CONTEL OF VERMONT	31,812	39,859	71,671	126	286	412
150071	87	ARMSTRONG TEL CO-NY	1,739	2,180	3,919	0	0	0
150072	87	AU SABLE VALLEY TEL	2,404	3,019	5,423	0	0	0
150073	*	BERKSHIRE TEL CORP	2,295	2,876	5,171	95	196	291
150077	87	CHAMPLAIN TEL CO	3,715	4,654	8,368	525	1,198	1,723
150078	87	CHAUTAUQUA & ERIE	5,529	6,923	12,453	474	1,116	1,591
150079	*	CHAZY & WESTPORT	1,359	1,702	3,061	0	0	0
150081	87	CITIZENS HAMMOND NY	310	388	698	0	0	0
150082	87	CLYMER TEL CO	803	1,007	1,810	32	85	117
150084	87	TACONIC TEL CORP	12,125	15,193	27,318	0	0	0
150085	87	CROWN POINT TEL CORP	356	445	802	0	0	0
150088	*	DELHI TEL CO	1,481	1,860	3,341	1	2	2
150091	87	DUNKIRK & FREDONIA	2,927	3,673	6,600	561	1,289	1,850
150092	87	EDWARDS TEL CO	601	753	1,354	0	0	0
150093	87	EMPIRE TEL CORP	2,923	3,659	6,583	263	627	890
150097	87	GERMANTOWN TEL CO	969	1,215	2,184	0	0	0
150099	87	HANCOCK TEL CO	804	1,007	1,811	1	2	2
150100	87	HIGHLAND TEL CO	35,265	44,207	79,472	0	0	0
150104	*	MARGARETVILLE TEL CO	970	1,213	2,183	0	0	0
150105	87	MIDDLEBURGH TEL CO	1,988	2,493	4,481	0	0	0
150106	87	ALLTEL NY-FULTON	16,732	20,965	37,697	1,030	2,733	3,763

TABLE 4.10

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F CODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
150107	*	NEWPORT TEL CO	827	1,037	1,865	0	0	0
150108	87	NICHOLVILLE TEL CO	592	743	1,336	47	109	156
150109	87	ALLTEL NY-JAMESTOWN	23,681	29,690	53,371	356	943	1,299
150110	87	OGDEN TEL CO	6,081	7,625	13,706	0	0	0
150111	*	ONEIDA COUNTY RURAL	1,023	1,283	2,307	81	195	276
150113	87	ALLTEL NY-RED JACKET	681	853	1,534	62	146	207
150118	*	PORT BYRON TEL CO	724	908	1,632	0	0	0
150119	87	RED HOOK TEL CO	7,503	9,658	17,161	83	1,060	1,143
150122	87	SENECA-GORHAM TEL	2,586	3,243	5,830	0	0	0
150128	87	SYLVAN LAKE TEL CO	7,159	8,974	16,132	0	0	0
150133	87	VERNON TEL CO	927	1,162	2,089	77	208	286
150135	87	WARWICK VALLEY-NY	9,605	12,040	21,645	2	4	6
150136	87	WESTERN COUNTIES TEL	11,697	14,878	26,575	7	2,589	2,596
160135	87	WARWICK VALLEY-NJ	4,855	6,084	10,938	0	0	0
170170	87	CONTEL OF PA	29,944	37,585	67,529	486	1,067	1,554
170177	*	LACKAWAXEN TEL CO	1,780	2,219	3,998	0	0	0
170189	*	ARMSTRONG TEL CO-PA	780	977	1,757	0	0	0
170192	87	NORTH PENN TEL CO	3,619	4,536	8,155	64	156	220
170194	87	OSWAYO RIVER TEL CO	1,602	2,010	3,612	0	0	0
170201	87	QUAKER STATE TEL CO	21,765	27,252	49,017	112	255	368
170206	87	SUGAR VALLEY TEL CO	374	469	843	0	0	0
170210	*	VENUS TEL CORP	385	482	867	0	0	0
180216	87	ARMSTRONG TEL OF MD	4,067	5,097	9,164	0	0	0
190217	+	AMELIA TEL CORP	1,266	1,586	2,852	0	0	0
190249	*	ROANOKE & BOTETOURT	4,470	5,608	10,079	394	929	1,323
200259	*	HARDY TEL CO	1,228	1,538	2,766	0	0	0
200270	+	MOUNTAIN STATE TEL	12,555	15,747	28,302	0	0	0
200278	87	CONTEL OF WV	17,366	21,734	39,100	22	50	71
210291	87	FLORALA TEL CO	1,973	2,476	4,449	0	0	0
210318	87	SOUTHLAND TEL-FL	1,787	2,239	4,026	52	107	159
210329	87	GULF TEL CO	3,753	4,705	8,459	0	0	0
210330	87	VISTA-UNITED TELCOM	11,300	14,175	25,475	5,740	12,775	18,515
210331	87	INDIANTOWN SYSTEM	1,182	1,483	2,665	9	24	33
210335	87	NORTHEAST FLORIDA	2,470	3,094	5,564	0	0	0
210336	87	ALLTEL FLORIDA INC.	25,681	32,157	57,838	93	235	328
210338	87	QUINCY TEL CO-FL DIV	4,363	5,473	9,836	0	0	0
210339	87	ST JOSEPH TEL & TEL	12,578	15,757	28,335	53	120	172
220281	87	CONTEL OF SOUTH - GA	24,499	30,705	55,204	1,085	2,459	3,544
220324	*	VALLEY TEL CO - GA	2,431	3,055	5,486	0	0	0
220338	87	QUINCY TEL CO-GA DIV	578	725	1,303	0	0	0
220344	87	ALMA TEL CO	2,072	2,595	4,668	0	0	0
220347	87	BRANTLEY TEL CO	1,253	1,569	2,822	0	0	0
220351	87	CAMDEN TEL & TEL CO	12,183	15,284	27,467	109	274	383
220355	87	CITIZENS TEL CO - GA	1,628	2,040	3,668	0	0	0
220356	87	COASTAL UTILITIES	19,927	24,992	44,919	0	0	0

TABLE 4.10

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
220358	87	DARIEN TEL CO	1,782	2,233	4,015	0	0	0
220360	87	ELLIJAY TEL CO	2,174	2,724	4,899	0	0	0
220371	*	INTERSTATE TEL CO	5,778	7,263	13,041	0	0	0
220377	87	PINELAND TEL COOP	3,039	3,812	6,851	0	0	0
220379	87	PLANT TEL. CO.	2,607	3,265	5,872	0	0	0
220381	87	PUBLIC SERVICE TEL	2,678	3,352	6,030	0	0	0
220386	87	STANDARD TEL CO	17,008	21,320	38,328	50	120	171
220392	87	WAVERLY HALL TEL CO	740	927	1,667	0	0	0
220394	87	WILKES TEL & ELC CO	3,220	4,034	7,254	0	0	0
230468	87	ATLANTIC MEMBERSHIP	9,639	12,076	21,715	0	0	0
230469	+	BARNARDSVILLE TEL CO	400	501	901	0	0	0
230473	87	CITIZENS TEL CO	8,208	10,263	18,472	470	1,099	1,569
230474	*	CONCORD TEL CO	28,392	35,595	63,987	3,222	7,415	10,638
230476	87	ALLTEL CAROLINA-NO	54,559	68,333	122,892	289	670	959
230481	87	HEINS TEL CO	10,176	12,755	22,930	47	111	158
230502	87	STAR MEMBERSHIP CORP	4,548	5,688	10,236	0	0	0
230509	87	CONTEL OF NC	54,803	68,627	123,430	1,184	2,692	3,876
230510	87	WILKES MEMBERSHIP	1,857	2,325	4,182	0	0	0
240512	87	BLUFFTON TEL & APPL	2,640	3,314	5,954	141	321	463
240520	87	FARMERS TEL COOP	25,022	31,314	56,336	1,966	4,578	6,544
240523	87	HARGRAY TEL CO	31,204	39,078	70,282	3,241	7,402	10,643
240526	87	CONTEL OF SC	10,703	13,418	24,122	884	2,005	2,889
240528	87	HORRY TEL COOP	26,585	33,282	59,867	375	944	1,319
240533	87	MCCLELLANVILLE TEL	829	1,038	1,867	0	0	0
240539	87	POND BRANCH TEL CO	2,726	3,416	6,142	345	910	1,256
240551	87	WILLISTON TEL CO	1,750	2,192	3,941	4	8	11
250281	87	CONTEL OF THE SOUTH	46,380	58,131	104,511	494	1,117	1,611
250284	+	BUTLER TEL CO	2,294	2,874	5,168	0	0	0
250295	*	GRACEBA TOTAL COMM	1,953	2,450	4,403	0	0	0
250297	+	GROVE HILL TEL CORP	585	733	1,318	0	0	0
250298	87	GULF TEL CO - AL	16,379	20,396	36,775	0	0	0
250300	87	HOPPER TEL. CO INC	628	787	1,415	0	0	0
250304	87	MILLRY TEL CO	2,596	3,253	5,849	0	0	0
250306	87	MONROEVILLE TEL CO	6,656	8,337	14,993	0	0	0
250314	87	PEOPLES TEL CO	5,192	6,508	11,700	0	0	0
250315	*	PINE BELT TEL CO	671	839	1,511	0	0	0
250316	87	RAGLAND TEL CO	293	367	660	0	0	0
250318	87	SOUTHLAND TEL CO-AL	6,074	7,618	13,692	36	77	113
250461	87	SOUTHEAST MS TEL CO	869	1,088	1,957	0	0	0
260410	87	CONTEL OF KENTUCKY	34,896	43,749	78,645	110	251	361
270422	+	ATHENS TEL CO	121	152	274	3	5	8
270423	+	CENTRAL LOUISIANA	4,052	5,080	9,132	96	179	275
270424	+	COASTAL TEL & ELECTR	2,480	3,105	5,584	65	121	186
270425	87	CAMERON TEL CO - LA	2,352	2,949	5,301	125	233	358
270427	*	CHATHAM TEL CO	358	449	807	4	8	12

TABLE 4.10

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
270429	87	EAST ASCENSION TEL	8,595	10,778	19,373	99	236	335
270430	87	ELIZABETH TEL CO	794	995	1,789	17	32	49
270431	+	CADDOAN TEL CO	3,842	4,817	8,659	48	89	137
270433	87	LAFOURCHE TEL CO	3,232	4,047	7,279	422	940	1,362
270434	+	EVANGELINE TEL CO	6,814	8,562	15,376	182	339	521
270435	87	NORTHEAST LOUISIANA	612	767	1,379	0	0	0
270436	+	NORTHWEST LOUISIANA	512	642	1,154	7	13	20
270437	+	PLAIN DEALING TEL CO	781	978	1,760	12	23	35
270439	*	RINGGOLD TEL CO	591	739	1,330	0	0	0
270440	+	CENTURY TEL CO	593	744	1,337	11	21	32
270442	+	LOUISIANA WESTERN	1,195	1,501	2,696	26	49	75
270443	+	UTC OF LOUISIANA	1,181	1,479	2,660	15	28	43
280446	87	BAY SPRINGS TEL CO	4,785	6,002	10,786	0	0	0
280451	*	DECATUR TEL CO -MS	509	638	1,148	0	0	0
280452	87	DELTA TEL CO	1,308	1,639	2,946	0	0	0
280454	87	FRANKLIN TEL CO - MS	2,857	3,577	6,434	3	6	9
280458	*	HOME TEL CO-OLIVE BR	7,784	9,752	17,537	0	0	0
280459	87	HUGHES TEL CO	2,175	2,723	4,899	0	0	1
280464	87	NOXAPATER TEL CO	256	320	576	0	0	0
280466	*	SLEDGE TEL CO	235	294	529	0	0	0
290552	*	ADAMSVILLE TEL CO	2,451	3,071	5,522	109	248	357
290571	87	MILLINGTON TEL CO	19,050	23,900	42,949	0	0	0
290575	+	TENNESSEE TEL CO	18,378	23,002	41,380	1,066	2,244	3,309
290579	87	TWIN LAKES TEL COOP	7,671	9,614	17,285	0	0	0
300597	+	THE CHILLICOTHE TEL	7,941	9,957	17,898	129	284	412
300607	+	CONTEL OF OHIO	629	788	1,418	0	0	0
300613	87	FAYETTEVILLE TEL CO	516	645	1,161	0	0	0
300649	*	ORWELL TEL CO	2,191	2,748	4,939	0	0	0
300665	87	ALLTEL OHIO-WEST OH	7,700	9,641	17,341	135	320	455
300682	87	C, C & S TELCO -OHIO	303	379	682	0	0	0
310678	*	BLANCHARD TEL ASSN	224	280	504	0	0	0
310679	87	BLOOMINGDALE TEL CO	619	777	1,396	0	0	0
310680	87	CHIPPEWA COUNTY TEL	254	318	572	0	0	0
310681	87	ALLTEL MICHIGAN INC.	22,326	28,015	50,341	10	25	35
310682	87	C, C & S TELCO - MI	6,801	8,534	15,335	0	0	0
310683	+	CARR TEL CO	298	373	671	0	0	0
310685	87	CHATHAM TEL CO - MI	942	1,178	2,120	0	0	0
310687	87	CLAYTON TEL CO	226	282	508	0	0	0
310699	87	HICKORY TEL CO	662	828	1,489	0	0	0
310702	+	CENTURY OF MICHIGAN	13,544	16,993	30,537	16	41	58
310704	87	ACE TEL OF MICHIGAN	1,041	1,305	2,346	0	0	0
310711	87	MIDWAY TEL CO	335	420	755	0	0	0
310713	87	HIAWATHA TEL CO	1,658	2,074	3,733	51	106	157
310717	87	ONTONAGON COUNTY TEL	2,087	2,613	4,700	0	0	0
310721	87	PIGEON TEL CO	836	1,048	1,884	0	0	0

TABLE 4.10

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
310728	87	SPRINGPORT TEL CO	486	609	1,095	0	0	0
310732	+	UPPER PENINSULA TEL	1,949	2,439	4,388	0	0	0
310734	*	WALDRON TEL CO	358	449	807	0	0	0
310735	*	WESTPHALIA TEL CO	94	118	212	0	0	0
310738	87	WOLVERINE TEL CO	2,109	2,641	4,750	0	0	0
320753	87	CLAY CTY RURAL COOP	2,112	2,648	4,760	0	0	0
320762	87	ELNORA TEL CO	144	180	325	0	0	0
320778	87	HOME TEL CO INC	593	743	1,336	0	0	0
320779	87	CONTEL OF INDIANA	69,494	87,145	156,639	2,094	4,843	6,937
320797	87	NEW PARIS TEL INC	899	1,127	2,026	0	0	0
320800	87	NORTHWESTERN INDIANA	5,517	6,917	12,434	0	0	0
320807	*	PERRY-SPENCER RURAL	1,428	1,794	3,222	0	0	0
320813	*	PULASKI-WHITE RURAL	524	657	1,181	0	0	0
320830	*	TRI-COUNTY TEL CO	1,158	1,450	2,608	0	0	0
320839	*	YEOMAN TEL CO, INC	318	399	717	0	0	0
330841	87	CENCOM OF WISCONSIN	9,832	12,306	22,138	0	0	0
330842	*	AMERY TEL CO	3,550	4,448	7,998	0	0	0
330843	*	AMHERST TEL CO	1,201	1,504	2,705	0	0	0
330844	87	BADGER STATE TEL CO	1,420	1,778	3,197	0	0	0
330851	+	BONDUEL TEL CO	443	555	998	0	0	0
330855	*	BRUCE TEL CO, INC	698	875	1,573	0	0	0
330856	+	BURLINGTON B&W	1,907	2,390	4,297	0	0	0
330857	*	CASCO TEL CO	195	244	439	0	0	0
330858	*	LAKESHORE TEL CO	295	369	664	0	0	0
330859	87	CENTRAL STATE TEL CO	2,510	3,145	5,655	0	0	0
330860	87	CHEQUAMEGON TEL COOP	2,833	3,550	6,383	0	0	0
330861	*	CHIBARDUM TEL COOP	1,855	2,324	4,179	0	0	0
330870	87	CRANDON TEL CO	638	799	1,437	0	0	0
330876	+	DODGE COUNTY TEL CO	246	309	555	0	0	0
330882	+	FENNIMORE TEL CO	598	749	1,347	0	0	0
330883	87	FOOTVILLE TEL CO	369	462	831	0	0	0
330888	87	GREENWOOD TEL CO	428	536	965	0	0	0
330889	*	HAGER CITY TEL CO	1,069	1,340	2,408	0	0	0
330891	+	HEADWATERS TEL CO	1,420	1,774	3,193	0	0	0
330892	*	HILLSBORO TEL CO	440	551	991	0	0	0
330895	+	CENTURY OF WISCONSIN	31,848	39,958	71,805	2,192	4,998	7,189
330898	87	LARSEN-READFIELD TEL	516	647	1,162	0	0	0
330900	*	LEMONWEIR VALLEY TEL	1,406	1,764	3,170	0	0	0
330905	*	MANAWA TEL CO	542	680	1,223	0	0	0
330908	87	MARQUETTE-ADAMS COOP	1,265	1,588	2,853	3	7	10
330909	87	MIDWAY TEL CO	2,513	3,151	5,663	0	0	0
330910	*	MILLTOWN MUTUAL TEL	1,242	1,553	2,795	0	0	0
330913	87	MONROE COUNTY TEL CO	5,030	6,298	11,329	0	0	0
330914	+	MOSEL & CENTERVILLE	1,078	1,352	2,430	16	38	55
330916	87	MOUNT HOREB TEL CO	1,153	1,445	2,598	3	9	12

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
330917	87	MT VERNON TEL CO	2,448	3,067	5,516	0	0	0
330920	*	NIAGARA TEL CO	4,462	5,583	10,045	0	0	0
330922	+	NORTH-WEST TEL CO	23,047	28,883	51,930	0	0	0
330925	*	BAYLAND TEL CO	450	564	1,013	0	0	0
330931	87	PEOPLES TEL CO	2,019	2,530	4,549	0	0	0
330934	+	PLATTEVILLE TEL CO	3,740	4,693	8,433	0	0	0
330936	87	INDIANHEAD TEL CO	853	1,069	1,923	0	0	0
330937	+	PRICE COUNTY TEL CO	1,473	1,847	3,320	0	0	0
330940	+	RHINELANDER TEL CO	4,693	5,876	10,569	0	0	0
330941	*	RIB LAKE TEL CO	321	402	722	0	0	0
330943	+	ROCK RIVER TEL CO	764	958	1,722	0	0	0
330945	+	SCANDINAVIA TEL CO	686	859	1,544	0	0	0
330948	*	SHELL LAKE TEL CO	927	1,163	2,090	0	0	0
330949	*	SIREN TEL CO, INC	1,033	1,294	2,327	0	0	0
330950	87	SOLOM SPRINGS TEL CO	7,387	9,252	16,639	1	3	4
330952	87	SE TEL OF WISCONSIN	2,354	2,950	5,304	0	0	0
330954	+	STOCKBRIDGE & SHERWD	610	763	1,373	0	0	0
330956	87	UNIVERSAL OF N WISC	4,323	5,408	9,731	1	2	2
330959	*	THORP TEL CO	785	983	1,768	0	0	0
330961	*	TURTLE LAKE TEL CO	496	621	1,117	0	0	0
330963	87	UNITED TELEQUIPMENT	7,542	9,454	16,996	65	162	228
330964	+	URBAN TEL CORP	5,201	6,514	11,715	49	112	161
330965	87	VALDERS TEL CO	493	617	1,110	0	0	0
330967	*	VIROQUA TEL CO	1,305	1,636	2,941	0	0	0
330973	*	WITTENBERG TEL CO	494	619	1,113	0	0	0
330974	87	WOOD COUNTY TEL CO	8,462	10,606	19,068	27	67	94
341000	87	ALLTEL ILLINOIS INC.	26,616	33,261	59,877	48	116	165
341003	*	EGYPTIAN COOP ASSN	982	1,230	2,212	1	2	2
341004	87	EL PASO TEL CO	749	940	1,689	3	6	9
341009	*	C-R TEL CO	304	381	686	0	1	1
341011	87	LAKESIDE TEL CO	300	376	676	0	0	0
341023	87	GRIDLEY TEL CO	644	808	1,452	3	7	10
341036	87	CONTEL OF ILLINOIS	98,957	124,013	222,970	1,424	3,097	4,520
341037	87	IL CONSOLIDATED TEL	32,075	40,201	72,276	6,149	14,295	20,444
341038	87	INLAND TEL CO	1,678	2,102	3,780	0	0	0
341045	87	LEAF RIVER VLY TEL	212	266	479	0	0	0
341055	87	MIDLAND TEL CO	1,408	1,762	3,169	0	0	0
341060	87	MOULTRIE INDEPENDENT	187	235	422	0	0	0
341073	87	PRAIRIE TEL CO	353	443	796	0	0	0
351105	87	AYRSHIRE FARMERS MUT	165	206	371	0	0	0
351110	87	BERNARD TEL CO INC	197	248	445	0	0	0
351113	*	BROOKLYN MUTUAL TEL	485	606	1,090	0	0	0
351153	*	DUNKERTON TEL COOP	293	367	661	0	0	0
351207	87	CONTEL OF IOWA, INC.	34,151	42,820	76,971	0	0	0
351214	*	KALONA COOP TEL CO	865	1,081	1,946	0	0	0

TABLE 4.10

1987 NONTIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
351229	87	LOST NATION-ELWOOD	249	312	562	0	0	0
351316	*	UNITED FARMERS TEL	332	417	749	0	0	0
351327	87	WEBB-DICKENS TEL	212	265	477	0	0	0
351329	*	WELLMAN COOP TEL	465	583	1,048	0	0	0
351346	+	ACE TEL ASSN-IA	1,496	1,876	3,373	0	0	0
351888	87	GRAND RIVER MUT-IA	3,927	4,920	8,847	0	0	0
361140	87	CONTEL OF MINNESOTA	40,174	50,339	90,513	0	0	0
361346	+	ACE TEL ASSN-MN	4,522	5,668	10,190	0	0	0
361350	*	ARVIG TEL CO	3,175	3,965	7,140	21	49	70
361357	*	BLACKDUCK TEL CO	426	534	960	0	0	0
361362	*	BRIDGEWATER TEL CO	2,264	2,838	5,102	0	0	0
361370	*	CLARA CITY TEL EXCH	420	525	945	0	0	0
361373	*	CONSOLIDATED TEL CO	1,966	2,457	4,422	0	0	0
361374	+	ARROWHEAD COMM CORP	149	187	336	0	0	0
361379	*	DEER RIVER TEL CO	595	745	1,340	0	0	0
361383	*	EAGLE VALLEY TEL CO	176	221	396	0	0	0
361385	87	EAST OTTER TAIL TEL	5,107	6,397	11,504	4	12	16
361387	*	EMILY COOP TEL CO	292	365	657	0	0	0
361395	*	GARDEN VALLEY TEL CO	6,451	8,081	14,532	5	12	16
361399	*	GRANADA TEL CO	77	97	174	0	0	0
361401	*	HALSTAD TEL CO	1,074	1,346	2,421	0	0	1
361410	*	JOHNSON TEL CO	468	586	1,055	0	0	0
361414	+	LAKEDALE TEL CO	2,452	3,069	5,521	12	34	47
361425	*	MADELIA TEL CO	557	699	1,256	0	0	0
361433	87	MID STATE TEL CO	1,939	2,428	4,367	0	0	0
361442	*	NEW ULM TELECOM, INC	4,178	5,245	9,423	0	0	0
361443	*	NORMAN COUNTY TEL CO	2,077	2,601	4,679	0	0	0
361445	*	NORTHLAND TEL CO	240	301	540	0	0	0
361451	*	PAUL BUNYAN RURAL	2,185	2,735	4,920	0	0	0
361482	*	SHERBURNE CTY RURAL	1,880	2,355	4,235	0	0	0
361483	*	SLEEPY EYE TEL CO	1,563	1,957	3,520	0	0	0
361487	*	STARBUCK TEL CO	344	431	774	0	0	0
361491	+	TWIN VALLEY-ULEN TEL	1,145	1,433	2,578	0	0	0
361499	*	CROSSLAKE TEL CO	381	476	857	0	0	0
371516	+	ARAPAHOE TEL CO	444	556	1,000	0	0	0
371517	87	ARLINGTON TEL CO	543	680	1,223	0	0	0
371524	87	BLAIR TEL CO	5,070	6,347	11,417	0	0	0
371525	87	THREE RIVER TELCO	673	843	1,515	0	0	0
371530	*	CONSOLIDATED TELCO	740	927	1,666	0	0	0
371531	*	CLARKS TEL CO	325	407	732	0	0	0
371534	87	COZAD TEL CO	1,176	1,472	2,648	0	0	0
371536	87	CURTIS TEL CO	322	403	725	0	0	0
371537	87	DALTON TEL CO, INC	823	1,031	1,854	0	0	0
371540	87	DILLER TEL CO	248	310	558	0	0	0
371542	87	EASTERN NEBRASKA TEL	2,094	2,617	4,711	0	0	0

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
371553	*	GLENWOOD TEL MEMBER	1,043	1,306	2,349	0	0	0
371557	87	HARTMAN TEL EXCH INC	348	436	785	1	3	5
371558	87	HEMINGFORD COOP TEL	476	596	1,072	0	0	0
371561	*	HERSHEY COOP TEL CO	453	568	1,021	0	0	0
371565	*	K & M TEL CO, INC	266	334	600	3	7	11
371567	87	KEYSTONE-ARTHUR TEL	214	268	482	0	0	0
371574	87	NEBRASKA CENTRAL TEL	1,892	2,368	4,261	0	0	0
371576	*	NORTHEAST NEBRASKA	1,781	2,233	4,014	0	0	0
371577	87	GREAT PLAINS COMMUN	12,847	16,103	28,950	0	0	0
371580	87	PETERSBURG TEL CO	119	149	268	0	0	0
371581	*	PIERCE TEL CO	546	685	1,231	0	0	0
371586	87	ROCK COUNTY TEL CO	561	703	1,264	0	0	0
371587	*	RODEO TEL, INC	1,052	1,318	2,369	0	0	0
371591	*	SE NEBRASKA TEL CO	2,590	3,234	5,824	0	0	0
371592	87	STANTON TEL CO, INC	351	439	789	0	0	0
371597	87	WAUNETA TEL CO	421	525	946	0	0	0
372455	*	BENKELMAN TEL CO	796	995	1,792	0	0	0
381447	87	CONTEL OF N. DAKOTA	5,016	6,289	11,305	0	0	0
381604	*	BEK TEL MUTUAL AID	1,702	2,133	3,835	0	0	0
381607	87	CONSOLIDATED COOP	2,411	3,022	5,434	0	0	0
381610	*	DAKOTA CENTRAL RURAL	1,173	1,470	2,644	0	0	0
381611	*	DICKEY RURAL COOP	1,532	1,919	3,450	0	0	0
381616	87	INTER-COMMUNITY TEL	614	769	1,382	0	0	0
381617	*	MIDSTATE TEL CO	925	1,159	2,084	1	1	2
381625	*	NORTHWEST COMM COOP	1,748	2,190	3,939	0	0	0
381630	*	POLAR COMM MUT AID	4,993	6,258	11,251	0	0	0
381632	87	RESERVATION TEL COOP	2,451	3,070	5,522	0	0	0
381634	87	SOURIS RIVER TEL MUT	9,623	12,058	21,681	0	0	0
381636	*	UNITED TEL MUTUAL	2,280	2,858	5,139	0	0	0
381637	87	W. RIVER MUTUAL AID	5,177	6,489	11,665	0	0	0
391643	87	CONTEL OF S. DAKOTA	4,508	5,645	10,153	148	336	484
391645	*		1,370	1,718	3,088	0	0	0
391647	87	CHEYENNE RIVER SIOUX	1,041	1,305	2,346	0	0	0
391659	87	GOLDEN WEST TELECOMM	7,720	9,664	17,384	0	0	0
391666	87	JEFFERSON TEL CO -SD	567	710	1,277	0	0	0
391667	87	KADOKA TELEPHONE CO	299	374	673	0	0	0
391668	87	KENNEBEC TEL CO	156	195	351	0	0	0
391669	*	MCCOOK COOP TEL CO	336	421	758	0	0	0
391670	*	MIDSTATE TEL COMPANY	1,222	1,534	2,756	1	3	5
391676	*	SANBORN TEL COOP	993	1,244	2,236	1	3	4
391680	*	SULLY BUTTES TEL	2,197	2,755	4,953	1	2	2
391689	87	WEST RIVER COOP	1,008	1,264	2,272	0	0	0
401691	87	ALLTEL ARKANSAS INC	38,149	47,845	85,994	61	154	215
401692	87	ARKANSAS TEL CO	3,231	4,053	7,284	0	0	0
401697	87	CENTRAL ARKANSAS TEL	997	1,247	2,244	18	44	63

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
401698	87	CLEVELAND COUNTY TEL	804	1,007	1,811	0	0	0
401699	87	DECATUR TEL CO INC	586	733	1,319	0	0	0
401702	87	SOUTH ARKANSAS TEL	1,155	1,452	2,607	0	0	0
401705	+	LIBERTY TEL & COMM	6,496	8,133	14,629	6	14	20
401709	87	MADISON COUNTY TEL	1,397	1,751	3,148	0	0	0
401711	+	MOUNTAIN HOME TEL	12,241	15,381	27,621	96	218	314
401713	87	NORTH ARKANSAS TEL	3,563	4,465	8,028	0	0	0
401720	+	REDFIELD TEL CO	606	758	1,365	0	1	2
401722	*	E RITTER TEL CO	2,942	3,687	6,630	0	0	0
401724	*	SW ARKANSAS TEL COOP	2,994	3,746	6,741	45	99	144
401726	87	TRI-COUNTY TEL CO-AR	2,288	2,861	5,149	104	247	350
401727	+	UNION TEL CO INC	842	1,055	1,896	0	0	0
401729	87	WALNUT HILL TEL CO	2,809	3,518	6,328	0	0	0
401730	87	CONTEL OF ARKANSAS	39,993	50,239	90,232	234	526	760
401733	87	YELCOT TEL CO INC	1,986	2,488	4,473	0	0	0
401734	87	YELL COUNTY TEL CO	1,690	2,116	3,806	44	101	145
411741	87	ASSARIA TEL EXCHANGE	157	196	353	0	0	0
411746	87	BLUE VALLEY TEL CO	1,150	1,442	2,592	0	0	0
411761	87	CUNNINGHAM TEL CO	546	684	1,230	0	0	0
411764	87	ELKHART TEL CO INC	1,480	1,856	3,336	0	0	0
411777	*	GOLDEN BELT TEL ASSN	1,566	1,961	3,528	0	0	0
411780	*	HAVILAND TEL CO	1,435	1,798	3,233	0	0	0
411781	87	H & B COMMUNICATIONS	481	603	1,085	0	0	0
411782	87	HOME TEL CO	606	760	1,365	0	0	0
411785	87	J. B. N. TEL CO INC	1,256	1,572	2,827	0	0	0
411788	87	KANOKLA TEL ASSN-KS	1,218	1,524	2,742	0	0	0
411789	87	KANSAS STATE TEL CO	5,675	7,116	12,792	0	0	0
411790	87	CONTEL OF KANSAS	24,320	30,497	54,817	34	67	101
411801	87	MADISON TEL CO INC	379	476	855	0	0	0
411807	87	MOKAN DIAL INC-KS	1,179	1,477	2,656	0	0	0
411808	87	MOUNDRIDGE TEL CO	881	1,102	1,984	0	0	0
411814	87	PEOPLES MUTUAL TEL	767	959	1,726	0	0	0
411818	87	CRAW-KAN TEL COOP	6,368	7,976	14,345	0	0	0
411820	*	RAINBOW TEL COOP	847	1,060	1,907	0	0	0
411826	87	RURAL TEL SERVICE CO	2,551	3,194	5,745	0	0	0
411827	87	S & T TEL COOP ASSN	915	1,145	2,061	0	0	0
411829	*	S & A TEL CO INC	305	382	687	0	0	0
411831	87	S. CENTRAL TEL - KS	444	557	1,000	0	0	0
411833	*	SOUTHERN KANSAS TEL	1,526	1,911	3,437	0	0	0
411835	87	SUNFLOWER TEL CO	2,270	2,843	5,113	0	0	0
411839	*	TRI-COUNTY TEL ASSN	1,266	1,587	2,853	0	0	0
411840	87	TWIN VALLEY TEL INC	801	1,004	1,805	0	0	0
411841	87	UNITED TEL ASSN	2,693	3,376	6,069	0	0	0
411845	*	WAMEGO TEL CO INC	1,751	2,194	3,945	0	0	0
411847	*	THE WHEAT STATE TEL	784	982	1,766	0	0	0

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
411849	87	WILSON TEL CO INC	692	866	1,558	0	0	0
411852	87	ZENDA TEL COMPANY	78	97	175	0	0	0
412030	87	TOTAH TELEPHONE CO	832	1,042	1,874	0	0	0
421807	87	MOKAN DIAL INC-MO	379	474	853	0	0	0
421846	87	CONTINENTAL SYS. -MO	20,781	26,038	46,819	118	231	349
421859	87	BOURBEUSE TEL	506	635	1,141	4	7	11
421865	87	CITIZENS TEL CO - MO	1,304	1,632	2,936	0	0	0
421873	87	EASTERN MISSOURI TEL	792	992	1,785	0	0	0
421882	87	FIDELITY TEL CO	3,474	4,354	7,828	28	52	79
421885	87	ALLTEL MISSOURI	11,041	13,840	24,881	1	2	2
421886	87	GOODMAN TEL CO	1,001	1,253	2,254	0	0	0
421888	87	GRAND RIVER MUT-MO	5,402	6,764	12,167	0	0	0
421901	87	KINGDOM TELEPHONE CO	1,464	1,833	3,297	0	0	0
421904	87	MISSOURI TEL CO	6,550	8,219	14,769	0	0	0
421908	87	LE-RU TELEPHONE CO	845	1,061	1,906	0	0	0
421917	*	MID-MISSOURI TEL CO	1,082	1,356	2,438	0	0	0
421920	*	MILLER TEL CO - MO	358	448	806	0	0	0
421922	87	CONTEL OF MISSOURI	83,144	104,214	187,357	243	558	801
421929	+	HOLWAY TEL CO	229	288	518	0	0	0
421931	*	NE MISSOURI RURAL	1,693	2,120	3,813	0	0	0
421932	87	LATHROP TEL COMPANY	474	596	1,070	8	17	25
421934	87	ORCHARD FARM TEL CO	194	244	438	0	0	0
421945	*	SENECA TEL CO	1,502	1,881	3,383	0	0	0
421951	87	STOUTLAND TEL CO	402	504	907	0	0	0
421963	87	WEBSTER COUNTY TEL	1,865	2,336	4,200	24	50	74
421964	*	WHEELING TEL CO	131	164	295	0	0	0
431788	87	KANOKLA TEL ASSN-OK	820	1,025	1,845	0	0	0
431831	87	S. CENTRAL TEL - OK	279	349	628	0	0	0
431965	87	ALLTEL OKLAHOMA INC	5,619	7,049	12,668	0	0	0
431974	87	CANADIAN VALLEY TEL	305	382	688	0	0	0
431976	87	CARNEGIE TEL CO INC	578	723	1,302	0	0	0
431977	*	CENTRAL OKLAHOMA TEL	888	1,112	2,000	0	0	0
431979	87	CHEROKEE TEL CO	3,111	3,891	7,001	0	0	0
431980	87	CHICKASAW TEL CO	2,694	3,373	6,067	0	0	0
431981	87	CHOUTEAU TEL CO	916	1,147	2,062	0	0	0
431984	87	OKLAHOMA COMM SYSTEM	5,560	6,965	12,524	107	200	307
431985	87	CROSS TEL CO	3,486	4,367	7,853	0	0	0
431988	87	DOBSON TEL CO	2,032	2,547	4,579	0	0	0
431994	87	GRAND TEL CO INC	699	879	1,578	0	0	0
431995	87	HINTON TEL CO	1,040	1,307	2,347	66	137	203
432006	87	MCCLOUD TEL CO	2,631	3,296	5,927	0	0	0
432010	87	MID-AMERICA TEL INC	823	1,035	1,858	0	0	0
432011	87	OKLAHOMA ALLTEL, INC	7,758	9,730	17,488	9	23	32
432013	87	OKLAHOMA TEL & TEL	687	859	1,546	0	0	0
432014	87	OKLAHOMA WESTERN TEL	1,168	1,463	2,631	0	0	0

TABLE 4.10

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
432016	87	PANHANDLE TEL COOP	5,223	6,554	11,777	9	22	30
432018	87	PIONEER TEL COOP INC	14,283	17,906	32,190	161	323	484
432020	87	POTTAWATOMIE TEL CO	731	916	1,646	0	0	0
432030	87	TOTAH TELEPHONE CO	1,165	1,459	2,624	0	0	0
432032	87	VALLIANT TEL CO	1,279	1,601	2,880	0	0	0
432034	*	WYANDOTTE TEL CO	425	532	957	0	0	0
432141	*	SANTA ROSA TEL COOP	407	511	918	0	0	0
440425	87	CAMERON TEL CO TEXAS	216	270	486	0	0	0
442039	87	BIG BEND TEL CO INC	1,077	1,350	2,427	0	0	0
442040	87	BRAZORIA TEL CO	1,116	1,398	2,514	0	0	0
442041	87	BRAZOS TEL COOP INC	218	273	491	0	0	0
442046	87	CAP ROCK TEL CO INC	445	556	1,002	0	0	0
442052	87	CENTRAL TEXAS CO-OP	670	838	1,508	0	0	0
442057	*	COLEMAN COUNTY CO-OP	355	445	800	0	0	0
442059	87	COLORADO VALLEY TEL	1,057	1,325	2,382	284	606	889
442060	*	COMANCHE COUNTY TEL	858	1,075	1,933	0	0	0
442066	87	DELL TEL. CO-OP - TX	401	502	903	0	0	0
442068	87	EASTEX TEL COOP INC	6,006	7,527	13,533	0	0	0
442070	87	ETEX TEL COOP INC	2,467	3,093	5,561	0	0	0
442071	87	FIVE AREA TEL CO-OP	599	752	1,351	0	0	0
442072	87	FORT BEND TEL CO	4,677	5,849	10,527	0	0	0
442076	87	GANADO TELEPHONE CO	181	227	409	0	0	0
442083	87	GUADALUPE VALLEY TEL	5,432	6,800	12,232	0	0	0
442086	87	HILL COUNTRY CO-OP	2,417	3,029	5,446	29	71	100
442093	87	INDUSTRY TEL CO	218	273	490	3	7	10
442097	87	KERRVILLE TEL CO	5,393	6,754	12,147	252	622	874
442101	87	LAKE DALLAS TEL CO	2,651	3,324	5,975	0	0	0
442103	87	LA WARD TEL EXCHANGE	152	190	342	0	0	0
442104	*	LAKE LIVINGSTON TEL	179	224	403	0	0	0
442109	87	LUFKIN-CONROE TEL EX	21,542	27,010	48,553	1,374	3,182	4,556
442112	87	MID-PLAINS RURAL TEL	688	863	1,552	0	0	0
442116	87	MUENSTER TEL CORP-TX	512	641	1,153	0	0	0
442117	+	MUSTANG TEL CO	1,155	1,446	2,601	17	39	55
442121	87	ALLTEL TEXAS INC	886	1,112	1,998	1	2	3
442129	87	PEEPLS TELEPHONE CO	163	204	367	2	3	5
442130	87	PEOPLES TEL COOP -TX	1,584	1,984	3,569	0	0	0
442131	87	PCKA-LAMBRO RURAL	736	923	1,659	0	0	0
442134	87	RIVIERA TEL CO INC	242	303	544	0	0	0
442135	87	SOUTHWEST TEXAS TEL	474	594	1,068	0	0	0
442136	87	ROMAIN TELEPHONE CO	398	496	893	0	0	0
442141	*	SANTA ROSA TEL COOP	326	408	734	0	0	0
442143	*	SOUTH PLAINS TEL	967	1,212	2,179	24	50	73
442147	87	SUGAR LAND TEL CO	17,647	22,136	39,783	903	1,768	2,671
442148	87	SWEENVY-OLD OCEAN	713	893	1,606	12	24	35
442151	87	TAYLOR TEL CO-OP INC	1,086	1,361	2,447	35	77	113

TABLE 4.10

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
442153	87	TEXAS-MIDLAND TEL	2,993	3,754	6,748	0	0	0
442155	87	TRI-COUNTY TEL - TX	119	150	269	0	0	0
442156	87	TRINITY VALLEY TEL	1,362	1,708	3,070	20	44	63
442159	87	VALLEY TEL CO-OP -TX	962	1,206	2,168	0	0	0
442160	87	VALLEY VIEW TEL CO	339	426	765	0	0	0
442163	87	WATERWOOD COMM INC	101	127	229	0	0	0
442166	87	WEST TEXAS RURAL TEL	987	1,236	2,223	0	0	0
442168	87	WES-TEX TEL CO-OP	676	847	1,523	0	0	0
442170	87	XIT RURAL TEL CO-OP	813	1,019	1,832	0	0	0
442262	87	ENMR TEL COOP-TX	353	443	797	0	0	0
452171	87	ARIZONA TELEPHONE CO	1,132	1,418	2,550	0	0	0
452172	87	CITIZENS UTILITIES	47,233	59,202	106,436	612	1,374	1,986
452175	87	UNIVERSAL TEL OF SW	524	656	1,180	0	0	0
452176	*	VALLEY TEL COOP-AZ	1,241	1,552	2,793	0	0	0
452177	87	CONTEL OF WEST-AZ	14,593	18,291	32,884	348	803	1,151
452275	87	NAVAJO COMMUN-AZ	8,355	10,485	18,841	0	0	0
452302	87	CONTEL CALIF - AZ	5,557	5,566	11,123	0	23	23
461835	87	SUNFLOWER TEL - CO	280	350	631	0	0	0
462181	87	BIJOU TEL COOP ASSOC	440	550	990	0	0	0
462182	87	BLANCA TEL CO	360	450	810	0	0	0
462184	87	DELTA COUNTY TEL CO	3,430	4,300	7,730	45	113	157
462185	87	EAGLE TELECOMMUN INC	3,782	4,735	8,517	142	316	458
462186	87	EASTERN SLOPE RURAL	2,027	2,538	4,565	0	0	0
462187	87	EL PASO COUNTY TEL	1,196	1,500	2,695	0	0	0
462188	87	FARMERS TEL CO - CO	234	292	526	0	0	0
462190	87	HAXTUN TEL CO	641	802	1,443	0	0	0
462192	87	BIG SANDY TELCOMM	340	425	765	0	0	0
462193	87	NUCLA-NATURITA TEL	1,154	1,441	2,595	0	0	0
462194	87	NUNN TEL CO	138	173	312	0	0	0
462196	87	PEETZ COOP TEL CO	174	218	393	0	0	0
462197	*	PHILLIPS COUNTY TEL	1,085	1,359	2,444	0	0	0
462199	87	PLAINS COOP TEL ASSN	716	897	1,613	0	0	0
462203	87	RYE TELEPHONE CO	919	1,152	2,071	79	211	290
462204	87	COLUMBINE TEL CO	392	491	883	0	0	0
462207	87	STRASBURG TEL CO	476	596	1,072	0	0	0
462208	87	UNIVERSAL TEL CO -CO	3,405	4,260	7,664	0	0	0
462209	87	WIGGINS TEL ASSOC	559	700	1,259	0	0	0
472177	87	CONTEL OF WEST-ID	7,656	9,593	17,249	10	24	34
472213	87	ALBION TEL CO INC	754	945	1,698	0	0	0
472215	87	CAMBRIDGE TEL CO	463	580	1,043	0	0	0
472218	87	CUSTER TEL COOP	1,316	1,650	2,966	0	0	0
472223	87	GEM STATE UTIL-ID	633	794	1,427	7	17	24
472225	+	CENTURY TEL OF IDAHO	2,420	3,033	5,453	1	4	5
472226	87	MIDVALE TEL EXCH INC	155	194	350	0	0	0
472231	87	PROJECT MUTUAL TEL	3,384	4,241	7,625	0	0	0

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
472232	87	ROCKLAND TEL CO INC	170	212	382	0	0	0
472233	*	RURAL TEL CO - ID	79	99	178	0	0	0
472234	87	TROY TELEPHONE CO	510	639	1,149	0	0	0
472295	87	SILVER STAT TEL- ID	179	225	404	0	0	0
472423	87	INLAND TEL-ID	212	266	478	0	0	0
482235	87	BLACKFOOT TEL COOP	3,602	4,510	8,112	1	3	4
482242	87	INTERBEL TEL COOP	744	931	1,675	0	0	0
482244	87	LINCOLN TEL CO INC	372	466	837	0	0	0
482246	87	MID-RIVERS TEL COOP	3,396	4,246	7,641	0	0	0
482247	87	NEMONT TEL COOP-MT	1,502	1,882	3,384	0	0	0
482248	87	NORTHERN TEL COOP	1,066	1,336	2,402	0	0	0
482249	87	NW TEL SYSTEMS, INC.	30,599	38,306	68,904	1,723	3,999	5,722
482250	87	PROJECT TEL CO	1,661	2,082	3,743	0	0	0
482251	87	RANGE TEL COOP-MT	2,069	2,591	4,661	0	0	0
482254	87	SOUTHERN MONTANA TEL	547	685	1,232	0	0	0
482255	87	3-RIVERS TEL COOP	4,432	5,550	9,982	0	0	0
482257	87	TRIANGLE TEL COOP	4,204	5,268	9,473	0	0	0
482258	87	VALLEY RURAL TEL	337	422	760	0	0	0
492066	87	DELL TEL CO-OP - NM	181	227	409	0	0	0
492176	*	VALLEY TEL COOP - NM	994	1,242	2,236	0	0	0
492177	87	CONTEL OF WEST - NM	16,216	20,323	36,539	72	183	255
492259	87	BACA VALLEY TEL CO	448	561	1,010	0	0	0
492262	87	ENMR TEL COOP INC-NM	6,327	7,924	14,251	0	0	0
492263	87	LA JICARITA RURAL	714	894	1,608	0	0	0
492264	*	LEACO RURAL TEL COOP	574	717	1,291	0	0	0
492268	87	WESTERN NEW MEXICO	3,039	3,809	6,848	0	0	0
492270	87	PENASCO VALLEY TEL	716	900	1,617	0	0	0
492272	87	ROOSEVELT CNTY RURAL	1,195	1,495	2,690	0	0	0
492274	87	UNIVERSAL TEL OF SW	2,367	2,962	5,329	0	0	0
492275	87	NAVAJO COMMUN - NM	3,059	3,840	6,899	0	0	0
502177	87	CONTEL THE WEST - UT	11,217	14,062	25,279	30	78	109
502275	87	NAVAJO COMMUN - UT	462	579	1,040	0	0	0
502277	87	CENTRAL UTAH TEL INC	279	350	629	0	0	0
502278	*	EMERY COUNTY FARMERS	1,100	1,379	2,479	0	0	0
502280	87	KAMAS-WOODLAND TEL	570	714	1,284	0	0	0
502283	*	SKYLINE TELECOM	167	209	377	0	0	0
502286	87	SOUTH CENTRAL UTAH	1,564	1,951	3,515	0	0	0
502287	87	UINTAH BASIN TEL	1,124	1,407	2,531	0	0	0
502288	87	UT-WY TELECOM	325	407	732	0	0	0
512251	87	RANGE TEL COOP - WY	1,213	1,518	2,731	0	0	0
512290	87	UTAH-WYOMING TELECOM	300	376	677	0	0	0
512291	87	DUBOIS TEL EXCHANGE	1,316	1,648	2,964	0	0	0
512294	87	MEDICINE BOW TEL CO	148	186	334	0	0	0
512295	87	SILVER STAR TEL-WY	947	1,184	2,130	0	0	0
512297	87	UNION TELEPHONE CO	3,640	4,561	8,201	0	0	0

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
512299	87	WYOMING TEL CO INC	2,368	2,966	5,335	18	44	62
522404	87	ASOTIN TEL - WA	514	646	1,160	0	0	0
522408	87	TEL UTIL OF WA INC	46,733	58,550	105,282	1,943	4,713	6,656
522410	87	COWICHE TELEPHONE CO	587	736	1,323	0	0	0
522412	87	ELLENSBURG TEL CO	7,579	9,505	17,085	62	137	200
522417	87	HAT ISLAND TEL CO	4	5	9	0	0	0
522419	87	HOOD CANAL TEL CO	335	419	754	0	0	0
522423	87	INLAND TEL CO -WA	652	818	1,470	0	0	0
522426	87	KALAMA TEL CO	1,270	1,592	2,863	1	3	4
522427	87	LEWIS RIVER TEL CO	2,025	2,534	4,560	2	5	7
522431	87	MASHELL TEL CO INC	709	889	1,597	0	0	0
522436	87	PENINSULA TELECOMM	2,550	3,184	5,734	100	251	351
522437	87	PIONEER TEL CO	393	491	884	0	0	0
522442	87	ST JOHN TEL CO	245	307	552	0	0	0
522446	87	TENINO TELEPHONE CO	957	1,201	2,158	0	0	0
522447	87	TOLEDO TELEPHONE CO	851	1,066	1,917	0	0	0
522449	87	CONTEL OF THE NW-WA	26,587	33,319	59,906	652	1,493	2,145
522451	87	WESTERN WAHKLAKUM	559	701	1,260	0	0	0
522452	87	WHIDBEY TEL CO.	2,814	3,531	6,344	6	15	22
522453	87	YELM TELEPHONE CO	2,639	3,303	5,943	0	0	0
532226	87	MIDVALE TEL EXCH -OR	152	191	343	0	0	0
532304	87	C P NATIONAL CORP-OR	6,966	8,735	15,701	0	0	0
532359	87	BEAVER CREEK COOP	2,014	2,521	4,535	0	0	0
532361	87	TEL UTIL OF OREGON	23,791	29,808	53,599	1,199	2,965	4,164
532362	87	CANBY TEL ASSN	4,525	5,665	10,190	0	0	0
532363	87	CLEAR CREEK MUTUAL	1,751	2,194	3,944	0	0	0
532364	87	COLTON TEL CO	508	637	1,145	0	0	0
532371	87	CASCADE UTIL INC	4,227	5,296	9,522	8	20	28
532375	87	RTI/HALSEY TEL CO	523	655	1,179	0	0	0
532376	87	HELIIX TEL CO.	104	130	234	0	0	0
532377	87	HOME TELEPHONE CO	239	300	539	0	0	0
532378	87	TRANS-CASCADES TEL	78	97	175	0	0	0
532383	87	MOLALLA TEL CO.	2,675	3,350	6,025	0	0	0
532385	87	MONROE TELEPHONE CO.	345	432	776	0	0	0
532387	87	NEHALEM TEL & TEL	786	984	1,770	0	0	1
532388	87	NORTH STATE TEL CO.	249	311	560	0	0	0
532389	87	OREGON TEL CORP	875	1,096	1,971	0	0	0
532392	87	PINE TEL SYSTEM INC.	473	592	1,065	0	0	0
532393	87	PIONEER TEL COOP	5,429	6,801	12,230	4	11	15
532397	87	SCIO MUTUAL TEL ASSN	789	989	1,779	2	4	6
532399	*	STAYTON COOP TEL CO	2,618	3,281	5,899	7	18	25
532404	87	ASOTIN TEL - OR	74	93	167	0	0	0
532449	87	CONTEL OF THE NW- OR	11,310	14,174	25,484	16	43	60
532456	87	MALHEUR HOME TEL CO	9,081	11,376	20,458	290	641	930
542301	87	CALAVERAS TEL CO	366	460	826	0	0	0

TABLE 4.10

1987 NONTIER 1 NETWORK USAGE DATA
MINUTES OF USE (IN THOUSANDS)

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FCODE	YEAR	CARRIER	ORIG PREM	TERM PREM	TOT PREM	ORIG NP	TERM NP	TOT NP
542304	87	C P NATIONAL CORP-CA	4,009	5,027	9,036	0	0	0
542306	*		145	182	326	0	0	0
542308	87	CITIZENS UTIL OF CA	20,712	25,958	46,669	48	121	169
542311	87	CALIF-OREGON TEL CO	1,438	1,803	3,242	0	0	0
542313	87	DUCOR TELEPHONE CO	150	188	339	0	0	0
542315	87	EVANS TEL CO.	2,004	2,512	4,516	0	0	0
542318	*	FORESTHILL TEL CO.	464	581	1,045	0	0	0
542321	*	HAPPY VALLEY TEL CO	982	1,230	2,212	0	0	0
542322	*	HORNITOS TEL CO	315	395	711	0	0	0
542324	87	KERMAN TELEPHONE CO	1,169	1,466	2,635	8	21	30
542332	87	THE PONDEROSA TEL CO	1,309	1,643	2,952	0	0	0
542334	87	ROSEVILLE TEL CO	24,322	30,494	54,816	1,509	3,519	5,028
542338	*	SIERRA TELEPHONE CO	4,127	5,171	9,298	37	90	126
542339	87	THE SISKIYOU TEL CO	2,129	2,685	4,814	3	7	10
542342	87	TUOLUMNE TEL CO	1,234	1,549	2,783	0	0	0
542343	87	THE VOLCANO TEL CO	1,981	2,485	4,467	13	31	43
542346	+	PINNACLES TEL CO	43	55	98	0	0	0
552223	87	GEM STATE UTIL-NV	286	359	645	0	0	0
552233	*	RURAL TEL CO - NV	143	179	322	0	0	0
552302	87	CONTEL OF CALIF-NV	23,677	26,962	50,639	4,625	1,971	6,596
552304	87	CP NATIONAL-NV	9,716	12,182	21,898	0	0	0
552349	87	CHURCHILL COUNTY TEL	7,801	9,792	17,593	0	0	0
552351	87	LINCOLN CTY TEL SYS	1,197	1,502	2,699	4	8	11
552353	87	MOAPA VALLEY TEL CO.	1,589	1,992	3,581	0	0	0
552354	87	NEVADA TEL-TELEGRAPH	3,659	4,586	8,245	0	0	0
552356	87	RIO VIRGIN TEL CO	904	1,133	2,037	5	14	19
613000	87	ANCHORAGE TEL UTIL	96,818	121,476	218,294	11,690	24,914	36,604
613001	87	ARCTIC SLOPE TEL	1,871	2,350	4,221	0	0	0
613003	87	BRISTOL BAY TEL COOP	611	746	1,357	0	0	0
613004	87	BUSH-TELL INC.	143	179	322	0	0	0
613006	87	COPPER VALLEY TEL	2,002	2,505	4,506	0	0	0
613007	87	CORDOVA TEL COOP	1,217	1,522	2,739	0	0	0
613008	*	FAIRBANKS MUNICIPAL	19,846	24,878	44,724	0	0	0
613009	87	GTE ALASKA INC.	8,568	10,721	19,289	0	0	0
613010	87	GLACIER STATE TEL CO	44,823	56,216	101,039	1,611	3,473	5,084
613011	87	INTERIOR TEL CO INC	2,185	2,733	4,918	0	0	0
613012	87	JUNEAU & DOUGLAS TEL	22,212	27,888	50,100	2,627	6,024	8,650
613013	*	KETCHIKAN PUBLIC UT	6,444	8,054	14,498	0	0	0
613015	87	MATANUSKA TEL ASSOC	20,213	25,278	45,492	2,775	5,982	8,757
613016	87	MUKLUK TEL CO INC	365	459	823	0	0	0
613018	87	NUSHAGAK TEL COOP	739	922	1,661	0	0	0
613019	87	OTZ TEL COOPERATIVE	652	818	1,470	0	0	0
613020	87	SITKA TELEPHONE CO	13,017	16,305	29,322	0	0	0
613022	87	TEL UTIL OF ALASKA	4,840	6,076	10,916	437	1,004	1,441
613023	*	UNITED UTILITIES INC	837	1,052	1,889	0	0	0
613025	87	YUKON TEL CO INC	157	196	352	0	0	0
633200	*	PUERTO RICO COMM	33,269	41,657	74,926	0	0	0
643300	87	VIRGIN ISLANDS TEL	55,725	69,863	125,588	701	1,563	2,263

+ - COMPANIES WHO SUBMITTED 1986 DATA RATHER THAN 1987 DATA

* - COMPANIES FOR WHOM NECA COMPUTED DATA

TABLE 4.11

LOCAL SUBSCRIBER LINE USAGE MINUTES,
BY COMPANY (IN 000'S)

PAGE 1

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	4,513,528	4,642,356	4,771,184	4,882,278	5,002,057	4,792,715	4,952,286	5,180,211
NEW ENGLAND TEL-MA	38,574,742	39,716,541	40,858,339	41,506,206	43,380,280	43,612,379	43,012,985	43,737,037
NEW ENGLAND TEL-NH	4,118,325	4,249,991	4,381,658	4,489,644	4,910,858	4,976,892	5,020,098	5,175,441
SOUTHERN NEW ENGLAND	19,561,769	19,610,582	19,865,915	20,192,605	20,587,843	21,594,733	23,300,306	23,299,009
NEW ENGLAND TEL-VT	1,981,366	2,116,238	2,251,110	2,355,182	2,355,504	2,319,250	2,296,468	2,241,858
CONTEL OF NY, INC	1,494,484	1,586,260	1,624,649	1,672,416	1,720,660	1,763,524	1,816,248	1,641,826
ROCHESTER TEL CORP	0	0	0	0	5,719,806	5,939,486	5,981,000	6,133,394
NEW YORK TEL CO	110,824,494	115,844,691	119,478,434	125,487,260	135,170,650	143,167,334	144,618,735	145,764,728
UNITED TEL - NJ, INC	0	571,372	583,045	602,626	663,416	737,315	678,308	742,274
NEW JERSEY BELL	44,712,272	46,131,631	45,646,398	46,076,798	47,181,128	46,150,813	45,781,592	45,717,784
GTE NORTH INC. - PA	170,843	182,730	201,418	225,167	4,955,785	5,168,627	5,419,644	5,621,626
UTC OF PENNSYLVANIA	2,242,979	2,331,149	2,345,184	2,391,406	2,554,047	2,587,573	2,618,311	2,604,262
BELL OF PENNSYLVANIA	66,682,148	68,624,448	70,476,803	70,438,228	69,276,567	66,363,106	70,331,698	71,045,728
C & P TEL CO OF MD	36,679,689	38,385,402	40,441,811	41,645,800	41,732,435	40,546,858	41,880,385	42,774,836
CONTEL OF VIRGINIA	0	2,251,776	2,375,104	2,468,393	2,843,493	3,057,223	3,256,535	3,463,577
CENTEL OF VIRGINIA	1,945,582	2,020,015	2,160,976	2,209,046	2,145,700	2,325,941	2,363,793	2,376,022
GTE SOUTH INC. - VA	412,819	413,641	456,669	436,727	439,999	546,017	449,467	438,165
UNITED INTER-MT-VA	1,130,721	1,130,762	1,138,486	1,175,083	1,034,421	963,562	970,859	988,220
C & P TEL CO OF VA	29,944,105	30,184,710	31,180,863	32,660,689	33,560,021	34,510,494	35,823,722	37,210,113
GTE SOUTH INC. - WV	699,587	695,095	795,622	783,651	789,880	959,797	784,196	766,423
C & P TEL CO OF WV	10,095,256	10,245,283	10,164,221	10,216,428	10,279,221	10,301,471	10,259,219	10,590,141
GTE FLORIDA INC.	10,845,434	11,199,700	12,658,949	13,515,828	14,291,918	15,544,596	16,479,556	15,811,575
CENTEL OF FLORIDA	1,648,642	1,794,326	1,824,101	1,959,810	2,132,983	2,212,019	2,475,106	2,670,957
UTC OF FLORIDA	0	5,339,613	5,784,159	5,961,057	6,527,727	6,980,705	7,581,921	8,121,466
SOUTHERN BELL-FL	43,352,390	44,564,977	46,656,950	49,277,897	50,981,248	52,305,309	52,769,241	55,212,151
GTE SOUTH INC. - GA	1,834,390	2,014,531	2,092,251	2,167,173	2,168,934	2,744,583	2,349,948	2,373,516
SOUTHERN BELL-GA	36,244,370	36,938,993	36,956,261	39,128,107	41,879,083	43,161,141	43,956,605	45,029,727
CAROLINA TEL & TEL	7,388,362	7,445,685	7,764,256	8,023,080	8,571,746	8,814,110	8,988,269	9,237,720
CENTEL OF NC	1,898,366	1,956,614	2,035,657	2,115,755	2,184,700	2,280,917	2,342,276	2,445,714
GTE SOUTH INC - NC	1,274,528	1,397,960	1,497,256	1,570,288	1,680,628	2,176,461	1,657,849	1,655,436
SOUTHERN BELL-NC	19,080,388	19,108,284	19,288,338	19,696,302	21,480,822	22,590,386	23,546,030	22,618,654
GTE SOUTH INC. - SC	1,191,603	1,335,970	1,315,234	1,371,120	1,497,350	1,933,975	1,558,436	1,570,874
UTC OF THE CAROLINAS	690,751	716,262	710,948	753,991	741,018	792,722	828,202	861,978
SOUTHERN BELL-SC	14,855,959	14,769,559	15,085,487	15,396,999	16,448,376	17,245,819	17,718,278	17,205,990
GTE SOUTH INC. - AL	1,078,960	1,244,812	1,345,156	1,347,123	1,391,548	1,754,821	1,414,697	1,439,790
SO CENTRAL BELL-AL	22,105,838	22,581,787	23,138,321	24,106,964	24,632,119	25,155,895	25,966,980	26,771,005
GTE SOUTH INC. - KY	3,025,422	3,775,210	3,803,491	3,901,436	4,088,526	5,449,504	4,270,038	4,182,317
CINCINNATI BELL-KY	2,179,524	2,204,676	2,245,622	2,258,411	2,277,416	2,336,532	2,326,071	2,391,770
SO CENTRAL BELL-KY	14,542,898	14,554,468	14,748,592	14,849,949	15,655,339	15,945,514	15,159,806	15,496,405
SO CENTRAL BELL-LA	29,161,404	30,897,013	32,373,556	32,950,113	32,796,721	32,421,145	31,905,656	31,389,489
SO CENTRAL BELL-MS	12,731,693	12,758,972	13,298,224	13,561,685	13,919,405	14,861,844	14,787,183	15,261,725

TABLE 4.11

LOCAL SUBSCRIBER LINE USAGE MINUTES,
BY COMPANY (IN 000'S)

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	549,278	543,096	559,708	549,240	567,873	726,300	609,730	607,348
UNITED INTER-MT-TN	2,276,145	2,336,028	2,306,390	2,328,409	2,280,291	2,353,250	2,459,811	2,575,775
SO. CENTRAL BELL -TN	29,694,880	29,113,801	29,793,836	30,038,453	31,137,621	32,352,780	33,664,863	34,701,545
GTE NORTH INC. - OH	5,702,847	6,456,432	6,573,991	6,660,339	7,090,769	8,958,897	7,506,384	7,502,607
CENTEL OF OHIO	0	730,097	695,196	704,671	739,714	737,061	719,122	721,592
UTC OF OHIO	4,068,201	4,167,892	4,212,345	4,149,962	4,325,047	4,455,340	4,684,380	4,694,471
CINCINNATI BELL-OH	11,370,809	11,024,703	11,295,717	11,470,662	12,173,295	11,803,633	11,792,093	11,775,709
OHIO BELL TEL CO	50,465,734	49,742,157	50,282,970	52,137,195	54,216,560	53,487,809	50,410,051	50,686,807
GTE NORTH INC. - MI	4,139,113	4,534,839	4,535,512	4,521,694	4,655,649	5,924,288	4,757,796	4,776,359
MICHIGAN BELL TEL CO	56,921,819	56,734,698	56,583,482	57,754,366	58,012,062	57,219,830	58,186,528	59,068,197
GTE NORTH INC. - IN	5,524,422	5,904,932	6,003,543	6,194,043	6,788,529	8,264,047	6,946,289	7,109,629
UTC OF INDIANA	1,266,664	1,322,972	1,392,948	1,365,961	1,450,296	1,433,315	1,481,146	1,510,265
INDIANA BELL TEL CO	22,926,536	22,319,898	23,462,693	23,433,759	23,751,071	23,543,409	23,483,220	23,476,384
GTE NORTH INC. - WI	2,454,307	2,724,603	2,779,897	2,783,071	2,835,514	3,626,017	2,943,002	2,926,291
WISCONSIN BELL	21,560,865	20,694,189	21,152,291	20,937,477	20,961,279	21,486,760	21,678,189	21,117,002
CENTEL OF ILLINOIS	0	2,046,485	2,100,342	2,126,227	2,174,638	2,064,640	2,046,900	2,008,853
GTE NORTH INC. - IL	4,219,992	5,073,945	5,143,785	5,267,921	5,605,055	6,958,488	5,318,964	5,153,578
ILLINOIS BELL TEL CO	70,306,775	72,742,969	72,925,132	73,909,088	78,018,680	80,018,384	79,497,515	78,156,842
GTE NORTH INC. - IA	716,182	766,251	814,837	824,535	884,134	1,044,938	815,589	778,654
UTC OF IOWA	0	473,371	491,913	497,804	485,660	495,232	487,514	483,472
NORTHWESTERN BELL-IA	10,879,248	10,601,789	10,829,114	10,872,073	11,020,391	11,001,119	11,087,957	10,603,761
GTE NORTH INC. - MN	22,498	- 24,117	24,777	24,273	23,521	28,679	21,837	20,502
CENTEL OF MN	597,587	641,863	668,602	720,340	724,767	766,734	787,456	808,239
UTC OF MINNESOTA	0	786,298	822,156	864,230	876,902	960,574	989,473	1,008,390
NORTHWESTERN BELL-MN	21,404,079	21,183,410	22,331,348	23,488,700	24,276,607	24,293,079	24,737,951	24,019,190
GTE NORTH INC. - NE	328,279	331,425	375,787	390,747	397,392	478,328	370,107	359,119
LINCOLN TEL & TEL CO	1,923,116	1,950,750	2,035,625	2,148,287	2,254,255	2,278,543	2,277,149	2,309,274
UTC OF THE WEST-NE	0	225,819	224,670	232,046	212,495	232,220	227,248	235,010
NORTHWESTERN BELL-NE	5,264,608	5,610,156	5,547,723	6,042,953	5,864,145	6,222,227	6,166,858	6,062,108
NORTHWESTERN BELL-ND	2,714,884	2,767,111	2,858,424	2,820,473	2,990,827	2,928,214	2,822,722	2,730,628
NORTHWESTERN BELL-SD	2,400,660	2,377,861	2,457,410	2,408,230	2,542,917	2,611,484	2,606,229	2,480,736
UTC OF ARKANSAS	127,680	127,513	130,174	127,453	131,546	135,053	126,775	124,150
GTE SOUTHWEST INC-AR	593,649	686,709	699,243	647,629	1,530,904	945,072	743,844	701,957
SOUTHWESTERN BELL-AR	8,513,605	8,383,415	8,657,969	9,045,151	9,558,759	9,648,155	9,754,987	9,810,591
UTC OF KANSAS	473,442	471,503	482,806	495,885	489,453	479,740	450,518	454,336
SOUTHWESTERN BELL-KS	12,061,420	11,736,565	11,939,447	12,303,799	12,492,728	13,082,685	13,101,980	12,743,843
GTE NORTH INC. - MO	728,344	797,564	839,013	857,438	895,457	1,135,561	911,085	850,502
UTC OF MISSOURI	1,185,508	1,214,915	1,292,753	1,310,798	1,323,084	1,326,683	1,305,694	1,362,674
SOUTHWESTERN BELL-MO	28,915,911	28,856,561	30,046,802	29,706,300	30,889,140	31,892,613	32,596,184	32,999,818
GTE SOUTHWEST INC-OK	757,827	886,835	952,664	880,043	2,073,079	1,358,901	1,068,402	962,216
SOUTHWESTERN BELL-OK	15,946,633	16,142,576	17,099,619	17,696,832	17,460,114	17,166,135	16,928,804	16,483,273

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	8,560,980	10,093,519	10,406,907	9,874,509	23,056,930	15,179,703	12,281,719	12,107,146
UTC OF TEXAS INC	0	0	721,931	745,401	741,121	740,034	799,971	820,475
CENTEL OF TEXAS	942,070	1,019,121	1,113,886	1,177,923	1,249,872	1,342,890	1,364,354	1,317,095
CONTEL OF TEXAS	844,285	877,137	952,698	999,840	1,081,504	1,118,527	1,172,857	1,232,615
SOUTHWESTERN BELL-TX	80,721,212	85,089,990	92,339,105	95,696,173	97,578,677	102,656,897	104,580,091	101,625,439
MOUNTAIN BELL - AZ	15,584,317	16,545,195	16,676,672	18,078,973	16,803,299	20,610,316	22,182,883	22,823,158
MOUNTAIN BELL-CO	19,549,197	20,670,324	22,270,279	22,065,378	21,630,894	22,788,790	22,840,184	23,120,086
GTE NORTHWEST INC-ID	510,207	545,412	542,521	565,742	594,217	620,685	615,497	638,503
MOUNTAIN BELL-ID	3,388,039	3,488,223	3,565,347	3,518,012	3,456,003	3,498,350	3,468,345	3,406,568
PACIFIC NW BELL-ID	285,227	281,738	276,203	291,942	295,193	297,307	284,526	276,238
GTE NORTHWEST INC-MT	44,747	52,034	50,140	59,469	60,079	61,261	59,629	58,406
MOUNTAIN BELL-MT	2,816,147	2,779,264	2,865,067	2,925,233	2,961,547	2,972,324	3,042,205	2,902,217
GTE SOUTHWEST INC-NM	379,749	459,795	480,225	399,775	859,555	516,598	419,375	410,531
MOUNTAIN BELL-NM	6,053,651	6,291,930	6,360,725	6,582,005	6,800,982	7,057,675	7,407,234	7,569,161
MOUNTAIN BELL-UT	8,757,669	8,813,989	9,271,654	9,657,923	10,204,147	10,051,251	10,221,464	10,123,148
UTC OF THE WEST-WY	0	44,553	44,214	45,390	46,061	44,991	43,188	44,203
MOUNTAIN BELL-WY	2,073,248	2,120,341	2,207,277	2,128,196	1,806,104	2,122,211	2,062,851	1,894,367
UTC OF THE NW-WA	294,917	309,423	319,723	324,011	319,609	334,714	323,425	330,013
GTE NORTHWEST INC-WA	3,665,944	3,916,296	4,014,695	4,172,178	4,409,919	4,768,059	5,169,924	5,549,899
PACIFIC NW BELL-WA	18,951,454	19,399,936	19,393,959	20,371,133	19,978,374	19,842,732	21,168,721	21,452,707
UTC OF THE NW - OR	247,369	257,420	249,103	257,541	268,347	336,365	298,698	330,837
GTE NORTHWEST INC-OR	1,862,754	2,376,559	2,401,625	2,508,705	2,662,537	2,813,972	2,843,639	2,952,710
PACIFIC NW BELL-OR	11,552,476	11,390,309	10,980,334	11,298,052	10,843,215	10,651,496	10,895,482	10,694,863
CONTEL OF CALIFORNIA	1,422,726	1,467,587	1,543,603	1,572,809	1,645,032	1,762,637	1,834,248	1,884,014
GTC OF CALIFORNIA	25,503,496	27,888,290	29,200,875	30,864,953	31,129,279	31,876,281	32,505,061	33,840,949
WEST COAST TEL OF CA	48,161	58,851	60,615	65,347	67,646	66,059	65,634	71,547
PACIFIC BELL	131,319,692	134,695,786	139,028,393	143,332,937	142,506,508	144,801,816	145,424,193	148,611,270
CENTEL OF NV	3,153,809	3,302,441	3,353,181	3,455,307	3,381,496	3,729,753	3,878,229	4,198,919
NEVADA BELL	1,600,926	1,669,716	1,759,310	1,823,919	1,902,635	1,906,815	1,955,837	2,103,433
DIAMOND STATE TEL	4,168,874	4,223,911	4,214,206	4,356,202	4,466,081	4,379,185	4,674,729	5,088,713
C & P TEL CO OF WASH	12,099,221	12,334,768	12,499,005	12,730,915	13,227,518	12,681,613	12,868,235	13,646,847
NEW ENGLAND TEL - RI	6,294,928	6,410,899	6,526,870	6,638,871	6,795,192	6,765,419	6,651,566	6,604,554
GTE HAWAIIAN TEL. CO	0	0	6,773,812	6,645,671	6,972,899	7,956,394	7,832,733	7,800,755
PUERTO RICO TEL CO	0	0	0	0	6,598,741	6,470,572	7,186,926	7,574,335
AVERAGE SCHEDULE CO.	0	0	0	0	14,408,400	15,917,800	13,945,500	19,595,300
ALL OTHER COST CO.	0	0	0	0	39,982,200	44,208,900	46,759,800	46,395,848

- Beginning in June 1896 outward WATS minutes are excluded

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NEW ENGLAND TEL-ME	607,294	640,919	674,544	730,642	797,002	916,369	837,759	923,892
NEW ENGLAND TEL-MA	3,830,989	4,006,967	4,182,945	4,512,816	5,138,012	5,932,039	5,667,562	6,886,310
NEW ENGLAND TEL-NH	468,650	508,558	548,466	611,076	686,512	787,636	834,400	951,588
SOUTHERN NEW ENGLAND	2,724,526	2,999,343	3,206,921	3,358,670	3,545,738	3,308,031	3,641,306	4,069,445
NEW ENGLAND TEL-VT	273,190	284,721	296,252	314,739	341,399	356,835	364,365	386,147
CONTEL OF NY, INC	377,385	421,488	452,299	488,871	556,546	633,222	695,176	653,583
ROCHESTER TEL CORP	0	0	0	0	533,287	569,251	617,081	653,684
NEW YORK TEL CO	4,898,171	5,203,614	5,555,248	6,134,272	6,057,379	6,410,530	6,961,805	7,776,702
UNITED TEL - NJ, INC	0	353,069	378,442	409,631	458,504	572,130	658,029	719,261
NEW JERSEY BELL	10,198,317	10,645,082	11,339,543	12,360,792	14,212,360	15,233,542	16,319,222	18,752,280
GTE NORTH INC. - PA	26,594	30,840	34,952	37,183	570,896	665,316	663,701	718,724
UTC OF PENNSYLVANIA	423,916	449,207	464,354	493,686	585,990	620,050	664,469	729,037
BELL OF PENNSYLVANIA	4,590,819	4,932,229	5,231,560	5,526,149	7,119,121	8,160,739	7,149,100	8,140,128
C & P TEL CO OF MD	1,127,149	1,196,776	1,254,382	1,305,138	1,382,713	1,499,494	1,671,253	2,275,567
CONTEL OF VIRGINIA	0	426,992	465,696	486,539	570,013	771,324	783,720	990,685
CENTEL OF VIRGINIA	246,518	274,436	292,372	307,626	324,092	344,919	351,783	397,274
GTE SOUTH INC. - VA	34,433	37,654	40,889	39,275	43,158	62,149	50,841	54,610
UNITED INTER-MT-VA	78,558	83,772	86,866	87,095	96,381	107,795	113,044	117,131
C & P TEL CO OF VA	1,613,569	1,700,032	1,776,348	1,845,552	2,086,219	2,513,617	2,543,780	2,852,975
GTE SOUTH INC. - WV	67,901	71,784	79,202	80,174	88,230	127,416	102,884	109,032
C & P TEL CO OF WV	749,251	787,193	807,210	791,140	877,297	1,017,983	946,924	958,976
GTE FLORIDA INC.	1,037,794	1,149,098	1,334,326	1,412,807	1,809,552	2,060,361	2,279,784	2,476,706
CENTEL OF FLORIDA	185,456	215,137	237,052	251,056	298,412	346,926	438,047	447,995
UTC OF FLORIDA	0	751,426	848,952	993,365	1,104,224	1,249,145	1,259,669	1,365,265
SOUTHERN BELL-FL	2,857,060	3,167,895	3,473,021	3,736,202	4,649,616	5,602,306	6,595,867	5,574,278
GTE SOUTH INC. - GA	237,257	277,189	288,519	307,923	338,905	478,942	418,412	452,317
SOUTHERN BELL-GA	1,790,787	1,895,709	1,993,247	2,028,691	2,384,695	2,819,987	2,929,351	2,622,029
CAROLINA TEL & TEL	877,130	912,589	950,173	1,032,740	1,152,484	1,309,918	1,342,599	1,376,834
CENTEL OF NC	241,756	260,170	265,055	287,621	306,749	340,575	374,479	379,596
GTE SOUTH INC - NC	134,835	151,180	158,557	170,682	194,007	289,678	247,957	268,984
SOUTHERN BELL-NC	1,631,957	1,766,216	1,870,619	1,973,481	2,261,485	2,558,799	2,928,585	2,283,940
GTE SOUTH INC. - SC	131,986	148,004	151,952	160,797	176,000	265,342	227,313	244,073
UTC OF THE CAROLINAS	65,308	68,745	69,845	73,954	88,636	100,162	105,172	113,117
SOUTHERN BELL-SC	781,931	837,886	846,256	867,709	1,020,387	1,196,751	1,268,895	1,157,045
GTE SOUTH INC. - AL	120,895	141,721	150,132	159,358	180,768	227,766	190,250	206,939
SO CENTRAL BELL-AL	1,094,713	1,154,624	1,213,248	1,252,592	1,407,179	1,585,168	1,726,167	1,512,401
GTE SOUTH INC. - KY	258,724	325,753	335,796	346,243	377,908	536,942	450,359	520,113
CINCINNATI BELL-KY	43,462	42,207	47,919	55,067	59,449	74,917	75,169	82,531
SO CENTRAL BELL-KY	774,937	800,594	805,033	825,109	933,758	1,002,817	1,080,111	1,022,316
SO CENTRAL BELL-LA	1,850,887	2,079,686	2,232,794	2,236,463	2,639,507	2,829,103	2,658,641	2,239,455
SO CENTRAL BELL-MS	949,237	982,022	1,025,662	1,080,952	1,232,735	1,362,307	1,416,954	1,372,970

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	50,261	53,703	62,854	66,205	73,502	108,105	84,697	90,888
UNITED INTER-MT-TN	143,628	148,104	154,934	164,510	204,429	231,247	259,818	285,123
SO. CENTRAL BELL -TN	1,325,110	1,429,352	1,510,456	1,567,055	1,852,225	2,119,042	2,291,955	2,142,974
GTE NORTH INC. - OH	945,055	1,079,391	1,131,981	1,139,440	1,185,958	1,582,673	1,344,470	1,505,610
CENTEL OF OHIO	0	86,675	88,927	87,031	88,217	108,025	129,969	162,202
UTC OF OHIO	699,889	750,319	791,471	821,221	849,589	913,584	893,080	989,704
CINCINNATI BELL-OH	277,712	293,672	329,866	349,035	355,594	466,683	483,162	542,425
OHIO BELL TEL CO	2,942,625	2,958,658	3,022,524	3,076,803	3,625,302	4,176,103	4,394,279	4,677,773
GTE NORTH INC. - MI	992,701	1,091,438	1,122,866	1,148,109	1,209,228	1,644,981	1,409,096	1,466,529
MICHIGAN BELL TEL CO	5,278,248	5,542,826	5,618,418	5,866,891	7,167,906	8,790,932	9,317,828	8,887,742
GTE NORTH INC. - IN	563,489	652,405	681,592	716,797	773,441	1,041,596	875,041	944,309
UTC OF INDIANA	249,763	266,600	279,500	293,382	332,743	356,012	357,786	389,749
INDIANA BELL TEL CO	1,254,170	1,320,767	1,389,280	1,435,274	1,653,110	1,811,029	1,887,190	2,019,472
GTE NORTH INC. - WI	480,320	554,514	573,850	593,979	622,078	853,477	720,149	769,166
WISCONSIN BELL	1,506,257	1,590,868	1,689,031	1,731,619	1,859,291	2,000,574	2,088,066	2,240,594
CENTEL OF ILLINOIS	0	180,986	185,816	192,600	214,979	226,481	244,478	269,118
GTE NORTH INC. - IL	1,044,526	1,310,942	1,385,946	1,406,263	1,464,087	1,911,417	1,582,320	1,671,372
ILLINOIS BELL TEL CO	2,795,107	2,792,678	2,842,898	2,999,454	3,461,162	3,585,204	3,753,737	3,659,153
GTE NORTH INC. - IA	198,819	226,645	241,449	258,789	258,631	337,299	272,226	287,717
UTC OF IOWA	0	113,058	121,926	123,858	133,468	148,293	145,529	156,825
NORTHWESTERN BELL-IA	1,151,815	1,202,196	1,254,510	1,287,712	1,505,355	1,412,151	1,473,873	1,541,659
GTE NORTH INC. - MN	6,204	7,266	8,103	8,868	8,543	10,111	8,346	8,760
CENTEL OF MN	77,352	84,922	91,900	100,423	105,534	116,715	120,404	143,784
UTC OF MINNESOTA	0	114,611	124,845	134,068	143,505	169,109	170,926	180,101
NORTHWESTERN BELL-MN	1,145,025	1,209,717	1,286,080	1,364,122	1,670,731	1,686,419	1,782,595	1,911,187
GTE NORTH INC. - NE	71,849	78,117	92,037	97,496	101,249	127,572	100,619	105,135
LINCOLN TEL & TEL CO	281,175	299,881	329,033	339,257	358,462	357,440	356,330	420,001
UTC OF THE WEST-NE	0	20,854	22,018	23,253	23,195	28,591	27,874	26,511
NORTHWESTERN BELL-NE	378,570	373,877	430,088	452,228	541,465	496,014	507,088	540,636
NORTHWESTERN BELL-ND	281,200	307,504	321,157	326,811	365,567	400,723	394,523	390,112
NORTHWESTERN BELL-SD	273,420	289,120	306,493	317,986	345,726	382,304	384,748	403,040
UTC OF ARKANSAS	26,039	26,109	26,280	26,829	27,628	31,275	31,967	33,515
GTE SOUTHWEST INC-AR	98,119	110,714	108,346	102,428	233,106	166,982	131,652	143,500
SOUTHWESTERN BELL-AR	881,219	940,795	948,497	971,418	1,059,775	1,120,307	1,107,102	1,166,353
UTC OF KANSAS	138,162	141,479	145,376	148,637	145,952	158,079	150,542	152,780
SOUTHWESTERN BELL-KS	1,200,138	1,310,646	1,316,170	1,327,216	1,384,533	1,448,935	1,418,006	1,496,752
GTE NORTH INC. - MO	154,903	180,888	182,168	189,367	194,101	276,194	235,637	253,398
UTC OF MISSOURI	321,660	341,453	350,364	355,275	367,691	401,927	388,638	421,696
SOUTHWESTERN BELL-MO	1,579,062	1,631,980	1,639,366	1,592,922	1,706,188	1,858,455	1,932,471	2,072,977
GTE SOUTHWEST INC-OK	167,145	207,679	219,659	213,789	483,626	322,616	249,196	258,124
SOUTHWESTERN BELL-OK	1,740,306	1,946,051	2,108,487	2,116,478	2,203,765	2,344,976	2,221,825	2,163,617

TABLE 4.12

STATE SUBSCRIBER LINE USAGE MINUTES,
BY COMPANY (IN 000'S)

PAGE 3

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	1,512,653	1,836,636	1,931,153	1,861,151	4,434,021	3,071,433	2,516,230	2,839,373
UTC OF TEXAS INC	0	0	258,273	261,630	307,064	342,420	344,671	350,491
CENTEL OF TEXAS	147,142	167,868	204,007	209,925	241,999	264,407	268,844	300,763
CONTEL OF TEXAS	310,503	365,023	410,817	419,009	482,454	537,166	551,548	606,292
SOUTHWESTERN BELL-TX	7,163,641	7,984,232	8,624,156	8,366,678	10,711,543	11,856,268	11,572,476	11,351,257
MOUNTAIN BELL - AZ	780,067	859,628	906,913	907,327	1,361,524	1,279,569	1,467,747	1,676,565
MOUNTAIN BELL-CO	1,198,914	1,340,451	1,464,981	1,519,353	2,248,071	1,910,358	2,049,182	2,237,527
GTE NORTHWEST INC-ID	70,371	79,297	80,913	86,591	100,150	107,166	109,302	112,867
MOUNTAIN BELL-ID	367,713	382,959	390,840	407,341	511,995	518,941	515,939	525,805
PACIFIC NW BELL-ID	28,055	29,023	29,378	31,820	34,841	35,835	36,580	38,114
GTE NORTHWEST INC-MT	6,833	7,520	7,322	7,873	8,741	9,056	9,359	9,583
MOUNTAIN BELL-MT	440,074	463,298	478,570	511,165	559,284	583,107	616,394	629,598
GTE SOUTHWEST INC-NM	35,556	44,519	49,677	44,726	109,245	76,162	51,491	50,579
MOUNTAIN BELL-NM	414,027	443,979	486,228	495,268	611,080	600,070	670,198	690,618
MOUNTAIN BELL-UT	607,973	662,798	649,725	653,533	703,829	792,038	850,832	894,382
UTC OF THE WEST-WY	0	6,487	6,061	6,380	6,157	7,647	7,647	7,374
MOUNTAIN BELL-WY	266,368	288,983	290,129	278,147	324,173	342,294	336,195	324,791
UTC OF THE NW-WA	113,104	119,359	126,657	134,617	130,314	145,562	146,102	152,194
GTE NORTHWEST INC-WA	539,695	615,038	648,849	716,582	788,485	852,928	924,879	1,036,346
PACIFIC NW BELL-WA	1,707,317	1,862,792	1,960,852	2,107,864	2,600,286	2,821,724	2,705,882	3,054,319
UTC OF THE NW - OR	106,257	110,267	108,367	113,236	114,335	137,405	122,456	123,209
GTE NORTHWEST INC-OR	298,690	370,726	375,089	390,566	403,489	402,926	420,945	462,103
PACIFIC NW BELL-OR	1,188,001	1,128,707	1,253,644	1,312,778	1,611,851	1,468,563	1,560,903	1,698,853
CONTEL OF CALIFORNIA	528,928	583,532	616,939	649,199	690,091	768,577	833,960	867,056
GTC OF CALIFORNIA	6,721,915	7,880,738	8,222,677	8,523,993	8,912,648	8,865,221	9,845,737	10,701,711
WEST COAST TEL OF CA	15,895	17,886	16,858	16,333	16,870	17,705	18,381	20,984
PACIFIC BELL	23,837,631	25,474,982	26,047,955	27,859,718	31,902,707	35,162,679	36,972,951	39,175,039
CENTEL OF NV	33,138	36,461	40,153	47,526	50,456	56,959	71,448	80,089
NEVADA BELL	81,088	90,660	91,294	95,978	114,861	141,032	158,560	163,152
DIAMOND STATE TEL	112,942	120,355	126,498	143,724	219,273	278,426	193,396	225,821
C & P TEL CO OF WASH	0	0	0	0	0	0	0	0
NEW ENGLAND TEL - RI	308,779	321,939	335,099	349,461	371,858	404,454	437,476	462,324
GTE HAWAIIAN TEL. CO	0	0	215,364	250,873	273,165	301,806	328,029	336,851
PUERTO RICO TEL CO	0	0	0	0	704,920	891,490	1,018,185	1,305,727
AVERAGE SCHEDULE CO.	0	0	0	0	35,092,000	4,013,400	3,590,600	5,328,600
ALL OTHER COST CO.	0	0	0	0	97,378,000	11,146,600	12,039,500	12,994,717

- Beginning in June 1986 outward WATS minutes are excluded

TABLE 4.13

INTERSTATE SUBSCRIBER LINE USAGE MINUTES,
BY COMPANY (IN 000'S)

PAGE 1

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	481,232	529,080	576,927	640,969	724,815	864,010	842,509	899,091
NEW ENGLAND TEL-MA	3,909,460	4,158,899	4,408,339	4,706,411	5,293,437	6,934,079	6,938,794	7,447,114
NEW ENGLAND TEL-NH	806,688	877,109	947,530	1,037,359	1,181,965	1,497,337	1,520,071	1,677,011
SOUTHERN NEW ENGLAND	2,586,964	3,604,712	3,739,316	3,902,430	4,266,775	3,766,560	4,117,510	4,715,973
NEW ENGLAND TEL-VT	392,561	420,731	448,901	490,731	560,773	615,851	578,437	647,229
CONTEL OF NY, INC	132,050	146,814	158,648	173,657	205,253	254,046	290,771	280,339
ROCHESTER TEL CORP	0	0	0	0	458,813	534,534	617,566	611,407
NEW YORK TEL CO	10,925,994	11,709,096	12,637,315	13,757,135	16,832,605	19,755,330	19,861,136	20,269,645
UNITED TEL - NJ, INC	0	142,699	152,963	171,269	193,581	255,092	273,792	332,119
NEW JERSEY BELL	7,173,029	7,542,440	7,876,876	8,425,222	9,772,646	11,738,232	11,521,702	14,153,457
GTE NORTH INC. - PA	10,394	12,368	13,697	14,325	407,924	490,053	545,858	661,926
UTC OF PENNSYLVANIA	192,534	209,889	213,853	228,291	295,613	322,745	328,405	375,189
BELL OF PENNSYLVANIA	5,435,893	5,747,278	6,064,591	6,481,488	7,748,620	9,283,435	8,613,981	10,283,272
C & P TEL CO OF MD	2,793,163	2,937,391	3,005,099	3,192,233	3,627,630	4,013,929	4,738,455	5,975,012
CONTEL OF VIRGINIA	0	303,651	331,357	357,602	483,365	604,009	718,539	908,622
CENDEL OF VIRGINIA	214,091	229,720	243,914	270,559	293,695	358,331	289,503	380,191
GTE SOUTH INC. - VA	33,731	36,491	38,797	36,535	43,333	58,703	48,806	55,090
UNITED INTER-MT-VA	85,581	94,581	99,191	103,254	112,485	122,570	129,441	137,290
C & P TEL CO OF VA	2,702,546	2,849,621	2,969,606	3,256,237	3,920,968	4,491,670	4,465,614	5,869,083
GTE SOUTH INC. - WV	86,790	91,928	99,415	99,035	116,860	158,120	139,215	160,090
C & P TEL CO OF WV	812,365	862,245	869,138	901,117	1,019,138	1,130,119	1,104,206	1,309,490
GTE FLORIDA INC.	1,332,526	1,547,275	1,855,454	1,964,069	2,309,384	2,638,081	2,979,781	3,299,704
CENDEL OF FLORIDA	199,583	233,678	257,460	285,868	324,177	395,426	489,058	576,196
UTC OF FLORIDA	0	895,484	1,004,883	1,077,248	1,115,222	1,385,412	1,495,040	1,796,045
SOUTHERN BELL-FL	4,639,255	5,024,777	5,422,977	5,872,280	6,622,091	7,616,467	9,107,734	8,486,733
GTE SOUTH INC.- GA	145,202	166,167	169,567	182,750	216,080	304,302	243,596	272,441
SOUTHERN BELL-GA	3,375,324	3,654,000	3,856,208	3,963,328	4,532,620	5,252,475	5,987,591	4,864,398
CAROLINA TEL & TEL	620,701	653,659	697,556	787,820	932,369	1,142,784	1,235,204	1,489,320
CENDEL OF NC	134,924	148,995	150,172	169,874	195,965	223,854	255,691	238,670
GTE SOUTH INC - NC	125,528	157,051	172,171	192,790	220,671	329,281	251,344	329,272
SOUTHERN BELL-NC	1,537,854	1,723,292	1,818,150	1,979,818	2,277,122	2,618,057	3,006,378	2,709,244
GTE SOUTH INC. - SC	135,267	165,483	171,687	193,341	219,184	315,713	275,153	363,168
UTC OF THE CAROLINAS	67,610	75,346	81,119	87,734	103,559	112,130	114,913	128,986
SOUTHERN BELL-SC	1,056,324	1,163,444	1,230,150	1,347,911	1,597,919	1,715,878	2,087,019	1,937,609
GTE SOUTH INC. - AL	119,752	146,396	153,332	161,240	196,224	248,013	209,478	250,320
SO CENTRAL BELL-AL	1,496,885	1,593,038	1,657,039	1,735,018	2,001,702	2,496,474	2,801,719	2,303,254
GTE SOUTH INC. - KY	279,848	354,504	363,458	367,031	416,260	604,186	499,406	678,519
CINCINNATI BELL-KY	97,102	100,990	118,896	148,218	160,033	230,813	234,074	253,636
SO CENTRAL BELL-KY	1,041,342	1,085,292	1,100,683	1,124,224	1,317,494	1,537,244	1,706,693	1,406,528
SO CENTRAL BELL-LA	1,884,529	2,070,844	2,166,548	2,264,646	2,613,634	3,119,750	3,206,197	2,646,685
SO CENTRAL BELL-MS	1,072,552	1,151,992	1,200,145	1,264,112	1,436,064	1,784,017	1,993,211	1,665,302

TABLE 4.13

INTERSTATE SUBSCRIBER LINE USAGE MINUTES,
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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	38,055	44,960	53,273	56,115	60,690	96,493	72,144	77,721
UNITED INTER-MT-TN	177,603	193,736	208,934	220,020	244,162	265,937	270,640	314,718
SO. CENTRAL BELL -TN	2,100,771	2,248,573	2,449,311	2,633,088	3,206,753	3,797,088	4,160,489	3,429,050
GTE NORTH INC. - OH	476,296	560,169	547,498	556,710	608,726	839,254	774,296	924,093
CENDEL OF OHIO	0	44,276	46,836	47,614	59,705	76,087	80,336	101,164
UTC OF OHIO	323,585	346,944	375,648	404,453	445,744	531,338	496,347	573,873
CINCINNATI BELL-OH	653,777	697,353	799,596	851,738	924,167	1,300,998	1,402,629	1,510,185
OHIO BELL TEL CO	3,161,223	3,262,614	3,356,813	3,441,126	4,558,378	4,978,086	5,984,248	6,614,614
GTE NORTH INC. - MI	299,699	333,013	356,398	373,387	419,491	584,018	533,553	587,251
MICHIGAN BELL TEL CO	3,237,384	3,315,932	2,997,982	3,343,832	4,495,813	5,507,136	6,271,950	5,271,363
GTE NORTH INC. - IN	612,907	717,095	723,945	758,531	831,804	1,166,171	1,035,750	1,117,740
UTC OF INDIANA	154,460	175,640	183,152	194,734	209,542	226,266	210,487	246,077
INDIANA BELL TEL CO	1,754,619	1,855,212	1,920,145	1,956,224	2,288,833	2,837,176	2,943,954	3,334,682
GTE NORTH INC. - WI	247,333	290,329	295,861	313,761	353,212	505,128	413,156	427,164
WISCONSIN BELL	1,520,812	1,606,919	1,677,293	1,756,255	2,166,457	2,489,556	2,806,560	3,086,257
CENDEL OF ILLINOIS	0	223,357	218,486	243,960	274,970	296,297	368,766	467,304
GTE NORTH INC. - IL	420,387	555,749	587,189	608,678	628,804	843,236	689,865	769,326
ILLINOIS BELL TEL CO	6,267,023	6,389,398	6,263,330	6,437,998	8,523,190	9,669,295	10,395,166	11,842,408
GTE NORTH INC. - IA	79,160	96,312	103,705	112,163	119,494	162,148	132,387	139,447
UTC OF IOWA	0	50,106	55,592	58,888	68,945	88,519	84,948	92,315
NORTHWESTERN BELL-IA	1,090,361	1,145,090	1,193,092	1,319,258	1,654,471	2,053,867	2,178,722	2,204,203
GTE NORTH INC. - MN	2,725	3,283	3,545	3,962	4,022	5,116	4,084	4,399
CENDEL OF MN	49,666	55,757	59,052	63,534	76,541	86,279	93,993	118,021
UTC OF MINNESOTA	0	52,567	55,250	59,876	64,717	85,239	89,769	105,213
NORTHWESTERN BELL-MN	1,784,250	1,895,217	1,956,822	2,130,621	2,409,724	3,201,145	3,540,222	3,790,668
GTE NORTH INC. - NE	32,689	35,423	40,545	43,865	49,137	66,911	55,290	66,769
LINCOLN TEL & TEL CO	213,534	226,014	235,231	234,282	289,835	317,463	354,921	430,323
UTC OF THE WEST-NE	0	33,190	34,893	35,301	35,557	44,787	45,555	48,588
NORTHWESTERN BELL-NE	657,986	786,387	789,675	835,900	943,344	1,148,948	1,280,982	1,450,382
NORTHWESTERN BELL-ND	298,558	334,594	377,241	364,777	416,723	507,247	529,080	575,660
NORTHWESTERN BELL-SD	300,992	327,845	350,736	381,193	479,191	514,461	595,617	623,829
UTC OF ARKANSAS	17,809	19,210	20,593	21,454	22,079	27,492	28,908	32,285
GTE SOUTHWEST INC-AR	65,246	77,491	76,864	71,867	167,752	127,894	104,096	120,089
SOUTHWESTERN BELL-AR	823,288	906,621	946,861	1,009,077	1,187,686	1,438,910	1,391,099	1,430,548
UTC OF KANSAS	94,658	97,093	99,061	107,797	110,239	119,373	124,403	139,728
SOUTHWESTERN BELL-KS	1,206,452	1,302,109	1,320,938	1,432,234	1,647,121	1,946,868	1,954,336	2,125,523
GTE NORTH INC. - MO	88,679	100,323	104,460	117,094	134,175	185,595	175,544	202,087
UTC OF MISSOURI	160,699	180,541	203,942	224,451	207,975	295,624	288,035	311,181
SOUTHWESTERN BELL-MO	2,739,563	2,762,225	2,784,578	2,851,208	3,270,661	4,094,676	3,906,329	3,901,667
GTE SOUTHWEST INC-OK	95,036	122,599	130,577	121,299	285,739	212,837	183,602	228,022
SOUTHWESTERN BELL-OK	1,728,534	1,892,303	2,052,839	2,020,341	2,194,776	2,469,684	2,363,044	2,478,957

TABLE 4.13

INTERSTATE SUBSCRIBER LINE USAGE MINUTES,
BY COMPANY (IN 000'S)

PAGE 3

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	725,311	875,136	883,047	840,341	2,107,319	1,561,820	1,427,087	1,987,296
UTC OF TEXAS INC	0	0	49,271	46,201	60,325	71,283	73,847	92,391
CENTEL OF TEXAS	119,158	131,895	136,791	151,563	199,791	223,694	275,500	291,310
CONTEL OF TEXAS	71,139	81,839	94,332	95,216	120,236	156,630	153,800	187,956
SOUTHWESTERN BELL-TX	5,589,713	6,267,802	7,039,559	7,239,999	8,451,452	10,688,564	10,133,479	10,495,338
MOUNTAIN BELL - AZ	2,110,331	2,233,671	2,298,028	2,291,902	2,743,688	3,608,881	4,047,659	4,744,361
MOUNTAIN BELL-CO	2,523,456	2,902,241	3,142,296	3,263,128	3,795,739	4,188,054	4,724,356	5,107,241
GTE NORTHWEST INC-ID	115,414	135,580	135,633	144,666	179,076	195,222	195,335	203,510
MOUNTAIN BELL-ID	418,023	448,512	466,319	503,319	612,668	742,939	781,546	823,523
PACIFIC NW BELL-ID	38,262	38,796	41,330	42,280	48,108	53,191	56,646	63,312
GTE NORTHWEST INC-MT	7,830	9,474	9,427	10,002	12,153	13,171	13,424	14,199
MOUNTAIN BELL-MT	406,083	456,997	473,017	474,200	550,447	624,065	645,866	695,256
GTE SOUTHWEST INC-NM	65,122	83,558	87,668	76,616	176,985	119,091	84,201	94,172
MOUNTAIN BELL-NM	703,274	767,976	823,212	864,229	1,003,989	1,190,878	1,319,899	1,490,170
MOUNTAIN BELL-UT	816,676	921,679	992,385	1,097,729	1,048,779	1,513,486	1,640,365	1,649,727
UTC OF THE WEST-WY	0	10,259	9,724	9,663	11,072	13,574	14,798	15,417
MOUNTAIN BELL-WY	432,928	495,642	519,354	504,858	564,510	622,473	630,117	639,392
UTC OF THE NW-WA	51,303	54,717	57,176	62,052	68,681	75,905	73,632	78,995
GTE NORTHWEST INC-WA	357,656	423,742	445,010	482,028	533,764	599,149	643,730	803,435
PACIFIC NW BELL-WA	1,750,289	1,924,844	2,036,402	2,153,692	2,600,721	3,157,911	3,391,040	3,793,625
UTC OF THE NW - OR	46,837	49,463	50,180	54,419	60,850	76,106	73,791	76,196
GTE NORTHWEST INC-OR	249,080	324,376	320,949	336,002	359,750	384,425	447,149	496,417
PACIFIC NW BELL-OR	1,121,512	1,285,031	1,289,544	1,365,586	1,664,824	2,225,805	2,092,637	2,287,570
CONTEL OF CALIFORNIA	131,163	139,993	153,124	169,787	184,745	219,020	248,641	298,857
GTC OF CALIFORNIA	1,902,489	2,193,721	2,237,487	2,374,093	2,467,694	2,961,702	3,543,810	4,368,236
WEST COAST TEL OF CA	9,131	10,804	10,448	11,056	11,935	12,066	11,349	12,302
PACIFIC BELL	9,683,515	10,145,217	10,560,841	11,676,623	13,579,847	16,381,192	16,392,151	17,473,858
CENTEL OF NV	563,335	613,920	624,540	647,682	859,509	873,281	1,238,527	1,318,840
NEVADA BELL	374,636	408,824	418,932	469,841	535,500	570,528	540,491	577,007
DIAMOND STATE TEL	619,575	640,000	646,107	688,151	831,090	1,025,248	1,056,767	1,270,743
C & P TEL CO OF WASH	1,843,797	1,910,972	1,912,159	2,007,116	2,391,430	3,006,849	2,890,773	2,922,386
NEW ENGLAND TEL - RI	703,986	739,933	775,880	829,168	939,642	1,159,393	1,130,628	1,253,119
GTE HAWAIIAN TEL. CO	0	0	471,660	498,775	514,796	743,960	861,247	1,300,807
PUERTO RICO TEL CO	0	0	0	0	503,063	625,901	731,995	866,331
AVERAGE SCHEDULE CO.	0	0	0	0	2,378,200	2,741,200	2,486,400	3,698,000
ALL OTHER COST CO.	0	0	0	0	6,599,300	7,613,200	8,337,000	8,590,277

- Beginning in June 1986 outward WATS minutes are excluded

TABLE 4.14

TOTAL SUBSCRIBER LINE USAGE MINUTES,
BY COMPANY (IN 000'S)

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	5,602,054	5,812,355	6,022,655	6,253,889	6,523,874	6,573,095	6,632,555	7,003,193
NEW ENGLAND TEL-MA	46,315,190	47,882,406	49,449,623	50,725,433	53,811,730	56,478,515	55,619,341	58,070,462
NEW ENGLAND TEL-NH	5,393,663	5,635,658	5,877,653	6,138,079	6,779,335	7,261,865	7,374,569	7,804,040
SOUTHERN NEW ENGLAND	24,873,259	26,214,636	26,812,152	27,453,705	28,400,356	28,669,324	31,059,122	32,084,428
NEW ENGLAND TEL-VT	2,647,117	2,821,690	2,996,263	3,160,652	3,257,675	3,291,936	3,239,270	3,275,234
CONTEL OF NY, INC	2,003,919	2,154,562	2,235,596	2,334,945	2,482,459	2,650,793	2,802,195	2,575,747
ROCHESTER TEL CORP	0	0	0	0	6,711,906	7,043,271	7,215,647	7,398,485
NEW YORK TEL CO	126,648,658	132,757,401	137,670,997	145,378,666	158,060,635	169,333,194	171,441,676	173,811,075
UNITED TEL - NJ, INC	0	1,067,140	1,114,450	1,183,526	1,315,501	1,564,537	1,610,130	1,793,653
NEW JERSEY BELL	62,083,618	64,319,153	64,862,816	66,862,812	71,166,134	73,122,587	73,622,516	78,623,521
GTE NORTH INC. - PA	207,831	225,938	250,067	276,676	5,934,605	6,323,996	6,629,203	7,002,276
UTC OF PENNSYLVANIA	2,859,429	2,990,245	3,023,391	3,113,383	3,435,650	3,530,369	3,611,184	3,708,488
BELL OF PENNSYLVANIA	76,708,859	79,303,954	81,772,954	82,445,865	84,144,308	83,807,280	86,094,778	89,469,128
C & P TEL CO OF MD	40,600,001	42,519,569	44,701,293	46,143,171	46,742,778	46,060,282	48,290,093	51,025,415
CONTEL OF VIRGINIA	0	2,982,418	3,172,157	3,312,534	3,896,870	4,432,556	4,758,794	5,362,884
CENTEL OF VIRGINIA	2,406,190	2,524,172	2,697,262	2,787,232	2,763,487	3,029,191	3,005,079	3,153,487
GTE SOUTH INC. - VA	480,984	487,786	536,355	512,537	526,490	666,869	549,113	547,864
UNITED INTER-MT-VA	1,294,860	1,309,116	1,324,543	1,365,432	1,243,288	1,193,926	1,213,344	1,242,641
C & P TEL CO OF VA	34,260,220	34,734,363	35,926,817	37,762,478	39,567,208	41,515,781	42,833,116	45,932,171
GTE SOUTH INC. - WV	854,277	858,808	974,238	962,861	994,970	1,245,334	1,026,294	1,035,545
C & P TEL CO OF WV	11,656,872	11,894,722	11,840,569	11,908,685	12,175,657	12,449,573	12,310,349	12,858,608
GTE FLORIDA INC.	13,215,754	13,896,073	15,848,729	16,892,705	18,410,854	20,243,039	21,739,121	21,587,985
CENTEL OF FLORIDA	2,033,681	2,243,140	2,318,614	2,496,734	2,755,572	2,954,372	3,402,211	3,695,149
UTC OF FLORIDA	0	6,986,523	7,637,994	8,031,670	8,747,173	9,615,262	10,336,629	11,282,777
SOUTHERN BELL-FL	50,848,705	52,757,650	55,552,948	58,886,379	62,252,955	65,524,083	68,472,841	69,273,162
GTE SOUTH INC.- GA	2,216,848	2,457,886	2,550,337	2,657,846	2,723,919	3,527,827	3,011,955	3,098,274
SOUTHERN BELL-GA	41,410,481	42,488,702	42,805,716	45,120,126	48,796,398	51,233,602	52,873,548	52,516,155
CAROLINA TEL & TEL	8,886,193	9,011,933	9,411,985	9,843,640	10,656,598	11,266,811	11,566,072	12,103,874
CENTEL OF NC	2,275,046	2,365,780	2,450,883	2,573,251	2,687,414	2,845,346	2,972,446	3,063,980
GTE SOUTH INC - NC	1,534,892	1,706,190	1,827,984	1,933,760	2,095,306	2,795,419	2,157,150	2,253,693
SOUTHERN BELL-NC	22,250,200	22,597,791	22,977,107	23,649,601	26,019,428	27,767,242	29,480,992	27,611,837
GTE SOUTH INC. - SC	1,458,856	1,649,458	1,638,874	1,725,257	1,892,534	2,515,030	2,060,902	2,178,115
UTC OF THE CAROLINAS	823,670	860,353	861,912	915,679	933,214	1,005,014	1,048,287	1,104,081
SOUTHERN BELL-SC	16,694,214	16,770,889	17,161,892	17,612,619	19,066,681	20,158,447	21,074,191	20,300,645
GTE SOUTH INC. - AL	1,319,607	1,532,928	1,648,620	1,667,722	1,768,540	2,230,600	1,814,425	1,897,049
SO CENTRAL BELL-AL	24,697,437	25,329,449	26,008,608	27,094,573	28,041,000	29,237,536	30,494,867	30,586,660
GTE SOUTH INC. - KY	3,563,993	4,455,467	4,502,745	4,614,710	4,882,695	6,590,632	5,219,803	5,380,949
CINCINNATI BELL-KY	2,320,088	2,347,873	2,412,437	2,461,696	2,496,899	2,642,263	2,635,314	2,727,937
SO CENTRAL BELL-KY	16,359,178	16,440,355	16,654,307	16,799,282	17,906,591	18,485,575	17,946,610	17,925,248
SO CENTRAL BELL-LA	32,896,820	35,047,543	36,772,897	37,451,222	38,049,861	38,369,997	37,770,494	36,275,629
SO CENTRAL BELL-MS	14,753,482	14,892,986	15,524,031	15,906,749	16,588,204	18,008,167	18,197,348	18,299,997

TABLE 4.14

TOTAL SUBSCRIBER LINE USAGE MINUTES,
BY COMPANY (IN MILLIONS)

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	637,594	641,758	675,835	671,560	702,065	930,898	766,572	775,956
UNITED INTER-MT-TN	2,597,376	2,677,868	2,670,258	2,712,940	2,728,882	2,850,433	2,990,270	3,175,615
SO. CENTRAL BELL -TN	33,120,760	32,791,726	33,753,603	34,238,597	36,196,599	38,268,910	40,117,307	40,273,570
GTE NORTH INC. - OH	7,124,198	8,095,992	8,253,470	8,356,488	8,885,453	11,380,824	9,625,150	9,932,310
CENTEL OF OHIO	0	861,049	830,959	839,316	887,636	921,173	929,426	984,957
UTC OF OHIO	5,091,675	5,265,155	5,379,464	5,375,636	5,620,379	5,900,263	6,073,807	6,258,049
CINCINNATI BELL-OH	12,302,298	12,015,727	12,425,179	12,671,435	13,453,056	13,571,314	13,677,884	13,828,320
OHIO BELL TEL CO	56,569,582	55,963,429	56,662,307	58,655,124	62,400,240	62,641,998	60,788,578	61,979,194
GTE NORTH INC. - MI	5,431,513	5,959,291	6,014,776	6,043,190	6,284,368	8,153,287	6,700,446	6,830,140
MICHIGAN BELL TEL CO	65,437,451	65,593,456	65,199,882	66,965,089	69,675,781	71,517,898	73,776,306	73,227,302
GTE NORTH INC. - IN	6,700,818	7,274,432	7,409,079	7,669,371	8,393,774	10,471,815	8,857,080	9,171,678
UTC OF INDIANA	1,670,887	1,765,212	1,855,600	1,854,078	1,992,582	2,015,593	2,049,419	2,146,091
INDIANA BELL TEL CO	25,935,324	25,865,162	26,772,118	26,825,258	27,693,014	28,191,615	28,314,364	28,830,537
GTE NORTH INC. - WI	3,181,959	3,569,447	3,649,608	3,690,810	3,810,804	4,984,622	4,076,308	4,122,621
WISCONSIN BELL	24,587,934	23,891,976	24,518,614	24,425,351	24,987,027	25,976,889	26,572,815	26,443,853
CENTEL OF ILLINOIS	0	2,450,828	2,504,644	2,562,787	2,664,587	2,587,417	2,660,145	2,745,275
GTE NORTH INC. - IL	5,684,906	6,940,635	7,116,919	7,282,862	7,697,947	9,713,141	7,591,149	7,594,276
ILLINOIS BELL TEL CO	79,368,904	81,925,045	82,031,359	83,346,540	90,003,031	93,272,883	93,646,418	93,658,403
GTE NORTH INC. - IA	994,161	1,089,207	1,159,991	1,195,487	1,262,258	1,544,385	1,220,202	1,205,818
UTC OF IOWA	0	636,535	669,430	680,551	688,073	732,045	717,991	732,612
NORTHWESTERN BELL-IA	13,121,424	12,949,074	13,276,717	13,479,043	14,180,217	14,467,136	14,740,552	14,349,623
GTE NORTH INC. - MN	31,427	34,666	36,425	37,103	36,086	43,906	34,267	33,661
CENTEL OF MN	724,606	782,542	819,554	884,297	906,843	969,728	1,001,853	1,070,044
UTC OF MINNESOTA	0	953,475	1,002,251	1,058,174	1,085,124	1,214,922	1,250,168	1,293,704
NORTHWESTERN BELL-MN	24,333,353	24,288,344	25,574,249	26,983,443	28,357,063	29,180,644	30,060,768	29,721,045
GTE NORTH INC. - NE	432,817	444,965	508,369	532,108	547,778	672,810	526,017	531,022
LINCOLN TEL & TEL CO	2,417,825	2,476,645	2,599,890	2,721,826	2,902,551	2,953,445	2,988,400	3,159,598
UTC OF THE WEST-NE	0	279,863	281,581	290,599	271,248	305,599	300,677	310,110
NORTHWESTERN BELL-NE	6,301,164	6,770,421	6,767,486	7,331,080	7,348,955	7,867,190	7,954,928	8,053,126
NORTHWESTERN BELL-ND	3,294,642	3,409,209	3,556,821	3,512,061	3,773,116	3,836,183	3,746,326	3,696,400
NORTHWESTERN BELL-SD	2,975,073	2,994,826	3,114,639	3,107,408	3,367,835	3,508,249	3,586,594	3,507,605
UTC OF ARKANSAS	171,528	172,833	177,047	175,736	181,253	193,820	187,651	189,950
GTE SOUTHWEST INC-AR	757,013	874,915	884,453	821,924	1,931,763	1,239,948	979,592	965,546
SOUTHWESTERN BELL-AR	10,218,113	10,230,830	10,553,327	11,025,646	11,806,220	12,207,372	12,253,188	12,407,492
UTC OF KANSAS	706,262	710,074	727,243	752,320	745,644	757,192	725,463	746,844
SOUTHWESTERN BELL-KS	14,468,011	14,349,320	14,576,555	15,063,249	15,524,383	16,478,487	16,474,322	16,366,118
GTE NORTH INC. - MO	971,926	1,078,775	1,125,641	1,163,900	1,223,734	1,597,350	1,322,265	1,305,988
UTC OF MISSOURI	1,667,866	1,736,909	1,847,059	1,890,524	1,898,750	2,024,233	1,982,368	2,095,551
SOUTHWESTERN BELL-MO	33,234,537	33,250,766	34,470,746	34,150,430	35,865,989	37,845,744	38,434,985	38,974,463
GTE SOUTHWEST INC-OK	1,020,008	1,217,113	1,302,901	1,215,132	2,842,444	1,894,354	1,501,200	1,448,362
SOUTHWESTERN BELL-OK	19,415,472	19,980,930	21,260,945	21,833,650	21,858,655	21,980,795	21,513,672	21,125,847

TABLE 4.14

TOTAL SUBSCRIBER LINE USAGE MINUTES,
BY COMPANY (IN MILLIONS)

PAGE 3

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	10,798,943	12,805,291	13,221,107	12,576,000	29,598,270	19,812,955	16,225,036	16,933,816
UTC OF TEXAS INC	0	0	1,029,474	1,053,232	1,108,510	1,135,737	1,218,490	1,263,357
CENTEL OF TEXAS	1,208,370	1,318,884	1,454,684	1,539,411	1,691,662	1,830,992	1,908,698	1,909,168
CONTEL OF TEXAS	1,225,927	1,324,000	1,457,848	1,514,065	1,684,194	1,812,323	1,878,205	2,026,862
SOUTHWESTERN BELL-TX	93,474,566	99,342,023	108,002,820	111,302,849	116,741,672	125,201,729	126,286,047	123,472,034
MOUNTAIN BELL - AZ	18,474,715	19,638,495	19,881,613	21,278,203	20,908,512	25,498,766	27,698,289	29,244,084
MOUNTAIN BELL-CO	23,271,567	24,913,017	26,877,555	26,847,859	27,674,704	28,887,202	29,613,722	30,464,854
GTE NORTHWEST INC-ID	695,992	760,290	759,067	796,999	873,444	923,073	920,134	954,880
MOUNTAIN BELL-ID	4,173,776	4,319,694	4,422,505	4,428,672	4,580,666	4,760,230	4,765,831	4,755,896
PACIFIC NW BELL-ID	351,544	349,557	346,911	366,042	378,141	386,333	377,752	377,664
GTE NORTHWEST INC-MT	59,409	69,029	66,890	77,344	80,972	83,488	82,412	82,189
MOUNTAIN BELL-MT	3,662,304	3,699,558	3,816,654	3,910,598	4,071,278	4,179,495	4,304,465	4,227,071
GTE SOUTHWEST INC-NM	480,426	587,872	617,570	521,116	1,145,784	711,851	555,067	555,282
MOUNTAIN BELL-NM	7,170,952	7,503,885	7,670,165	7,941,502	8,416,051	8,848,623	9,397,332	9,749,949
MOUNTAIN BELL-UT	10,182,317	10,398,466	10,913,764	11,409,185	11,956,755	12,356,775	12,712,660	12,667,257
UTC OF THE WEST-WY	0	61,298	59,998	61,433	63,290	66,213	65,633	66,994
MOUNTAIN BELL-WY	2,772,544	2,904,966	3,016,761	2,911,202	2,694,788	3,086,978	3,029,163	2,858,550
UTC OF THE NW-WA	459,324	483,499	503,556	520,681	518,604	556,181	543,159	561,202
GTE NORTHWEST INC-WA	4,563,295	4,955,076	5,108,555	5,370,788	5,732,168	6,220,136	6,738,534	7,389,679
PACIFIC NW BELL-WA	22,409,060	23,187,572	23,391,213	24,632,688	25,179,381	25,822,366	27,265,644	28,300,651
UTC OF THE NW - OR	400,463	417,149	407,651	425,196	443,532	549,875	494,946	530,242
GTE NORTHWEST INC-OR	2,410,524	3,071,661	3,097,662	3,235,273	3,425,776	3,601,323	3,711,733	3,911,231
PACIFIC NW BELL-OR	13,861,989	13,804,048	13,523,522	13,976,416	14,119,889	14,345,864	14,549,022	14,681,287
CONTEL OF CALIFORNIA	2,082,816	2,191,111	2,313,667	2,391,794	2,519,868	2,750,234	2,916,849	3,049,928
GTC OF CALIFORNIA	34,127,899	37,962,749	39,661,040	41,763,040	42,509,622	43,703,203	45,894,608	48,910,896
WEST COAST TEL OF CA	73,187	87,541	87,920	92,736	96,450	95,830	95,364	104,833
PACIFIC BELL	164,840,838	170,315,986	175,637,189	182,869,278	187,989,062	196,345,688	198,789,295	205,260,166
CENTEL OF NV	3,750,282	3,952,822	4,017,875	4,150,515	4,291,460	4,659,992	5,188,204	5,597,848
NEVADA BELL	2,056,649	2,169,200	2,269,536	2,389,738	2,552,996	2,618,375	2,654,888	2,843,591
DIAMOND STATE TEL	4,901,391	4,984,265	4,986,811	5,188,076	5,516,444	5,682,858	5,924,892	6,585,278
C & P TEL CO OF WASH	13,943,018	14,245,740	14,411,164	14,738,031	15,618,948	15,688,462	15,759,008	16,569,233
NEW ENGLAND TEL - RI	7,307,693	7,472,771	7,637,849	7,817,499	8,106,693	8,329,266	8,219,671	8,319,996
GTE HAWAIIAN TEL. CO	0	0	7,460,836	7,395,319	7,760,861	9,002,161	9,022,009	9,438,413
PUERTO RICO TEL CO	0	0	0	0	7,806,725	7,987,963	8,937,106	9,746,394
AVERAGE SCHEDULE CO.	0	0	0	0	20,295,800	22,672,400	20,022,500	28,621,900
ALL OTHER COST CO.	0	0	0	0	56,319,300	62,968,700	67,136,300	67,980,830

- Beginning in June 1986 outward WATS minutes are excluded

TABLE 4.15

LOCAL DIAL EQUIPMENT MINUTES,
BY COMPANY (IN 000'S)

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	4,513,528	4,642,356	4,771,184	4,882,278	5,002,057	4,792,715	4,952,286	5,180,211
NEW ENGLAND TEL-MA	38,574,742	39,716,541	40,721,636	41,506,206	43,380,280	43,612,281	43,012,791	43,737,037
NEW ENGLAND TEL-NH	4,118,325	4,249,991	4,381,658	4,489,644	4,910,858	4,976,892	5,020,098	5,175,441
SOUTHERN NEW ENGLAND	20,071,101	20,110,437	20,319,009	20,618,235	20,983,743	21,594,733	23,300,306	23,299,009
NEW ENGLAND TEL-VT	1,981,366	2,116,238	2,251,110	2,355,182	2,355,504	2,319,250	2,296,468	2,241,858
CONTEL OF NY, INC	1,494,484	1,586,260	1,624,649	1,672,416	1,720,660	1,763,524	1,816,248	1,641,826
ROCHESTER TEL CORP	0	0	0	0	5,719,806	5,939,486	5,981,000	6,133,394
NEW YORK TEL CO	110,824,494	115,845,571	119,478,434	125,487,260	134,850,271	143,167,334	144,618,735	145,764,728
UNITED TEL - NJ, INC	0	571,372	583,045	602,626	663,416	737,315	678,308	742,274
NEW JERSEY BELL	44,712,272	46,131,631	45,646,398	46,076,798	47,181,128	46,150,813	45,781,592	45,717,784
GTE NORTH INC. - PA	170,843	182,730	201,418	225,167	4,955,785	4,003,277	5,419,644	5,621,626
UTC OF PENNSYLVANIA	2,242,979	2,331,149	2,345,184	2,391,406	2,554,047	2,587,573	2,618,311	2,604,262
BELL OF PENNSYLVANIA	66,682,148	68,624,448	70,476,803	70,438,228	69,276,567	66,363,106	70,331,698	71,045,728
C & P TEL CO OF MD	36,679,689	38,385,402	40,441,811	41,645,800	41,732,435	40,546,858	41,880,385	42,774,836
CONTEL OF VIRGINIA	0	2,251,776	2,375,104	2,468,393	2,843,493	3,057,223	3,256,535	3,463,577
CENTEL OF VIRGINIA	1,945,582	2,020,015	2,160,976	2,209,046	2,145,700	2,325,941	2,363,793	2,376,022
GTE SOUTH INC. - VA	412,819	413,641	456,669	436,727	439,999	516,040	449,467	438,165
UNITED INTER-MT-VA	1,130,721	1,130,762	1,138,486	1,175,083	1,034,421	963,562	970,859	988,220
C & P TEL CO OF VA	29,780,356	30,012,720	30,993,812	32,450,571	33,327,288	34,263,443	35,566,171	36,940,347
GTE SOUTH INC. - WV	699,587	695,095	795,622	783,651	789,880	898,579	784,196	766,423
C & P TEL CO OF WV	10,095,256	10,245,283	10,164,221	10,216,428	10,279,221	10,301,471	10,259,219	10,590,141
GTE FLORIDA INC.	10,846,227	11,207,147	12,689,673	13,582,525	14,291,918	15,544,596	16,479,556	15,811,575
CENTEL OF FLORIDA	1,648,642	1,672,735	1,739,463	1,931,263	2,101,123	2,180,268	2,443,025	2,640,565
UTC OF FLORIDA	0	5,339,613	5,784,159	5,961,057	6,527,727	6,980,705	7,581,921	8,121,466
SOUTHERN BELL-FL	43,262,335	44,463,520	46,549,288	49,205,750	50,946,667	52,286,249	52,769,241	55,212,151
GTE SOUTH INC. - GA	1,834,390	2,014,531	2,092,251	2,167,173	2,168,934	2,566,337	2,349,948	2,373,516
SOUTHERN BELL-GA	36,244,370	36,938,993	36,956,261	39,128,107	41,879,083	43,161,141	43,956,605	45,029,727
CAROLINA TEL & TEL	7,388,362	7,445,685	7,764,256	8,023,080	8,498,418	8,814,110	8,988,269	9,237,720
CENTEL OF NC	1,898,366	1,956,614	2,035,657	2,115,755	2,184,700	2,280,917	2,342,276	2,445,714
GTE SOUTH INC. - NC	1,274,528	1,397,960	1,498,384	1,576,345	1,867,277	1,791,188	1,657,849	1,655,436
SOUTHERN BELL-NC	19,080,388	19,108,284	19,288,338	19,696,302	21,480,822	22,590,386	23,546,030	22,618,654
GTE SOUTH INC. - SC	1,191,603	1,335,970	1,315,234	1,371,233	1,497,350	1,933,975	1,558,436	1,570,874
UTC OF THE CAROLINAS	690,751	716,262	710,948	753,991	741,018	792,722	828,202	861,978
SOUTHERN BELL-SC	14,855,959	14,769,559	15,085,487	15,396,999	16,448,426	17,245,819	17,718,278	17,205,990
GTE SOUTH INC. - AL	1,078,960	1,244,812	1,345,172	1,347,139	1,391,548	1,754,821	1,413,387	1,439,790
SO CENTRAL BELL-AL	22,105,838	22,683,351	23,138,321	24,093,295	24,610,448	25,131,672	25,932,481	26,752,690
GTE SOUTH INC. - KY	3,025,878	3,777,443	3,809,040	3,915,869	4,088,526	4,179,282	4,270,038	4,182,317
CINCINNATI BELL-KY	2,179,524	2,204,676	2,245,622	2,258,411	2,277,416	2,336,532	2,326,071	2,391,770
SO CENTRAL BELL-KY	14,542,898	14,554,468	14,748,592	14,849,949	15,655,339	15,945,514	15,159,806	15,496,405
SO CENTRAL BELL-LA	29,161,404	30,897,013	32,373,556	32,950,113	32,796,721	32,421,145	31,905,656	31,389,489
SO CENTRAL BELL-MS	12,731,693	12,758,972	13,298,224	13,561,685	13,919,405	14,861,844	14,787,183	15,261,725

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GTE SOUTH INC. - TN	549,278	543,096	559,708	549,266	567,873	726,516	609,730	607,348
UNITED INTER-MT-TN	2,276,145	2,336,028	2,306,390	2,328,409	2,280,291	2,353,250	2,459,811	2,575,775
SO. CENTRAL BELL -TN	29,694,880	29,113,801	29,793,836	30,038,453	31,137,621	32,352,780	33,664,863	34,701,545
GTE NORTH INC. - OH	5,702,847	6,456,432	6,574,091	6,663,704	7,090,769	8,958,897	7,506,384	7,502,607
CENDEL OF OHIO	0	730,097	695,196	704,671	740,366	765,184	768,115	682,900
UTC OF OHIO	4,068,201	4,167,892	4,212,345	4,149,962	4,307,463	4,450,958	4,682,698	4,694,468
CINCINNATI BELL-OH	11,370,809	11,024,703	11,295,717	11,470,662	12,173,295	11,803,633	11,792,093	11,775,709
OHIO BELL TEL CO	50,351,530	49,607,580	50,024,755	51,757,398	54,218,560	53,487,846	50,410,045	50,686,807
GTE NORTH INC. - MI	4,139,113	4,534,839	4,535,512	4,521,997	5,777,863	5,924,288	4,757,796	4,776,359
MICHIGAN BELL TEL CO	56,871,261	56,667,348	56,340,061	57,464,171	58,012,062	57,219,830	58,186,528	59,068,197
GTE NORTH INC. - IN	5,524,422	5,905,646	6,012,326	6,216,814	6,788,529	8,264,047	6,946,289	7,109,629
UTC OF INDIANA	1,266,664	1,322,972	1,392,948	1,365,961	1,440,710	1,433,315	1,481,146	1,510,265
INDIANA BELL TEL CO	22,911,391	22,662,496	23,406,142	23,298,239	23,749,071	23,543,409	23,483,220	23,476,384
GTE NORTH INC. - WI	2,454,307	2,724,603	2,779,897	2,783,071	2,835,514	3,626,017	2,943,002	2,926,291
WISCONSIN BELL	21,541,487	20,668,575	21,083,811	20,825,534	20,961,279	21,486,760	21,678,189	21,117,002
CENDEL OF ILLINOIS	0	2,046,485	2,100,342	2,126,227	2,174,638	2,067,248	2,032,712	1,992,356
GTE NORTH INC. - IL	4,219,892	5,073,945	5,143,785	5,267,921	5,605,055	6,958,488	5,318,964	5,153,578
ILLINOIS BELL TEL CO	70,185,973	70,593,405	72,400,690	73,281,679	78,018,209	80,018,384	79,497,515	78,156,842
GTE NORTH INC. - IA	716,182	766,251	814,837	824,535	884,134	3,671,151	815,589	778,654
UTC OF IOWA	0	473,371	491,913	497,804	485,660	495,232	487,514	483,472
NORTHWESTERN BELL-IA	10,879,248	10,601,791	10,829,114	10,872,073	11,243,986	11,001,119	11,087,957	10,603,761
GTE NORTH INC. - MN	22,498	- 24,117	24,777	24,273	23,521	178,255	21,837	20,502
CENDEL OF MN	597,952	641,863	668,602	720,340	724,767	766,734	787,456	808,239
UTC OF MINNESOTA	0	786,298	822,156	864,230	876,902	960,574	989,473	1,008,390
NORTHWESTERN BELL-MN	21,404,079	21,283,410	22,497,479	23,488,720	24,490,091	24,293,079	24,737,951	24,019,190
GTE NORTH INC. - NE	328,279	331,425	375,787	390,747	397,392	383,750	370,107	359,119
LINCOLN TEL & TEL CO	1,923,116	1,950,750	2,035,625	2,148,287	2,254,255	2,278,543	2,277,149	2,309,279
UTC OF THE WEST-NE	0	225,819	224,670	232,046	212,495	232,220	227,248	235,010
NORTHWESTERN BELL-NE	5,511,990	5,594,880	5,847,723	6,042,953	6,639,512	6,222,227	6,166,858	6,062,108
NORTHWESTERN BELL-ND	2,713,941	2,767,111	2,915,644	2,912,502	3,005,903	2,928,214	2,822,722	2,730,628
NORTHWESTERN BELL-SD	2,400,660	2,377,861	2,457,410	2,467,895	2,580,419	2,611,484	2,606,229	2,480,736
UTC OF ARKANSAS	127,680	127,513	130,174	127,453	131,546	135,053	126,775	124,150
GTE SOUTHWEST INC-AR	593,649	686,709	699,243	647,629	1,530,904	945,072	743,844	701,957
SOUTHWESTERN BELL-AR	8,513,605	8,383,415	8,657,969	9,045,151	9,558,759	9,648,155	9,754,987	9,810,591
UTC OF KANSAS	473,442	471,503	482,806	495,885	489,453	479,740	450,518	454,336
SOUTHWESTERN BELL-KS	12,061,420	11,736,565	11,939,447	12,303,799	12,492,728	13,082,685	13,101,980	12,743,843
GTE NORTH INC. - MO	728,344	797,564	839,013	857,438	895,457	913,082	911,085	850,502
UTC OF MISSOURI	1,185,508	1,214,915	1,292,753	1,310,798	1,323,084	1,326,683	1,305,694	1,362,674
SOUTHWESTERN BELL-MO	28,915,911	28,856,561	30,046,802	29,706,300	30,889,140	31,892,613	32,596,184	32,999,818
GTE SOUTHWEST INC-OK	757,827	886,835	952,664	880,043	2,073,079	1,358,901	1,068,347	962,216
SOUTHWESTERN BELL-OK	15,946,633	16,142,576	17,099,619	17,696,832	17,460,114	17,166,135	16,928,804	16,483,273

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GTE SOUTHWEST INC-TX	8,560,980	10,093,519	10,428,489	9,928,150	23,136,159	15,134,036	12,281,719	12,107,146
UTC OF TEXAS INC	0	0	721,931	745,401	741,121	740,034	799,971	820,475
CENTEL OF TEXAS	942,070	987,760	1,120,301	1,177,923	1,249,872	1,324,467	1,354,594	1,317,095
CONTEL OF TEXAS	844,285	877,137	952,698	999,840	1,081,504	1,118,527	1,172,857	1,232,615
SOUTHWESTERN BELL-TX	80,721,212	85,089,990	92,339,105	95,696,173	97,578,677	102,656,897	104,580,091	101,625,439
MOUNTAIN BELL - AZ	15,584,317	16,565,590	16,698,491	17,828,677	19,184,921	20,610,316	22,182,883	22,823,158
MOUNTAIN BELL-CO	19,545,165	20,673,872	22,270,279	22,016,287	22,261,892	22,788,790	22,840,184	23,120,086
GTE NORTHWEST INC-ID	510,207	545,412	542,521	565,742	593,214	620,685	615,497	638,503
MOUNTAIN BELL-ID	3,388,039	3,487,223	3,565,347	3,518,012	3,515,802	3,498,350	3,468,345	3,406,568
PACIFIC NW BELL-ID	285,187	281,735	279,203	291,942	295,915	297,307	284,526	276,238
GTE NORTHWEST INC-MT	44,747	52,034	50,140	59,469	60,365	61,261	59,629	58,406
MOUNTAIN BELL-MT	2,816,147	2,779,264	2,864,462	2,870,688	2,971,842	2,978,324	3,042,205	2,902,217
GTE SOUTHWEST INC-NM	379,749	459,795	480,225	399,775	859,555	516,598	419,375	410,531
MOUNTAIN BELL-NM	6,353,651	6,291,930	6,360,725	6,582,005	6,832,567	7,057,675	7,411,937	7,569,161
MOUNTAIN BELL-UT	8,757,669	8,813,989	9,230,862	9,621,559	10,027,620	10,051,251	10,232,334	10,123,151
UTC OF THE WEST-WY	0	44,553	44,214	45,390	46,061	44,991	43,188	44,203
MOUNTAIN BELL-WY	2,621,075	2,120,276	2,225,671	2,128,196	2,083,871	2,122,211	2,064,328	1,894,367
UTC OF THE NW-WA	302,743	309,423	319,723	324,011	319,609	334,714	323,425	330,013
GTE NORTHWEST INC-WA	3,665,944	3,916,296	4,014,695	4,172,178	4,470,118	4,768,059	5,169,924	5,549,899
PACIFIC NW BELL-WA	19,021,381	19,399,936	19,393,959	20,372,133	20,445,902	19,842,732	21,168,721	21,452,707
UTC OF THE NW - OR	252,438	257,420	249,103	257,541	268,347	336,365	298,698	330,837
GTE NORTHWEST INC-OR	1,862,754	2,376,559	2,401,625	2,508,705	2,661,338	2,813,972	2,843,639	2,952,710
PACIFIC NW BELL-OR	11,468,403	11,397,319	10,980,335	11,398,052	10,110,593	10,651,496	10,895,482	10,694,863
CONTEL OF CALIFORNIA	1,422,726	1,467,587	1,543,603	1,572,809	1,645,032	1,762,637	1,834,248	1,884,014
GTC OF CALIFORNIA	25,503,496	27,888,290	29,200,875	30,864,953	31,129,279	31,876,281	32,523,471	33,864,081
WEST COAST TEL OF CA	48,480	59,349	61,174	66,256	68,612	66,892	66,529	72,489
PACIFIC BELL	131,286,664	134,695,786	139,028,393	142,332,937	142,506,508	144,801,816	145,424,193	148,611,270
CENTEL OF NV	3,158,671	3,317,244	3,359,959	3,455,307	3,381,496	3,705,701	4,158,818	4,307,118
NEVADA BELL	1,600,926	1,669,716	1,759,583	1,823,919	1,902,635	1,906,888	1,955,837	2,103,433
DIAMOND STATE TEL	4,168,874	4,223,911	4,214,206	4,356,202	4,466,081	4,379,185	4,674,729	5,088,713
C & P TEL CO OF WASH	12,045,153	12,274,859	12,438,958	12,670,231	13,161,515	12,616,117	12,802,759	13,580,930
NEW ENGLAND TEL - RI	6,294,928	6,410,899	6,526,870	6,638,871	6,795,192	6,765,419	6,651,566	6,604,554
GTE HAWAIIAN TEL. CO	0	0	6,788,409	6,645,671	6,992,440	7,956,394	7,858,106	7,829,493
PUERTO RICO TEL CO	0	0	0	0	6,598,741	6,470,572	7,186,926	7,574,335
AVERAGE SCHEDULE CO.	0	0	0	0	14,397,100	15,909,300	13,948,400	19,596,000
ALL OTHER COST CO.	0	0	0	0	39,950,800	44,185,100	46,769,600	46,652,578

- GTE'S DEM MINUTES ARE WEIGHTED

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NEW ENGLAND TEL-ME	607,294	640,919	674,544	730,642	797,002	916,369	949,327	1,061,955
NEW ENGLAND TEL-MA	3,830,989	4,006,967	4,182,945	4,512,816	5,138,012	5,973,708	6,842,891	7,992,170
NEW ENGLAND TEL-NH	468,650	508,558	548,466	611,076	686,512	787,636	942,367	1,077,700
SOUTHERN NEW ENGLAND	2,462,911	2,596,238	2,756,719	2,867,289	3,013,862	3,307,838	3,641,306	4,069,445
NEW ENGLAND TEL-VT	273,190	284,721	296,252	314,739	341,399	356,835	405,331	433,534
CONTEL OF NY, INC	377,385	421,488	452,299	488,871	556,546	633,222	695,176	663,730
ROCHESTER TEL CORP	0	0	0	0	533,287	569,251	617,081	682,623
NEW YORK TEL CO	4,886,837	5,194,639	5,552,564	6,134,268	6,498,827	6,653,036	7,637,548	8,697,681
UNITED TEL - NJ, INC	0	353,069	378,442	409,631	458,504	572,130	669,003	734,198
NEW JERSEY BELL	10,194,701	10,641,782	11,336,223	12,357,451	14,209,161	15,230,936	16,891,133	18,813,429
GTE NORTH INC. - PA	61,167	70,931	80,646	85,577	1,043,811	1,208,147	1,237,376	1,361,683
UTC OF PENNSYLVANIA	423,916	449,207	464,354	493,686	585,990	623,371	693,364	764,709
BELL OF PENNSYLVANIA	4,568,639	4,909,148	5,224,948	5,526,149	8,062,207	9,635,335	7,752,118	8,217,258
C & P TEL CO OF MD	1,127,149	1,196,776	1,254,382	1,305,138	1,394,495	1,590,471	1,779,045	2,367,555
CONTEL OF VIRGINIA	0	426,992	465,696	486,539	570,013	771,324	789,436	1,002,930
CENTEL OF VIRGINIA	248,231	275,155	293,689	310,234	359,094	343,632	350,013	419,886
GTE SOUTH INC. - VA	70,722	77,449	83,602	80,142	90,875	120,181	104,088	112,393
UNITED INTER-MT-VA	0	83,686	86,793	87,001	99,816	112,841	119,264	119,989
C & P TEL CO OF VA	1,588,923	1,674,972	1,752,517	1,826,539	2,182,925	2,698,694	2,766,194	2,883,602
GTE SOUTH INC. - WV	131,589	138,760	152,993	154,382	180,570	239,485	208,642	221,576
C & P TEL CO OF WV	749,251	787,193	807,210	791,140	930,154	1,127,166	1,078,878	970,752
GTE FLORIDA INC.	1,456,307	1,575,669	1,788,369	1,859,235	2,531,172	2,931,838	3,332,504	3,609,310
CENTEL OF FLORIDA	176,867	187,408	212,303	235,218	264,229	316,954	387,773	399,033
UTC OF FLORIDA	0	751,426	848,952	993,365	1,104,224	1,389,793	1,450,702	1,444,653
SOUTHERN BELL-FL	2,845,355	3,153,575	3,455,881	3,726,445	5,020,309	6,239,152	7,643,551	7,776,320
GTE SOUTH INC.- GA	473,159	535,813	549,909	588,828	641,041	856,776	823,896	922,261
SOUTHERN BELL-GA	1,785,058	1,889,880	1,987,666	2,023,693	2,496,022	3,108,951	3,110,201	3,437,608
CAROLINA TEL & TEL	877,130	912,589	950,173	1,032,740	1,154,996	1,347,741	1,479,775	1,504,349
CENTEL OF NC	232,588	251,361	257,315	278,990	398,331	337,655	366,707	413,781
GTE SOUTH INC - NC	207,392	222,737	239,964	268,869	286,270	388,923	402,965	431,959
SOUTHERN BELL-NC	1,631,957	1,766,216	1,870,619	1,973,481	2,346,175	2,736,776	3,083,320	3,110,609
GTE SOUTH INC. - SC	268,533	295,145	299,006	315,135	364,478	521,712	437,388	481,426
UTC OF THE CAROLINAS	0	68,234	69,503	73,517	94,729	111,480	116,469	115,142
SOUTHERN BELL-SC	781,931	837,886	846,256	867,709	1,073,115	1,285,104	1,369,599	1,465,134
GTE SOUTH INC. - AL	230,014	262,299	280,733	296,428	343,878	443,329	376,724	416,024
SO CENTRAL BELL-AL	1,094,713	1,161,585	1,213,248	1,252,281	1,460,439	1,684,132	1,826,713	1,936,041
GTE SOUTH INC. - KY	435,404	538,130	553,468	564,301	575,689	675,860	776,030	944,820
CINCINNATI BELL-KY	43,462	42,207	47,919	55,067	59,449	76,077	75,971	82,980
SO CENTRAL BELL-KY	774,937	800,594	805,033	825,109	974,177	1,064,132	1,156,885	1,245,239
SO CENTRAL BELL-LA	1,848,700	2,065,734	2,207,224	2,210,188	2,900,100	3,194,533	2,844,749	2,751,916
SO CENTRAL BELL-MS	949,237	982,022	1,025,662	1,080,952	1,293,617	1,465,415	1,514,310	1,690,186

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GTE SOUTH INC. - TN	91,005	96,690	123,425	130,304	145,969	215,515	179,425	198,655
UNITED INTER-MT-TN	0	145,746	151,701	161,086	229,255	275,292	309,987	295,728
SO. CENTRAL BELL -TN	1,325,105	1,429,352	1,510,456	1,567,055	1,961,068	2,327,188	2,490,419	2,739,602
GTE NORTH INC. - OH	1,769,807	2,045,044	2,128,085	2,140,824	2,215,175	2,978,267	2,511,506	2,792,925
CENTEL OF OHIO	0	86,733	88,979	87,181	89,899	101,771	116,635	192,054
UTC OF OHIO	699,889	750,319	791,471	821,221	875,626	950,150	986,572	1,081,316
CINCINNATI BELL-OH	277,712	293,672	329,866	349,035	355,594	537,460	529,636	583,430
OHIO BELL TEL CO	2,942,625	2,958,658	3,022,524	3,076,803	3,739,579	4,391,612	4,845,618	4,912,200
GTE NORTH INC. - MI	2,013,529	2,211,914	2,214,986	2,253,779	3,002,845	3,268,096	2,713,316	2,754,811
MICHIGAN BELL TEL CO	5,269,534	5,535,674	5,615,334	5,863,891	7,819,813	9,908,487	10,031,836	9,755,775
GTE NORTH INC. - IN	946,483	1,082,728	1,139,558	1,188,131	1,288,112	1,723,526	1,461,662	1,599,685
UTC OF INDIANA	247,600	264,134	276,399	289,539	335,712	352,279	373,764	399,142
INDIANA BELL TEL CO	1,249,929	1,316,610	1,384,808	1,430,469	1,745,752	1,974,978	2,056,149	2,176,351
GTE NORTH INC. - WI	1,018,398	1,143,802	1,197,617	1,228,116	1,263,528	1,670,148	1,384,848	1,467,896
WISCONSIN BELL	1,498,433	1,587,790	1,689,031	1,731,619	1,879,959	2,043,957	2,158,412	2,301,000
CENTEL OF ILLINOIS	0	180,916	185,198	192,240	217,201	228,751	252,323	284,171
GTE NORTH INC. - IL	2,054,697	2,579,589	2,752,656	2,772,130	2,854,248	2,928,210	3,002,171	3,181,692
ILLINOIS BELL TEL CO	2,790,901	2,787,755	2,838,036	2,997,045	3,461,162	3,593,255	3,807,459	3,724,651
GTE NORTH INC. - IA	404,320	461,919	491,328	525,401	524,844	1,387,282	547,304	578,463
UTC OF IOWA	0	111,547	120,308	122,293	131,561	146,576	147,484	160,151
NORTHWESTERN BELL-IA	1,147,245	1,202,196	1,254,510	1,287,712	1,339,035	1,437,483	1,517,061	1,598,836
GTE NORTH INC. - MN	14,008	16,388	18,331	20,047	19,302	111,126	18,903	19,866
CENTEL OF MN	76,190	83,634	90,434	98,834	103,908	114,320	120,098	140,215
UTC OF MINNESOTA	0	112,953	123,088	132,169	141,295	166,375	173,664	183,728
NORTHWESTERN BELL-MN	1,132,969	1,200,320	1,279,068	1,357,711	1,516,590	1,754,456	1,843,026	1,993,295
GTE NORTH INC. - NE	136,494	147,308	173,351	184,294	191,152	202,487	213,821	231,157
LINCOLN TEL & TEL CO	281,175	299,881	329,033	339,257	358,462	357,440	356,330	420,001
UTC OF THE WEST-NE	0	20,624	21,787	23,028	22,774	28,550	26,855	25,482
NORTHWESTERN BELL-NE	378,570	404,453	430,088	452,228	556,714	503,039	517,877	554,575
NORTHWESTERN BELL-ND	281,200	307,504	320,539	324,811	360,113	410,186	402,090	394,960
NORTHWESTERN BELL-SD	273,420	289,120	306,493	317,986	343,844	387,891	395,959	433,452
UTC OF ARKANSAS	26,039	0	26,277	26,812	27,584	31,158	31,967	33,515
GTE SOUTHWEST INC-AR	217,569	242,148	232,513	220,325	495,548	353,459	285,238	303,101
SOUTHWESTERN BELL-AR	881,219	940,794	948,497	971,418	1,082,071	1,155,875	1,198,874	1,340,548
UTC OF KANSAS	137,789	0	144,670	147,607	144,976	157,179	151,101	153,469
SOUTHWESTERN BELL-KS	1,175,875	1,291,522	1,301,360	1,319,726	1,464,954	1,531,882	1,526,923	1,632,602
GTE NORTH INC. - MO	295,928	347,430	348,233	361,144	358,577	421,218	436,331	472,691
UTC OF MISSOURI	318,108	337,421	345,327	350,149	361,560	399,234	403,902	432,745
SOUTHWESTERN BELL-MO	1,557,561	1,616,769	1,631,384	1,592,922	1,755,498	1,955,040	2,040,331	2,239,300
GTE SOUTHWEST INC-OK	358,948	440,948	464,878	448,656	1,002,494	658,630	505,548	516,503
SOUTHWESTERN BELL-OK	1,723,453	1,928,889	2,099,821	2,116,230	2,256,500	2,425,955	2,321,102	2,289,076

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	2,826,598	3,395,137	3,542,360	3,366,959	7,794,429	5,353,650	4,424,142	4,878,705
UTC OF TEXAS INC	0	0	545,215	544,974	631,937	345,356	346,243	351,163
CENTEL OF TEXAS	144,001	156,466	198,838	298,610	249,498	264,715	279,095	313,398
CONTEL OF TEXAS	309,931	364,361	410,108	417,840	485,794	542,342	558,422	609,538
SOUTHWESTERN BELL-TX	6,984,194	7,866,492	8,534,288	8,299,948	12,889,495	14,184,440	13,925,107	13,247,392
MOUNTAIN BELL - AZ	773,173	854,095	899,953	894,903	1,184,770	1,455,272	1,726,277	1,965,380
MOUNTAIN BELL-CO	1,198,914	1,340,764	1,464,981	1,519,353	1,892,803	2,178,513	2,366,840	2,601,892
GTE NORTHWEST INC-ID	139,431	153,472	155,834	164,986	184,270	203,553	207,765	216,016
MOUNTAIN BELL-ID	367,713	383,959	390,840	407,341	488,503	550,562	554,454	566,591
PACIFIC NW BELL-ID	28,895	29,023	29,778	31,820	34,841	35,835	37,003	38,534
GTE NORTHWEST INC-MT	15,120	16,649	16,170	17,351	18,700	20,049	20,701	21,273
MOUNTAIN BELL-MT	440,074	463,298	479,170	511,165	556,319	583,396	637,772	643,321
GTE SOUTHWEST INC-NM	64,539	80,371	92,478	82,659	194,845	120,790	83,425	82,013
MOUNTAIN BELL-NM	413,868	443,550	485,720	494,732	601,606	622,241	679,962	723,934
MOUNTAIN BELL-UT	607,973	662,798	649,724	653,533	759,408	859,762	931,975	985,369
UTC OF THE WEST-WY	0	6,487	6,061	6,374	6,116	7,647	7,668	7,395
MOUNTAIN BELL-WY	295,670	288,983	292,547	276,788	318,403	366,885	353,934	347,691
UTC OF THE NW-WA	117,733	119,359	126,657	134,617	130,314	145,941	149,268	153,238
GTE NORTHWEST INC-WA	871,391	925,055	995,260	1,083,720	1,174,080	1,264,439	1,358,185	1,517,504
PACIFIC NW BELL-WA	1,707,320	1,862,792	1,960,852	2,107,864	2,487,227	3,300,165	2,805,147	3,153,277
UTC OF THE NW - OR	108,188	110,267	108,367	113,236	114,335	137,405	124,490	123,686
GTE NORTHWEST INC-OR	484,819	585,171	584,560	601,996	609,312	616,627	651,515	730,289
PACIFIC NW BELL-OR	1,188,001	1,121,697	1,253,644	1,312,778	1,406,290	1,545,506	1,635,618	1,768,698
CONTEL OF CALIFORNIA	528,928	583,532	616,939	649,199	690,091	769,786	836,929	924,522
GTC OF CALIFORNIA	9,998,346	11,502,696	11,787,687	11,975,598	9,544,871	12,227,424	13,646,581	14,999,242
WEST COAST TEL OF CA	30,659	34,540	32,470	31,165	32,068	33,597	35,365	40,508
PACIFIC BELL	23,822,945	25,456,583	26,028,145	27,838,082	32,715,188	36,590,160	39,944,360	42,655,764
CENTEL OF NV	44,757	49,656	50,865	57,725	49,180	55,239	66,674	76,155
NEVADA BELL	80,856	90,660	91,294	95,978	114,861	146,621	176,915	164,440
DIAMOND STATE TEL	112,942	120,355	126,498	143,724	283,776	380,753	202,997	225,821
C & P TEL CO OF WASH	0	0	0	0	0	0	0	0
NEW ENGLAND TEL - RI	308,779	321,939	335,099	349,461	371,858	404,467	453,897	484,153
GTE HAWAIIAN TEL. CO	0	0	380,208	414,079	447,950	486,792	525,634	536,947
PUERTO RICO TEL CO	0	0	0	0	704,200	890,926	1,017,443	1,305,727
AVERAGE SCHEDULE CO.	0	0	0	0	3,756,600	4,321,600	3,888,200	5,807,800
ALL OTHER COST CO.	0	0	0	0	10,424,300	12,002,500	13,037,200	13,880,087

- GTE'S DEM MINUTES ARE WEIGHTED

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NEW ENGLAND TEL-ME	481,232	529,080	576,927	643,697	742,498	897,070	1,036,954	1,065,457
NEW ENGLAND TEL-MA	4,000,151	4,339,592	4,679,033	4,970,845	6,555,249	7,551,389	8,415,414	8,886,005
NEW ENGLAND TEL-NH	806,688	877,109	956,972	1,073,885	1,279,451	1,566,429	1,876,837	1,983,773
SOUTHERN NEW ENGLAND	2,845,808	2,996,794	3,135,400	3,425,079	4,214,299	5,062,052	5,517,896	6,000,325
NEW ENGLAND TEL-VT	392,561	420,731	448,901	490,731	566,573	631,968	715,032	804,307
CONTEL OF NY, INC	132,050	146,814	158,648	173,657	205,253	254,046	290,771	284,486
ROCHESTER TEL CORP	0	0	0	0	458,813	534,534	617,566	661,405
NEW YORK TEL CO	10,951,040	11,793,369	12,968,685	14,543,220	18,537,353	22,079,790	24,005,266	25,544,060
UNITED TEL - NJ, INC	0	142,699	152,963	171,269	193,581	255,092	286,055	345,930
NEW JERSEY BELL	7,180,151	7,573,124	8,021,729	8,783,718	10,634,140	13,143,557	13,356,233	14,823,791
GTE NORTH INC. - PA	23,906	28,448	31,670	32,985	744,683	694,347	984,797	1,169,560
UTC OF PENNSYLVANIA	192,534	209,889	213,853	228,291	295,613	330,012	363,440	412,186
BELL OF PENNSYLVANIA	5,524,171	5,869,291	6,295,701	6,971,770	8,828,781	10,509,562	10,175,410	10,901,863
C & P TEL CO OF MD	2,832,780	2,981,293	3,096,583	3,346,386	3,872,145	4,748,721	5,439,027	6,262,652
CONTEL OF VIRGINIA	0	303,651	331,357	357,602	483,365	604,009	729,320	932,523
CENDEL OF VIRGINIA	214,498	231,961	247,944	277,926	298,565	356,143	385,920	452,836
GTE SOUTH INC. - VA	70,085	76,121	80,447	74,928	89,087	113,186	101,625	115,823
UNITED INTER-MT-VA	0	93,398	97,951	102,145	112,911	124,286	133,156	145,611
C & P TEL CO OF VA	2,632,741	2,785,022	2,910,693	3,216,016	4,059,373	4,694,223	5,058,579	5,986,577
GTE SOUTH INC. - WV	165,509	174,781	188,309	187,013	222,355	282,862	273,904	316,167
C & P TEL CO OF WV	812,365	862,245	869,138	910,866	1,054,678	1,178,908	1,261,390	1,394,003
GTE FLORIDA INC.	1,912,279	2,172,483	2,538,834	2,627,321	3,064,132	3,641,052	4,217,972	4,729,525
CENDEL OF FLORIDA	197,031	220,033	246,498	275,439	299,574	357,737	447,805	527,055
UTC OF FLORIDA	0	895,484	1,004,883	1,077,248	1,115,222	1,388,248	1,611,912	1,880,835
SOUTHERN BELL-FL	4,630,497	5,038,943	5,530,504	6,194,662	7,382,908	8,395,685	9,713,552	11,601,631
GTE SOUTH INC. - GA	265,872	298,693	299,437	320,816	363,361	500,179	492,594	581,867
SOUTHERN BELL-GA	3,363,465	3,632,361	3,886,046	4,078,412	4,805,664	5,635,108	6,350,719	7,463,353
CAROLINA TEL & TEL	620,701	653,659	697,556	787,820	928,639	1,161,454	1,338,642	1,668,799
CENDEL OF NC	126,729	139,369	141,794	160,773	251,204	214,546	244,214	288,353
GTE SOUTH INC - NC	184,068	219,931	241,497	284,760	303,709	477,794	482,192	555,970
SOUTHERN BELL-NC	1,551,054	1,743,001	1,855,623	2,057,744	2,383,923	2,756,473	3,189,764	3,999,832
GTE SOUTH INC. - SC	264,257	307,840	315,139	352,371	364,958	591,067	539,360	722,631
UTC OF THE CAROLINAS	0	74,776	80,845	86,832	103,325	112,586	115,255	136,633
SOUTHERN BELL-SC	1,059,627	1,168,718	1,247,990	1,394,185	1,587,494	1,734,012	2,291,694	2,684,474
GTE SOUTH INC. - AL	220,799	261,306	274,245	290,207	349,932	463,271	423,622	488,325
SO CENTRAL BELL-AL	1,497,743	1,603,292	1,674,554	1,780,567	2,148,876	2,829,012	3,104,312	3,220,343
GTE SOUTH INC. - KY	454,062	577,755	589,743	580,402	640,938	820,657	1,000,376	1,231,780
CINCINNATI BELL-KY	97,102	100,990	118,896	148,218	160,033	234,271	235,492	254,409
SO CENTRAL BELL-KY	1,048,232	1,095,569	1,125,577	1,165,423	1,416,849	1,715,259	1,912,517	2,016,297
SO CENTRAL BELL-LA	1,911,256	2,108,510	2,247,591	2,411,470	2,886,059	3,604,593	3,601,947	3,534,726
SO CENTRAL BELL-MS	1,072,552	1,152,060	1,203,661	1,278,256	1,476,806	1,939,545	2,190,422	2,296,179

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GTE SOUTH INC. - TN	69,856	81,911	105,588	110,493	118,573	195,484	159,068	175,574
UNITED INTER-MT-TN	0	185,740	196,934	207,788	226,524	273,800	291,307	366,515
SO. CENTRAL BELL -TN	2,069,105	2,245,223	2,531,794	2,787,260	3,578,415	4,357,912	4,716,573	5,010,568
GTE NORTH INC. - OH	859,755	998,700	999,173	1,011,295	1,135,004	1,572,517	1,432,998	1,692,922
CENTEL OF OHIO	0	44,157	46,754	47,637	63,456	76,927	85,988	111,711
UTC OF OHIO	323,585	346,944	375,648	404,453	464,514	560,625	581,141	675,871
CINCINNATI BELL-OH	653,777	697,353	799,596	851,738	924,167	1,588,109	1,610,516	1,646,406
OHIO BELL TEL CO	3,392,011	3,535,328	3,872,616	4,176,169	5,209,362	5,486,147	6,889,191	7,121,220
GTE NORTH INC. - MI	573,072	652,371	675,526	697,437	1,021,948	1,143,617	1,014,591	1,109,094
MICHIGAN BELL TEL CO	3,321,958	3,426,943	3,683,537	3,896,599	5,066,059	6,272,655	7,012,049	7,367,335
GTE NORTH INC. - IN	947,591	1,112,165	1,123,352	1,159,988	1,340,567	1,885,218	1,709,003	1,870,382
UTC OF INDIANA	145,549	166,703	173,543	183,417	195,895	206,149	222,994	258,786
INDIANA BELL TEL CO	1,779,795	1,907,751	2,036,134	2,220,221	2,547,018	3,310,054	3,310,792	3,641,181
GTE NORTH INC. - WI	508,550	577,150	587,705	613,829	677,149	925,964	783,211	845,328
WISCONSIN BELL	1,521,834	1,644,665	1,814,035	1,979,074	2,447,595	2,953,633	3,204,192	3,403,980
CENTEL OF ILLINOIS	0	223,332	218,271	244,077	275,153	298,729	375,091	509,716
GTE NORTH INC. - IL	799,582	1,053,437	1,117,143	1,141,142	1,165,140	1,189,138	1,280,033	1,508,036
ILLINOIS BELL TEL CO	6,488,720	6,667,386	6,872,674	7,600,472	9,526,466	10,828,073	11,018,014	12,390,143
GTE NORTH INC. - IA	157,514	194,178	206,401	220,447	235,911	643,050	265,962	288,609
UTC OF IOWA	0	48,633	53,967	57,264	65,644	86,590	92,373	104,281
NORTHWESTERN BELL-IA	1,100,205	1,158,480	1,228,389	1,384,028	1,808,375	2,459,895	2,658,576	2,581,390
GTE NORTH INC. - MN	6,006	7,222	7,834	8,768	8,874	55,665	9,025	9,761
CENTEL OF MN	47,577	53,132	55,491	59,626	71,325	80,588	92,897	104,388
UTC OF MINNESOTA	0	47,620	49,605	54,281	60,250	80,239	92,295	108,930
NORTHWESTERN BELL-MN	1,798,542	1,920,452	1,847,792	2,242,417	2,525,080	3,746,188	4,044,167	4,077,297
GTE NORTH INC. - NE	59,814	64,405	73,310	79,491	88,280	102,495	116,711	156,462
LINCOLN TEL & TEL CO	213,534	226,014	235,231	234,282	289,835	317,463	354,921	430,323
UTC OF THE WEST-NE	0	33,100	34,125	35,093	34,740	44,457	43,267	46,193
NORTHWESTERN BELL-NE	725,184	789,996	819,240	875,469	1,092,993	1,289,615	1,401,125	1,547,053
NORTHWESTERN BELL-ND	298,558	334,594	320,664	365,181	418,177	554,213	580,483	623,182
NORTHWESTERN BELL-SD	300,992	327,845	350,736	383,601	451,104	533,444	678,831	692,265
UTC OF ARKANSAS	17,203	0	19,780	20,191	21,252	25,518	28,908	32,285
GTE SOUTHWEST INC-AR	137,948	160,330	157,286	145,876	333,858	255,787	226,268	265,735
SOUTHWESTERN BELL-AR	823,675	909,055	957,138	1,032,267	1,273,145	1,614,309	1,710,686	1,831,989
UTC OF KANSAS	93,867	0	97,757	105,638	107,939	117,542	125,786	141,626
SOUTHWESTERN BELL-KS	1,160,506	1,271,956	1,322,313	1,458,428	1,774,384	2,161,698	2,300,591	2,591,845
GTE NORTH INC. - MO	157,058	180,001	185,309	207,755	228,747	271,263	309,779	360,789
UTC OF MISSOURI	156,558	174,113	196,240	213,860	197,009	284,125	297,797	319,768
SOUTHWESTERN BELL-MO	2,662,348	2,737,764	2,896,575	3,082,351	3,722,191	4,899,109	4,959,921	5,172,300
GTE SOUTHWEST INC-OK	190,949	229,168	239,521	219,410	504,050	368,848	318,885	376,338
SOUTHWESTERN BELL-OK	1,593,286	1,758,604	1,996,686	2,033,535	2,443,386	2,819,328	2,722,611	2,921,445

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GTE SOUTHWEST INC-TX	1,185,496	1,403,933	1,398,527	1,307,056	3,216,859	2,312,967	2,196,302	3,022,502
UTC OF TEXAS INC	0	0	104,010	96,237	124,148	70,320	73,187	92,894
CENTEL OF TEXAS	115,787	124,399	153,555	137,835	199,066	220,326	272,454	294,646
CONTEL OF TEXAS	69,876	80,541	93,177	93,532	117,683	164,690	161,097	188,446
SOUTHWESTERN BELL-TX	5,462,395	6,303,649	7,266,292	7,703,267	9,653,834	12,694,673	12,462,579	13,112,488
MOUNTAIN BELL - AZ	2,119,201	2,264,055	2,393,610	2,639,521	3,351,450	4,105,610	4,544,338	5,054,728
MOUNTAIN BELL-CO	2,568,955	2,947,492	3,253,427	3,496,208	4,151,030	4,761,213	5,274,369	5,308,743
GTE NORTHWEST INC-ID	227,844	261,253	257,799	270,040	317,984	365,927	374,046	402,185
MOUNTAIN BELL-ID	418,023	448,512	468,383	514,587	636,160	831,983	834,329	867,322
PACIFIC NW BELL-ID	38,262	38,800	38,330	42,280	48,108	53,191	57,234	63,971
GTE NORTHWEST INC-MT	17,350	20,862	20,668	21,901	25,465	29,029	29,545	31,518
MOUNTAIN BELL-MT	406,083	456,997	473,066	474,419	553,432	681,303	678,485	717,032
GTE SOUTHWEST INC-NM	115,801	146,652	158,621	138,427	313,155	189,266	135,996	148,696
MOUNTAIN BELL-NM	701,433	765,658	834,163	888,952	1,058,905	1,343,613	1,487,821	1,640,856
MOUNTAIN BELL-UT	827,790	936,423	983,291	1,240,406	1,384,918	1,825,405	1,805,518	1,739,118
UTC OF THE WEST-WY	0	10,245	9,701	9,602	10,954	13,574	14,917	15,505
MOUNTAIN BELL-WY	466,044	496,682	534,652	527,802	598,193	673,431	675,180	673,240
UTC OF THE NW-WA	52,869	54,717	57,176	62,052	68,681	76,310	77,177	79,263
GTE NORTHWEST INC-WA	552,886	628,476	644,603	691,413	769,003	846,592	931,325	1,189,129
PACIFIC NW BELL-WA	1,750,767	1,929,399	2,054,364	2,211,197	2,647,780	3,698,903	3,706,417	4,023,872
UTC OF THE NW - OR	47,764	49,463	50,180	54,419	60,850	76,142	76,179	76,421
GTE NORTHWEST INC-OR	368,159	466,506	457,082	476,501	509,803	543,104	659,184	790,262
PACIFIC NW BELL-OR	1,205,585	1,287,954	1,304,475	1,312,199	1,870,385	2,839,645	2,341,107	2,468,691
CONTEL OF CALIFORNIA	131,163	139,993	153,124	169,787	184,781	221,760	251,434	327,293
GTC OF CALIFORNIA	2,817,455	3,200,120	3,217,464	3,335,307	2,712,391	4,046,866	4,789,179	5,959,464
WEST COAST TEL OF CA	17,074	20,172	19,370	20,182	22,044	22,279	21,790	23,779
PACIFIC BELL	10,031,438	10,573,128	11,370,185	13,237,335	16,923,240	19,495,440	19,785,340	20,694,757
CENTEL OF NV	730,090	803,243	776,945	791,325	974,933	922,003	1,066,295	1,246,217
NEVADA BELL	376,896	410,934	429,559	490,227	570,265	627,573	648,130	586,770
DIAMOND STATE TEL	629,897	648,772	660,499	715,602	897,633	1,100,698	1,210,965	1,302,487
C & P TEL CO OF WASH	1,324,409	1,396,729	1,499,763	1,769,730	2,447,904	3,336,366	3,495,417	2,870,833
NEW ENGLAND TEL - RI	717,921	762,832	807,743	880,460	1,049,400	1,252,675	1,408,417	1,529,569
GTE HAWAIIAN TEL. CO	0	0	759,395	819,900	880,405	1,111,360	1,342,314	1,953,169
PUERTO RICO TEL CO	0	0	0	0	502,266	625,534	731,158	866,331
AVERAGE SCHEDULE CO.	0	0	0	0	2,422,400	2,855,400	2,632,300	4,025,000
ALL OTHER COST CO.	0	0	0	0	6,722,000	7,930,500	8,826,100	9,241,773

- GTE'S DEM MINUTES ARE WEIGHTED

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	5,602,054	5,812,355	6,022,655	6,256,617	6,541,557	6,606,155	6,938,567	7,307,623
NEW ENGLAND TEL-MA	46,405,881	48,063,099	49,583,614	50,989,867	55,073,542	57,137,378	58,271,096	60,615,213
NEW ENGLAND TEL-NH	5,393,663	5,635,658	5,887,096	6,174,605	6,876,821	7,330,957	7,839,303	8,236,914
SOUTHERN NEW ENGLAND	25,379,820	25,703,469	26,211,128	26,910,604	28,211,905	29,964,623	32,459,507	33,368,779
NEW ENGLAND TEL-VT	2,647,117	2,821,690	2,996,263	3,160,652	3,263,475	3,308,053	3,416,831	3,479,699
CONTEL OF NY, INC	2,003,919	2,154,562	2,235,596	2,334,945	2,482,459	2,650,793	2,802,195	2,590,042
ROCHESTER TEL CORP	0	0	0	0	6,711,906	7,043,271	7,215,647	7,477,422
NEW YORK TEL CO	126,662,370	132,833,579	137,999,684	146,164,748	159,886,451	171,900,160	176,261,550	180,006,470
UNITED TEL - NJ, INC	0	1,067,140	1,114,450	1,183,526	1,315,501	1,564,537	1,633,367	1,822,402
NEW JERSEY BELL	62,087,124	64,346,536	65,004,350	67,217,967	72,024,429	74,525,306	76,028,958	79,355,005
GTE NORTH INC. - PA	255,917	282,108	313,734	343,729	6,744,279	7,277,562	7,641,817	8,152,869
UTC OF PENNSYLVANIA	2,859,429	2,990,245	3,023,391	3,113,383	3,435,650	3,540,957	3,675,114	3,781,157
BELL OF PENNSYLVANIA	76,774,957	79,402,887	81,997,451	82,936,147	86,167,555	86,508,003	88,259,225	90,164,848
C & P TEL CO OF MD	40,639,618	42,563,472	44,792,777	46,297,324	46,999,074	46,886,050	49,098,457	51,405,043
CONTEL OF VIRGINIA	0	2,982,418	3,172,157	3,312,534	3,896,870	4,432,556	4,775,290	5,399,031
CENDEL OF VIRGINIA	2,408,310	2,527,131	2,702,609	2,797,207	2,803,359	3,025,717	3,099,727	3,248,744
GTE SOUTH INC. - VA	553,626	567,211	620,718	591,797	619,961	714,902	655,179	666,380
UNITED INTER-MT-VA	1,130,721	1,307,846	1,323,230	1,364,229	1,247,148	1,200,689	1,223,278	1,253,820
C & P TEL CO OF VA	34,002,021	34,472,714	35,657,022	37,493,125	39,569,587	41,656,360	43,390,944	45,810,525
GTE SOUTH INC. - WV	996,685	1,008,636	1,136,924	1,125,047	1,192,805	1,360,744	1,266,742	1,304,166
C & P TEL CO OF WV	11,656,872	11,894,722	11,840,569	11,918,434	12,264,053	12,607,544	12,599,487	12,954,895
GTE FLORIDA INC.	14,214,813	14,955,299	17,016,876	18,069,081	19,887,223	22,117,486	24,030,031	24,150,410
CENDEL OF FLORIDA	2,022,540	2,080,175	2,198,264	2,441,920	2,664,926	2,854,959	3,278,602	3,566,654
UTC OF FLORIDA	0	6,986,523	7,637,994	8,031,670	8,747,173	9,758,746	10,644,535	11,446,955
SOUTHERN BELL-FL	50,738,187	52,656,039	55,535,673	59,126,857	63,349,884	66,921,086	70,126,344	74,590,102
GTE SOUTH INC. - GA	2,573,421	2,849,036	2,941,597	3,076,818	2,873,336	3,757,258	3,666,438	3,877,644
SOUTHERN BELL-GA	41,392,893	42,461,234	42,829,973	45,230,212	49,180,769	51,905,200	53,417,526	55,930,688
CAROLINA TEL & TEL	8,886,193	9,011,933	9,411,985	9,843,640	10,582,053	11,323,305	11,806,686	12,410,868
CENDEL OF NC	2,257,683	2,347,344	2,434,766	2,555,518	2,834,234	2,833,118	2,953,197	3,147,849
GTE SOUTH INC - NC	1,665,988	1,840,628	1,979,844	2,129,975	2,457,256	2,657,905	2,543,006	2,643,365
SOUTHERN BELL-NC	22,263,400	22,617,501	23,014,580	23,727,526	26,210,920	28,083,634	29,819,114	29,729,095
GTE SOUTH INC. - SC	1,724,392	1,938,955	1,929,380	2,038,740	2,226,786	2,807,940	2,535,184	2,774,931
UTC OF THE CAROLINAS	690,751	859,271	861,296	914,340	939,072	1,016,787	1,059,926	1,113,753
SOUTHERN BELL-SC	16,697,517	16,776,162	17,179,732	17,658,893	19,109,036	20,264,935	21,379,571	21,355,599
GTE SOUTH INC. - AL	1,529,773	1,768,416	1,900,150	1,933,773	2,085,359	2,439,207	2,213,733	2,344,140
SO CENTRAL BELL-AL	24,698,295	25,448,228	26,026,123	27,126,143	28,219,763	29,644,815	30,863,506	31,909,075
GTE SOUTH INC. - KY	3,915,345	4,893,328	4,952,252	5,060,572	5,305,153	5,675,798	6,046,444	6,358,917
CINCINNATI BELL-KY	2,320,088	2,347,873	2,412,437	2,461,696	2,496,899	2,646,881	2,637,534	2,729,160
SO CENTRAL BELL-KY	16,366,067	16,450,631	16,679,202	16,840,481	18,046,365	18,724,905	18,229,208	18,757,941
SO CENTRAL BELL-LA	32,921,360	35,071,256	36,828,370	37,571,772	38,582,880	39,220,271	38,352,352	37,676,131
SO CENTRAL BELL-MS	14,753,482	14,893,054	15,527,546	15,920,893	16,689,828	18,266,804	18,491,915	19,248,090

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TOTAL DIAL EQUIPMENT MINUTES,
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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	710,139	721,696	788,721	790,063	832,415	1,044,891	948,224	981,577
UNITED INTER-MT-TN	2,276,145	2,667,515	2,655,025	2,697,284	2,736,070	2,902,342	3,061,105	3,238,018
SO. CENTRAL BELL -TN	33,089,089	32,788,376	33,836,086	34,392,769	36,677,104	39,037,880	40,871,854	42,451,715
GTE NORTH INC. - OH	8,332,409	9,500,175	9,701,349	9,815,824	10,440,949	13,509,680	11,450,889	11,988,454
CENDEL OF OHIO	0	860,987	830,929	839,489	893,720	943,883	970,737	986,665
UTC OF OHIO	5,091,675	5,265,155	5,379,464	5,375,636	5,647,602	5,961,734	6,250,411	6,451,654
CINCINNATI BELL-OH	12,302,298	12,015,727	12,425,179	12,671,435	13,453,056	13,929,202	13,932,246	14,005,546
OHIO BELL TEL CO	56,686,166	56,101,566	56,919,895	59,010,370	63,167,501	63,365,604	62,144,854	62,720,227
GTE NORTH INC. - MI	6,725,714	7,399,124	7,426,024	7,473,213	9,802,646	10,336,002	8,485,703	8,640,265
MICHIGAN BELL TEL CO	65,462,753	65,629,964	65,638,932	67,224,660	70,897,934	73,400,972	75,230,413	76,191,307
GTE NORTH INC. - IN	7,418,497	8,100,540	8,275,236	8,564,933	9,417,207	11,872,791	10,116,954	10,579,696
UTC OF INDIANA	1,659,813	1,753,809	1,842,890	1,838,917	1,972,317	1,991,744	2,077,904	2,168,192
INDIANA BELL TEL CO	25,941,115	25,886,856	26,827,083	26,948,928	28,041,841	28,828,441	28,850,161	29,293,916
GTE NORTH INC. - WI	3,981,255	4,445,556	4,565,220	4,625,016	4,776,191	6,222,130	5,111,061	5,239,516
WISCONSIN BELL	24,561,755	23,901,030	24,586,876	24,536,227	25,288,833	26,484,349	27,040,793	26,821,983
CENDEL OF ILLINOIS	0	2,450,733	2,503,812	2,562,545	2,666,992	2,594,728	2,660,126	2,786,243
GTE NORTH INC. - IL	7,074,171	8,706,971	9,013,584	9,181,193	9,624,444	11,075,836	9,601,168	9,843,306
ILLINOIS BELL TEL CO	79,465,593	80,048,547	82,111,400	83,879,196	91,005,837	94,439,712	94,322,987	94,271,636
GTE NORTH INC. - IA	1,278,016	1,422,348	1,512,565	1,570,383	1,644,889	5,701,483	1,628,856	1,645,726
UTC OF IOWA	0	633,550	666,188	677,361	682,866	728,398	727,371	747,904
NORTHWESTERN BELL-IA	13,126,698	12,962,466	13,312,014	13,543,813	14,391,396	14,898,496	15,263,594	14,783,988
GTE NORTH INC. - MN	42,512	47,727	50,942	53,088	51,697	345,045	49,764	50,128
CENDEL OF MN	721,719	778,629	814,528	878,800	900,001	961,642	1,000,451	1,052,843
UTC OF MINNESOTA	0	946,870	994,848	1,050,679	1,078,447	1,207,189	1,255,432	1,301,048
NORTHWESTERN BELL-MN	24,335,590	24,404,182	25,624,339	27,088,848	28,531,761	29,793,723	30,625,144	30,089,782
GTE NORTH INC. - NE	524,587	543,138	622,448	654,533	676,823	688,732	700,640	746,737
LINCOLN TEL & TEL CO	2,417,825	2,476,645	2,599,890	2,721,826	2,902,551	2,953,445	2,988,400	3,159,603
UTC OF THE WEST-NE	0	279,543	280,582	290,166	270,009	305,227	297,371	306,686
NORTHWESTERN BELL-NE	6,615,745	6,789,329	7,097,051	7,370,650	8,289,219	8,014,882	8,085,860	8,163,736
NORTHWESTERN BELL-ND	3,293,699	3,409,209	3,556,847	3,602,495	3,784,192	3,892,612	3,805,296	3,748,771
NORTHWESTERN BELL-SD	2,975,073	2,994,826	3,114,639	3,169,482	3,375,367	3,532,820	3,681,019	3,606,453
UTC OF ARKANSAS	170,922	127,513	176,231	174,455	180,381	191,729	187,651	189,950
GTE SOUTHWEST INC-AR	949,165	1,089,187	1,089,042	1,013,831	2,360,311	1,554,318	1,255,350	1,270,793
SOUTHWESTERN BELL-AR	10,218,500	10,233,264	10,563,605	11,048,836	11,913,975	12,418,339	12,664,547	12,983,128
UTC OF KANSAS	705,098	471,503	725,233	749,130	742,368	754,462	727,405	749,432
SOUTHWESTERN BELL-KS	14,397,801	14,300,042	14,563,121	15,081,953	15,732,066	16,776,265	16,929,494	16,968,289
GTE NORTH INC. - MO	1,181,330	1,324,995	1,372,555	1,426,338	1,482,781	1,605,564	1,657,195	1,683,982
UTC OF MISSOURI	1,660,173	1,726,449	1,834,321	1,874,807	1,881,654	2,010,042	2,007,394	2,115,187
SOUTHWESTERN BELL-MO	33,135,821	33,211,093	34,574,762	34,381,573	36,366,829	38,746,762	39,596,436	40,411,417
GTE SOUTHWEST INC-OK	1,307,724	1,556,951	1,657,063	1,548,109	3,579,623	2,386,379	1,892,780	1,855,056
SOUTHWESTERN BELL-OK	19,263,371	19,830,069	21,196,126	21,846,596	22,160,000	22,411,418	21,972,517	21,693,794

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	12,573,074	14,892,588	15,369,376	14,602,165	34,147,446	22,800,653	18,902,163	20,008,353
UTC OF TEXAS INC	0	0	1,371,155	1,386,612	1,497,206	1,155,710	1,219,400	1,264,533
CENTEL OF TEXAS	1,201,858	1,268,625	1,472,694	1,614,369	1,698,435	1,809,508	1,906,143	1,925,139
CONTEL OF TEXAS	1,224,092	1,322,039	1,455,984	1,511,213	1,684,980	1,825,559	1,892,377	2,030,598
SOUTHWESTERN BELL-TX	93,167,801	99,260,130	108,139,685	111,699,388	120,122,007	129,536,010	130,967,778	127,985,318
MOUNTAIN BELL - AZ	18,476,691	19,683,741	19,992,054	21,363,102	23,721,141	26,171,199	28,453,498	29,843,266
MOUNTAIN BELL-CO	23,313,034	24,962,128	26,988,686	27,031,849	28,305,725	29,728,516	30,481,393	31,030,721
GTE NORTHWEST INC-ID	877,483	960,138	956,155	1,000,769	1,095,467	1,190,165	1,197,308	1,256,704
MOUNTAIN BELL-ID	4,173,776	4,319,694	4,424,569	4,439,940	4,640,465	4,880,895	4,857,128	4,840,482
PACIFIC NW BELL-ID	352,344	349,558	347,311	366,042	378,864	386,333	378,763	378,743
GTE NORTHWEST INC-MT	77,216	89,545	86,978	98,721	104,530	110,339	109,875	111,197
MOUNTAIN BELL-MT	3,662,304	3,699,558	3,816,699	3,856,272	4,081,593	4,243,024	4,358,462	4,262,570
GTE SOUTHWEST INC-NM	560,089	686,818	731,324	620,861	1,367,555	826,654	638,796	641,240
MOUNTAIN BELL-NM	7,468,952	7,501,138	7,680,608	7,965,689	8,493,077	9,023,529	9,579,720	9,933,951
MOUNTAIN BELL-UT	10,193,431	10,413,210	10,863,878	11,515,498	12,171,946	12,736,419	12,969,827	12,847,637
UTC OF THE WEST-WY	0	61,285	59,975	61,366	63,131	66,213	65,773	67,102
MOUNTAIN BELL-WY	3,382,789	2,905,942	3,052,870	2,932,787	3,000,467	3,162,527	3,093,442	2,915,298
UTC OF THE NW-WA	473,345	483,499	503,556	520,681	518,604	556,965	549,870	562,514
GTE NORTHWEST INC-WA	5,090,222	5,469,827	5,654,558	5,947,310	6,413,200	6,879,090	7,459,435	8,256,531
PACIFIC NW BELL-WA	22,479,468	23,192,127	23,409,175	24,691,194	25,580,909	26,841,800	27,680,286	28,629,855
UTC OF THE NW - OR	408,389	417,149	407,651	425,196	443,532	549,911	499,367	530,944
GTE NORTHWEST INC-OR	2,715,733	3,428,237	3,443,267	3,587,201	3,780,452	3,973,703	4,154,338	4,473,261
PACIFIC NW BELL-OR	13,861,989	13,806,971	13,538,453	14,023,029	13,394,406	15,036,647	14,872,207	14,932,252
CONTEL OF CALIFORNIA	2,082,816	2,191,111	2,313,667	2,391,794	2,519,904	2,754,183	2,922,611	3,135,829
GTC OF CALIFORNIA	38,319,296	42,591,106	44,206,026	46,175,858	43,386,542	48,150,571	50,959,231	54,822,787
WEST COAST TEL OF CA	96,213	114,061	113,015	117,603	122,724	122,768	123,684	136,776
PACIFIC BELL	165,141,048	170,725,498	176,426,723	183,408,355	192,144,937	200,887,415	205,153,893	211,961,791
CENTEL OF NV	3,933,518	4,170,143	4,187,768	4,304,357	4,405,609	4,682,942	5,291,787	5,629,490
NEVADA BELL	2,058,678	2,171,311	2,280,437	2,410,124	2,587,761	2,681,082	2,780,882	2,854,643
DIAMOND STATE TEL	4,911,713	4,993,037	5,001,202	5,215,527	5,647,490	5,860,636	6,088,690	6,617,022
C & P TEL CO OF WASH	13,369,562	13,671,588	13,938,720	14,439,961	15,609,418	15,952,483	16,298,176	16,451,763
NEW ENGLAND TEL - RI	7,321,628	7,495,670	7,669,712	7,868,792	8,216,451	8,422,561	8,513,880	8,618,276
GTE HAWAIIAN TEL. CO	0	0	7,928,012	7,879,650	8,320,796	9,554,546	9,726,054	10,319,610
PUERTO RICO TEL CO	0	0	0	0	7,805,207	7,987,032	8,935,527	9,746,394
AVERAGE SCHEDULE CO.	0	0	0	0	20,576,100	23,086,300	20,468,900	29,428,800
ALL OTHER COST CO.	0	0	0	0	57,097,100	64,118,100	68,632,900	69,774,431

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NEW ENGLAND TEL-NE	67,748	69,758	75,426	80,806	84,762	94,855	104,858	122,527
NEW ENGLAND TEL-MA	432,947	477,280	518,493	532,446	575,371	682,901	761,834	915,167
NEW ENGLAND TEL-NH	59,304	60,118	65,734	71,612	76,421	92,446	106,295	125,362
SOUTHERN NEW ENGLAND	262,309	279,410	300,034	323,208	357,784	388,524	425,499	470,457
NEW ENGLAND TEL-VT	28,084	30,570	32,793	36,669	38,344	39,234	42,715	47,973
CONTEL OF NY, INC	33,641	0	38,290	40,947	44,799	48,851	55,842	56,810
ROCHESTER TEL CORP	0	0	0	0	32,371	32,684	30,608	51,832
NEW YORK TEL CO	450,729	484,264	517,200	562,799	553,193	537,035	603,610	678,402
UNITED TEL - NJ, INC	0	35,279	37,902	41,415	50,000	56,315	64,204	73,356
NEW JERSEY BELL	1,035,320	1,104,672	1,192,899	1,313,819	1,456,241	1,575,418	1,761,152	1,953,722
GTE NORTH INC. - PA	2,567	2,792	3,297	3,664	93,889	119,586	123,080	96,252
UTC OF PENNSYLVANIA	0	41,039	42,972	46,050	55,070	59,196	66,590	72,888
BELL OF PENNSYLVANIA	456,028	488,850	519,156	555,899	621,928	665,121	729,352	775,159
C & P TEL CO OF MD	109,733	118,060	123,822	130,494	139,133	155,583	163,915	178,615
CONTEL OF VIRGINIA	0	39,140	42,912	44,906	50,035	56,146	67,292	63,824
CENDEL OF VIRGINIA	20,905	23,229	24,978	26,235	27,285	28,304	28,891	34,649
GTE SOUTH INC. - VA	3,146	3,493	3,930	3,767	4,035	7,490	9,414	9,933
UNITED INTER-MT-VA	6,607	7,166	7,467	7,625	8,092	8,821	9,461	10,823
C & P TEL CO OF VA	148,976	159,475	168,774	177,761	188,991	214,296	220,832	227,682
GTE SOUTH INC. - WV	14,575	15,350	17,423	17,545	5,967	11,489	16,008	18,165
C & P TEL CO OF WV	71,102	73,072	76,351	78,175	82,111	90,181	89,335	93,839
GTE FLORIDA INC.	172,328	-195,151	250,094	278,007	314,763	368,087	418,635	436,182
CENDEL OF FLORIDA	12,916	15,537	17,866	19,821	22,058	24,769	31,239	30,213
UTC OF FLORIDA	60,081	67,986	77,224	90,133	95,303	106,262	119,650	147,943
SOUTHERN BELL-FL	300,709	337,594	372,629	411,034	466,770	519,937	565,898	577,974
GTE SOUTH INC. - GA	33,592	39,557	41,993	45,986	30,924	49,585	55,093	61,927
SOUTHERN BELL-GA	163,344	177,461	192,781	208,652	238,922	261,524	278,211	302,938
CAROLINA TEL & TEL	83,257	88,223	92,368	102,056	113,363	128,763	144,501	157,414
CENDEL OF NC	20,365	22,016	23,490	25,500	30,126	29,857	40,308	35,980
GTE SOUTH INC. - NC	22,635	26,170	29,929	34,614	29,640	43,441	50,008	57,028
SOUTHERN BELL-NC	154,527	168,499	184,348	201,302	222,376	240,110	269,258	270,220
GTE SOUTH INC. - SC	18,610	21,551	23,772	26,858	17,827	27,228	36,114	37,167
UTC OF THE CAROLINAS	5,929	6,372	6,714	7,268	8,074	8,725	9,526	10,664
SOUTHERN BELL-SC	79,287	86,116	90,064	94,437	103,413	106,321	109,817	114,856
GTE SOUTH INC. - AL	21,023	24,360	26,553	29,129	21,563	27,789	32,870	41,339
SO CENTRAL BELL-AL	110,801	118,190	125,545	133,237	144,664	152,769	159,520	168,115
GTE SOUTH INC. - KY	41,390	53,410	60,947	70,489	42,444	79,488	85,886	99,115
CINCINNATI BELL-KY	3,934	4,017	4,154	4,274	4,565	5,005	5,321	5,751
SO CENTRAL BELL-KY	78,058	81,081	84,142	88,712	93,901	95,318	97,629	104,209
SO CENTRAL BELL-LA	190,320	215,891	234,777	240,749	255,502	258,979	255,431	256,343
SO CENTRAL BELL-MS	104,000	108,876	114,831	119,592	124,561	131,151	136,405	151,321

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	10,426	11,248	132,967	14,489	11,272	18,956	17,402	20,324
UNITED INTER-MT-TN	12,245	13,644	14,520	15,647	16,724	18,530	22,084	28,306
SO. CENTRAL BELL -TN	141,499	150,893	161,604	169,690	184,346	193,423	209,331	230,334
GTE NORTH INC. - OH	162,323	188,831	196,898	198,584	179,078	275,901	239,329	194,473
CENTEL OF OHIO	0	8,098	8,528	8,214	8,447	9,478	10,611	12,412
UTC OF OHIO	65,411	69,998	72,551	75,896	82,039	89,415	93,861	101,217
CINCINNATI BELL-OH	28,205	29,501	30,586	31,690	34,234	37,162	39,717	39,471
OHIO BELL TEL CO	282,439	304,738	316,895	314,373	339,031	360,997	354,891	360,880
GTE NORTH INC. - MI	158,993	180,846	182,298	186,417	171,268	197,463	224,725	245,895
MICHIGAN BELL TEL CO	518,089	544,017	551,978	581,784	684,963	752,645	752,645	874,648
GTE NORTH INC. - IN	103,621	119,826	124,454	129,820	138,990	185,960	156,363	175,923
UTC OF INDIANA	23,872	26,585	28,141	29,990	32,900	35,848	38,153	41,279
INDIANA BELL TEL CO	123,854	130,536	138,296	147,354	159,057	164,239	164,239	171,324
GTE NORTH INC. - WI	70,420	80,352	83,749	88,177	102,476	107,904	95,671	102,182
WISCONSIN BELL	147,553	154,678	164,387	173,389	179,616	194,759	190,694	195,226
CENTEL OF ILLINOIS	0	18,344	19,089	18,769	19,721	21,569	22,659	25,133
GTE NORTH INC. - IL	151,722	190,793	203,266	204,222	145,896	200,390	210,900	222,770
ILLINOIS BELL TEL CO	265,250	282,311	291,290	302,199	340,501	349,013	358,861	341,191
GTE NORTH INC. - IA	27,936	31,676	33,851	36,184	9,798	11,278	9,330	9,863
UTC OF IOWA	0	11,825	12,692	12,782	13,434	14,347	14,570	16,146
NORTHWESTERN BELL-IA	117,369	123,120	128,463	132,486	132,572	133,276	132,318	131,945
GTE NORTH INC. - MN	688	808	874	956	0	0	0	0
CENTEL OF MN	7,691	8,258	8,900	9,713	9,716	10,403	10,820	12,481
UTC OF MINNESOTA	0	10,899	11,917	12,773	13,136	15,124	15,648	17,430
NORTHWESTERN BELL-MN	109,224	116,506	123,691	130,919	139,689	149,536	154,159	156,780
GTE NORTH INC. - NE	10,824	11,505	13,562	14,572	6,019	6,768	4,374	4,789
LINCOLN TEL & TEL CO	26,433	27,928	30,737	32,835	34,623	35,679	36,857	39,291
UTC OF THE WEST-NE	0	1,853	1,973	2,072	2,098	2,280	2,326	2,328
NORTHWESTERN BELL-NE	38,681	41,019	43,547	46,044	54,672	47,089	46,365	46,640
NORTHWESTERN BELL-ND	28,085	30,500	32,091	33,316	35,313	37,329	36,492	35,825
NORTHWESTERN BELL-SD	27,681	29,192	30,951	32,458	34,160	36,778	35,904	34,247
UTC OF ARKANSAS	3,105	0	3,157	3,241	3,265	3,592	3,724	4,025
GTE SOUTHWEST INC-AR	11,830	13,437	13,701	13,574	30,446	22,228	18,399	19,779
SOUTHWESTERN BELL-AR	89,544	94,913	98,845	103,809	107,942	108,505	114,383	121,690
UTC OF KANSAS	13,237	13,561	13,952	15,710	14,776	16,054	15,813	16,497
SOUTHWESTERN BELL-KS	109,304	121,610	125,049	131,358	128,806	129,671	128,483	134,233
GTE NORTH INC. - MO	20,038	23,239	23,647	25,077	9,949	13,650	12,505	11,256
UTC OF MISSOURI	27,962	29,559	30,620	31,284	33,192	36,322	37,883	42,227
SOUTHWESTERN BELL-MO	154,438	158,667	148,174	161,127	173,232	174,166	184,054	192,219
GTE SOUTHWEST INC-OK	18,981	23,360	24,575	24,355	51,900	35,407	30,688	34,172
SOUTHWESTERN BELL-OK	165,212	173,356	207,881	212,444	208,572	210,380	204,893	199,746

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	207,490	261,062	275,234	266,557	608,943	334,290	371,536	429,929
UTC OF TEXAS INC	0	0	22,833	25,465	28,751	30,972	33,775	35,610
CENTEL OF TEXAS	13,109	15,235	18,847	19,425	20,016	21,879	22,302	27,294
CONTEL OF TEXAS	0	32,268	36,256	39,486	42,908	47,379	51,221	56,402
SOUTHWESTERN BELL-TX	636,804	719,876	796,879	804,606	827,782	887,735	870,312	876,095
MOUNTAIN BELL - AZ	70,433	79,154	85,909	89,045	97,134	101,981	108,919	119,152
MOUNTAIN BELL-CO	120,443	135,050	147,152	155,393	162,581	165,183	168,147	174,360
GTE NORTHWEST INC-ID	16,966	19,233	18,875	19,212	10,542	11,344	11,575	12,011
MOUNTAIN BELL-ID	38,549	40,403	41,470	44,016	47,134	49,352	48,400	48,300
PACIFIC NW BELL-ID	2,751	2,777	2,834	3,016	3,116	3,140	3,176	3,158
GTE NORTHWEST INC-MT	638	726	720	765	0	0	0	0
MOUNTAIN BELL-MT	40,781	43,594	45,438	48,753	51,609	51,390	52,887	53,754
GTE SOUTHWEST INC-NM	6,111	8,061	8,701	7,959	19,031	12,440	8,924	9,245
MOUNTAIN BELL-NM	39,205	42,621	46,447	48,170	51,452	55,279	58,427	59,624
MOUNTAIN BELL-UT	60,302	66,749	66,521	67,319	68,149	71,762	75,254	79,696
UTC OF THE WEST-WY	0	545	566	607	649	691	709	702
MOUNTAIN BELL-WY	25,185	27,669	28,230	27,333	28,534	29,167	28,163	27,130
UTC OF THE NW-WA	11,484	11,962	12,551	13,279	13,301	14,497	14,704	16,525
GTE NORTHWEST INC-WA	88,521	102,745	115,560	130,205	65,869	71,753	78,862	88,963
PACIFIC NW BELL-WA	174,628	189,567	201,137	217,756	230,476	238,752	253,875	275,099
UTC OF THE NW - OR	10,424	10,778	10,690	11,155	11,357	13,101	12,343	12,739
GTE NORTHWEST INC-OR	55,008	70,440	72,567	75,827	35,700	37,012	39,478	43,674
PACIFIC NW BELL-OR	121,724	128,874	133,911	141,760	146,615	144,831	151,754	158,393
CONTEL OF CALIFORNIA	42,644	47,061	49,537	52,988	57,791	63,236	69,499	92,362
GTC OF CALIFORNIA	1,149,540	1,361,762	0	0	0	0	0	0
WEST COAST TEL OF CA	2,639	2,785	2,718	2,668	1,127	1,188	1,425	1,602
PACIFIC BELL	2,242,132	2,438,270	2,576,616	2,868,243	3,282,288	3,559,774	3,885,138	4,275,951
CENTEL OF NV	2,962	3,264	3,517	4,320	4,421	4,982	5,818	6,411
NEVADA BELL	7,550	8,647	9,010	9,828	11,960	12,726	12,716	14,354
DIAMOND STATE TEL	10,459	11,160	12,217	14,207	15,147	16,850	19,305	21,660
C & P TEL CO OF WASH	0	0	0	0	0	0	0	0
NEW ENGLAND TEL - RI	29,116	33,566	38,015	39,464	41,522	48,099	50,647	56,152
GTE HAWAIIAN TEL. CO	0	0	28,630	34,222	42,907	47,854	40,084	56,278
PUERTO RICO TEL CO	0	0	0	0	70,344	86,851	104,093	130,545
AVERAGE SCHEDULE CO.	0	0	0	0	314,000	369,600	348,400	519,000
ALL OTHER COST CO.	0	0	0	0	8,714,000	1,026,400	1,168,200	1,262,736

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	33,969	36,757	40,372	45,786	50,195	57,642	65,049	70,623
NEW ENGLAND TEL-MA	303,462	332,719	361,550	432,931	462,028	518,522	554,263	581,353
NEW ENGLAND TEL-NH	68,352	73,456	80,515	88,559	93,338	113,672	126,905	139,871
SOUTHERN NEW ENGLAND	214,561	230,545	243,288	259,889	285,665	318,057	347,037	381,923
NEW ENGLAND TEL-VT	28,611	29,811	31,238	33,236	34,406	46,052	50,142	54,961
CONTEL OF NY, INC	6,558	0	7,626	8,173	8,996	9,936	11,316	16,779
ROCHESTER TEL CORP	0	0	0	0	34,398	42,026	41,005	36,372
NEW YORK TEL CO	913,627	982,866	1,061,731	1,134,991	1,251,746	1,313,004	1,399,296	1,477,685
UNITED TEL - NJ, INC	0	10,435	11,429	12,982	16,951	19,277	22,815	27,276
NEW JERSEY BELL	589,868	636,155	674,941	734,455	787,480	915,219	1,067,097	943,427
GTE NORTH INC. - PA	741	839	1,008	1,222	57,626	66,839	73,729	66,314
UTC OF PENNSYLVANIA	0	14,411	15,173	16,377	23,346	26,547	29,088	31,171
BELL OF PENNSYLVANIA	420,181	452,959	473,250	502,219	542,250	578,267	601,774	622,040
C & P TEL CO OF MD	194,913	211,459	217,968	232,483	253,800	271,573	294,424	322,148
CONTEL OF VIRGINIA	0	18,002	20,017	21,968	24,855	29,878	31,894	26,395
CENTEL OF VIRGINIA	10,586	11,741	12,657	14,178	15,459	18,701	19,526	21,496
GTE SOUTH INC. - VA	2,427	2,707	3,022	2,960	3,438	6,337	8,199	11,706
UNITED INTER-MT-VA	5,858	6,561	6,815	7,235	7,567	8,144	9,273	12,162
C & P TEL CO OF VA	188,398	206,622	219,890	242,526	273,575	305,351	305,936	318,269
GTE SOUTH INC. - WV	11,595	12,530	14,270	14,879	4,426	9,765	15,873	18,253
C & P TEL CO OF WV	56,568	60,425	62,405	66,816	71,689	77,484	80,728	84,184
GTE FLORIDA INC.	137,204	-150,900	196,547	221,272	252,663	269,478	316,939	329,975
CENTEL OF FLORIDA	10,914	12,781	14,407	16,470	19,787	22,549	28,025	31,195
UTC OF FLORIDA	37,043	41,494	47,015	50,172	54,317	68,846	81,783	108,735
SOUTHERN BELL-FL	327,218	356,963	392,620	425,789	455,866	495,063	550,135	581,634
GTE SOUTH INC. - GA	13,718	16,279	17,647	20,504	14,854	61,026	31,204	34,899
SOUTHERN BELL-GA	243,770	271,139	296,733	328,186	363,160	401,170	427,938	437,330
CAROLINA TEL & TEL	38,463	41,860	45,165	51,300	58,354	67,964	80,717	98,975
CENTEL OF NC	7,122	7,874	8,475	9,471	11,710	11,894	17,443	15,070
GTE SOUTH INC - NC	12,534	14,935	19,294	24,135	20,967	32,208	37,078	59,235
SOUTHERN BELL-NC	112,767	127,283	140,311	158,110	175,436	198,598	214,722	220,045
GTE SOUTH INC. - SC	13,736	17,744	20,419	24,223	18,060	27,143	37,488	53,310
UTC OF THE CAROLINAS	3,917	4,429	4,846	5,312	5,937	6,560	7,140	8,735
SOUTHERN BELL-SC	80,820	91,237	99,179	110,583	120,951	128,077	135,005	142,568
GTE SOUTH INC. - AL	13,133	15,805	17,274	19,755	15,324	20,824	26,533	31,706
SO CENTRAL BELL-AL	106,673	118,519	126,529	139,216	153,759	169,443	179,861	192,708
GTE SOUTH INC. - KY	29,180	37,971	44,870	57,144	35,279	82,413	74,718	101,516
CINCINNATI BELL-KY	7,770	8,309	8,672	9,194	10,704	12,354	13,600	15,769
SO CENTRAL BELL-KY	75,355	80,638	84,472	90,054	96,547	102,464	108,867	117,018
SO CENTRAL BELL-LA	132,782	151,059	163,074	174,526	192,582	205,531	209,334	212,501
SO CENTRAL BELL-MS	78,703	87,319	93,476	101,502	109,750	124,079	134,507	145,067

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	4,735	5,280	6,378	7,336	5,700	9,768	10,329	18,701
UNITED INTER-MT-TN	10,496	11,704	12,217	12,925	13,864	15,301	17,913	28,199
SO. CENTRAL BELL -TN	161,241	171,319	186,338	202,373	229,273	238,908	253,490	267,413
GTE NORTH INC. - OH	46,251	55,630	58,010	61,005	55,728	88,168	81,437	72,402
CENTEL OF OHIO	0	2,501	2,605	2,836	2,968	3,480	3,894	4,536
UTC OF OHIO	21,499	23,006	25,099	27,058	30,499	34,502	38,062	43,134
CINCINNATI BELL-OH	52,190	56,209	60,408	65,189	71,704	76,089	83,192	83,386
OHIO BELL TEL CO	231,500	250,599	265,174	270,546	298,689	314,472	328,420	344,007
GTE NORTH INC. - MI	32,416	38,380	40,065	42,488	49,631	48,650	56,517	63,459
MICHIGAN BELL TEL CO	231,259	250,504	259,752	278,799	300,091	335,444	335,444	396,131
GTE NORTH INC. - IN	70,248	82,345	83,491	88,303	96,171	130,898	102,775	130,274
UTC OF INDIANA	9,261	11,893	12,485	13,608	15,167	16,462	18,135	20,857
INDIANA BELL TEL CO	131,571	139,831	144,787	157,364	170,807	181,708	181,708	204,399
GTE NORTH INC. - WI	20,474	24,228	25,406	27,820	45,034	36,262	25,175	26,029
WISCONSIN BELL	119,207	126,919	133,549	145,180	156,374	166,398	169,525	169,985
CENTEL OF ILLINOIS	0	20,760	20,233	19,638	20,513	23,387	25,773	30,548
GTE NORTH INC. - IL	41,367	54,153	58,239	60,382	45,561	66,612	69,639	77,660
ILLINOIS BELL TEL CO	480,047	515,345	530,757	565,218	611,668	657,197	688,646	726,879
GTE NORTH INC. - IA	7,093	8,675	9,385	10,076	3,077	3,540	3,271	3,794
UTC OF IOWA	0	3,539	3,785	3,972	4,253	5,143	5,466	6,954
NORTHWESTERN BELL-IA	87,139	95,558	101,513	116,197	133,242	156,048	148,487	128,627
GTE NORTH INC. - MN	228	267	281	315	0	0	0	0
CENTEL OF MN	3,232	3,675	3,860	4,249	4,650	4,990	5,736	6,456
UTC OF MINNESOTA	0	3,158	3,354	3,690	3,616	4,732	5,437	6,961
NORTHWESTERN BELL-MN	145,754	157,715	165,751	180,257	193,129	211,927	228,090	233,639
GTE NORTH INC. - NE	3,417	3,746	4,337	4,772	2,155	2,844	2,049	2,728
LINCOLN TEL & TEL CO	13,285	14,496	15,900	17,441	20,881	24,289	24,336	27,543
UTC OF THE WEST-NE	0	2,427	2,575	2,608	2,668	2,996	3,162	3,622
NORTHWESTERN BELL-NE	50,069	54,697	58,495	62,723	74,164	74,645	78,327	82,434
NORTHWESTERN BELL-ND	23,278	26,603	28,277	30,817	33,327	38,255	38,307	41,212
NORTHWESTERN BELL-SD	22,568	25,328	27,734	31,403	34,942	39,488	42,028	40,824
UTC OF ARKANSAS	1,340	0	1,456	1,490	1,531	1,697	1,879	2,082
GTE SOUTHWEST INC-AR	4,404	5,241	5,472	5,417	12,287	9,906	8,818	9,749
SOUTHWESTERN BELL-AR	64,049	73,270	80,261	91,182	98,810	109,354	117,328	123,745
UTC OF KANSAS	4,974	5,112	5,205	5,997	5,912	6,661	6,930	7,800
SOUTHWESTERN BELL-KS	94,060	101,798	103,531	118,806	125,117	134,438	141,285	151,719
GTE NORTH INC. - MO	7,687	9,043	9,457	10,650	4,761	6,455	6,476	6,722
UTC OF MISSOURI	9,303	9,899	10,696	11,565	11,288	15,290	16,600	19,249
SOUTHWESTERN BELL-MO	196,786	205,715	215,476	223,231	237,649	249,774	260,665	261,599
GTE SOUTHWEST INC-OK	8,315	10,685	11,132	11,208	24,042	17,500	18,653	22,946
SOUTHWESTERN BELL-OK	115,979	132,045	145,462	146,728	146,966	151,267	154,654	158,788

TABLE 4.20

INTERSTATE MESSAGES,
BY COMPANY (IN 000'S)

PAGE 3

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	64,515	82,923	88,250	87,898	211,037	132,224	148,276	198,350
UTC OF TEXAS INC	0	0	2,608	2,873	3,447	4,037	4,320	4,872
CENTEL OF TEXAS	5,960	6,854	7,356	8,018	9,046	10,242	11,172	14,900
CONTEL OF TEXAS	0	3,726	4,219	4,571	4,773	5,354	5,945	9,569
SOUTHWESTERN BELL-TX	398,531	455,024	521,212	549,271	569,265	619,266	625,844	639,165
MOUNTAIN BELL - AZ	137,252	148,604	152,586	170,805	188,583	205,800	218,279	237,741
MOUNTAIN BELL-CO	161,947	186,340	202,325	220,589	234,728	247,311	253,742	263,065
GTE NORTHWEST INC-ID	19,035	22,525	22,308	24,834	13,221	14,837	15,717	16,921
MOUNTAIN BELL-ID	32,723	35,790	37,674	42,004	44,257	49,451	53,222	54,017
PACIFIC NW BELL-ID	3,026	3,215	3,303	3,655	3,953	4,132	4,261	4,548
GTE NORTHWEST INC-MT	513	618	618	682	0	0	0	0
MOUNTAIN BELL-MT	27,090	31,460	33,954	37,100	40,185	42,266	44,936	46,519
GTE SOUTHWEST INC-NM	8,169	10,938	11,600	10,682	23,896	15,971	11,421	12,881
MOUNTAIN BELL-NM	49,501	54,681	58,771	63,577	70,393	76,836	83,968	90,209
MOUNTAIN BELL-UT	55,143	63,524	69,945	77,108	76,335	80,037	89,083	90,585
UTC OF THE WEST-WY	0	791	812	827	936	1,070	1,116	1,146
MOUNTAIN BELL-WY	32,873	37,684	39,058	38,880	39,893	42,721	43,126	43,672
UTC OF THE NW-WA	2,931	3,192	3,319	3,621	4,214	4,898	4,921	5,386
GTE NORTHWEST INC-WA	35,223	43,817	51,488	60,530	30,195	34,670	39,570	48,268
PACIFIC NW BELL-WA	133,689	150,007	162,676	177,512	187,861	202,896	138,651	219,660
UTC OF THE NW - OR	2,492	2,672	2,706	2,927	3,445	4,415	4,644	5,118
GTE NORTHWEST INC-OR	28,931	40,987	44,493	47,763	23,035	25,629	28,720	35,643
PACIFIC NW BELL-OR	95,688	104,564	107,835	117,529	124,058	133,780	204,083	139,523
CONTEL OF CALIFORNIA	5,398	6,020	6,389	6,946	7,437	8,166	9,391	19,887
GTC OF CALIFORNIA	206,213	241,401	0	0	0	0	0	0
WEST COAST TEL OF CA	1,286	1,456	1,418	1,557	699	719	854	961
PACIFIC BELL	624,464	686,438	731,737	815,696	871,526	973,620	1,067,457	1,160,075
CENTEL OF NV	44,956	48,509	50,535	56,371	61,271	66,400	84,667	92,912
NEVADA BELL	27,179	30,258	30,107	34,432	40,612	38,461	30,617	42,408
DIAMOND STATE TEL	47,377	49,811	53,309	57,364	61,290	71,878	80,962	87,751
C & P TEL CO OF WASH	119,771	119,819	116,986	121,031	130,311	132,736	122,613	115,799
NEW ENGLAND TEL - RI	59,198	64,537	69,894	72,036	79,955	92,405	98,300	106,747
GTE HAWAIIAN TEL. CO	0	0	41,646	45,934	47,145	61,025	48,216	60,124
PUERTO RICO TEL CO	0	0	0	0	22,200	26,522	33,152	38,847
AVERAGE SCHEDULE CO.	0	0	0	0	143,600	166,300	150,200	227,200
ALL OTHER COST CO.	0	0	0	0	398,600	462,000	503,800	522,590

TABLE 4.21

NUMBER OF LOOPS,
BY COMPANY (IN 000'S)

PAGE 1

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	380	392	400	415	456	489	519	535
NEW ENGLAND TEL-MA	2,736	2,813	2,871	2,945	3,372	3,476	3,656	3,688
NEW ENGLAND TEL-NH	376	393	410	434	494	518	555	576
SOUTHERN NEW ENGLAND	1,497	1,514	1,531	1,566	1,790	1,852	1,912	1,953
NEW ENGLAND TEL-VT	179	187	195	205	210	258	249	255
CONTEL OF NY, INC	145	0	164	166	100	172	173	186
ROCHESTER TEL CORP	0	0	0	0	409	410	416	437
NEW YORK TEL CO	7,946	8,077	8,101	8,210	9,124	9,369	10,131	10,107
UNITED TEL - NJ, INC	0	0	0	0	100	109	118	133
NEW JERSEY BELL	3,572	3,675	3,771	3,896	4,473	4,625	4,706	4,884
GTE NORTH INC. - PA	16	0	17	0	373	389	394	418
UTC OF PENNSYLVANIA	0	0	0	0	252	261	270	282
BELL OF PENNSYLVANIA	4,292	4,369	4,423	4,461	4,602	4,804	4,948	5,127
C & P TEL CO OF MD	2,012	2,072	2,118	2,205	2,428	2,518	2,629	2,722
CONTEL OF VIRGINIA	0	204	217	226	258	273	285	321
CENTEL OF VIRGINIA	137	145	154	162	176	168	187	204
GTE SOUTH INC. - VA	26	22	27	27	27	28	29	30
UNITED INTER-MT-VA	61	65	67	70	75	68	70	72
C & P TEL CO OF VA	1,739	1,800	1,848	1,955	2,179	2,280	2,392	2,499
GTE SOUTH INC. - WV	54	60	56	56	58	60	62	65
C & P TEL CO OF WV	560	571	578	592	644	653	661	684
GTE FLORIDA INC.	1,050	1,119	1,177	1,257	1,345	1,389	1,530	1,610
CENTEL OF FLORIDA	134	143	150	158	167	181	216	235
UTC OF FLORIDA	0	526	570	623	716	781	839	903
SOUTHERN BELL-FL	2,830	2,979	3,080	3,219	3,581	3,732	3,961	4,237
GTE SOUTH INC.- GA	144	152	154	159	167	176	188	198
SOUTHERN BELL-GA	1,850	1,911	1,955	2,040	2,302	2,403	2,541	2,669
CAROLINA TEL & TEL	548	570	589	608	663	689	718	745
CENTEL OF NC	143	149	152	155	169	178	187	193
GTE SOUTH INC - NC	98	103	106	111	122	129	133	144
SOUTHERN BELL-NC	1,166	1,199	1,227	1,266	1,386	1,433	1,531	1,623
GTE SOUTH INC. - SC	97	102	104	108	117	124	130	135
UTC OF THE CAROLINAS	48	49	51	53	59	62	66	67
SOUTHERN BELL-SC	789	808	818	841	920	946	987	1,034
GTE SOUTH INC. - AL	88	98	95	96	103	108	113	120
SO CENTRAL BELL-AL	1,145	1,176	1,197	1,219	1,342	1,354	1,385	1,442
GTE SOUTH INC. - KY	254	250	257	262	275	289	300	316
CINCINNATI BELL-KY	114	115	116	117	122	128	132	136
SO CENTRAL BELL-KY	780	789	793	805	870	868	880	917
SO CENTRAL BELL-LA	1,547	1,609	1,647	1,687	1,874	1,856	1,828	1,854
SO CENTRAL BELL-MS	749	774	776	791	842	867	883	929

TABLE 4.21

NUMBER OF LOOPS,
BY COMPANY (IN 000'S)

PAGE 2

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	40	41	42	43	45	47	48	50
UNITED INTER-MT-TN	121	126	130	136	145	158	165	168
SO. CENTRAL BELL -TN	1,509	1,540	1,558	1,585	1,763	1,783	1,828	1,952
GTE NORTH INC. - OH	511	533	543	551	572	593	608	643
CENTEL OF OHIO	0	55	55	55	57	59	60	63
UTC OF OHIO	313	329	344	355	390	408	422	441
CINCINNATI BELL-OH	550	556	553	561	620	650	659	663
OHIO BELL TEL CO	2,844	2,866	2,865	2,884	3,146	3,180	3,187	3,277
GTE NORTH INC. - MI	389	0	0	0	438	469	471	483
MICHIGAN BELL TEL CO	3,491	3,500	3,501	3,586	3,972	4,060	4,084	4,154
GTE NORTH INC. - IN	473	491	509	526	536	577	582	563
UTC OF INDIANA	130	133	139	149	163	169	167	175
INDIANA BELL TEL CO	1,330	1,354	1,362	1,365	1,497	1,549	1,539	1,572
GTE NORTH INC. - WI	269	280	290	299	276	276	277	339
WISCONSIN BELL	1,436	1,525	1,445	1,446	1,593	1,634	1,676	1,684
CENTEL OF ILLINOIS	0	137	153	156	176	179	179	191
GTE NORTH INC. - IL	513	533	540	0	543	521	521	562
ILLINOIS BELL TEL CO	4,605	4,670	4,618	4,646	5,194	5,293	5,398	5,433
GTE NORTH INC. - IA	97	101	103	105	105	107	104	107
UTC OF IOWA	55	55	56	59	64	65	62	64
NORTHWESTERN BELL-IA	856	859	864	874	932	927	918	916
GTE NORTH INC. - MN	3	3	4	4	3	3	3	3
CENTEL OF MN	54	57	59	60	63	65	68	72
UTC OF MINNESOTA	66	67	68	74	81	83	90	97
NORTHWESTERN BELL-MN	1,457	1,491	1,497	1,545	1,685	1,738	1,755	1,755
GTE NORTH INC. - NE	39	41	42	43	44	44	43	44
LINCOLN TEL & TEL CO	196	200	201	204	217	219	222	231
UTC OF THE WEST-NE	21	22	22	23	25	25	24	24
NORTHWESTERN BELL-NE	393	403	406	418	452	457	456	462
NORTHWESTERN BELL-ND	220	229	231	238	257	260	259	262
NORTHWESTERN BELL-SD	219	225	225	231	251	255	255	260
UTC OF ARKANSAS	14	14	14	14	15	15	15	16
GTE SOUTHWEST INC-AR	51	52	53	55	57	59	59	61
SOUTHWESTERN BELL-AR	575	584	588	601	657	687	707	717
UTC OF KANSAS	56	57	59	61	66	67	65	66
SOUTHWESTERN BELL-KS	856	889	900	918	990	1,036	1,058	1,058
GTE NORTH INC. - MO	83	85	86	87	92	96	96	90
UTC OF MISSOURI	122	128	137	138	157	162	168	176
SOUTHWESTERN BELL-MO	1,681	1,711	1,720	1,749	1,924	1,977	2,006	2,037
GTE SOUTHWEST INC-OK	75	79	85	90	95	99	97	98
SOUTHWESTERN BELL-OK	1,128	1,200	1,225	1,243	1,363	1,377	1,362	1,342

TABLE 4.21

NUMBER OF LOOPS,
BY COMPANY (IN 000'S)

PAGE 3

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	749	811	848	885	951	1,005	1,026	1,063
UTC OF TEXAS INC	73	74	80	82	82	94	98	100
CENTEL OF TEXAS	69	82	83	91	104	110	119	121
CONTEL OF TEXAS	0	101	113	118	132	138	150	155
SOUTHWESTERN BELL-TX	4,867	5,233	5,591	5,710	6,489	6,825	6,869	6,785
MOUNTAIN BELL - AZ	1,158	1,232	1,269	1,304	1,476	1,598	1,657	1,734
MOUNTAIN BELL-CO	1,322	1,404	1,453	1,513	1,714	1,823	1,792	1,812
GTE NORTHWEST INC-ID	43	61	564	62	64	67	65	67
MOUNTAIN BELL-ID	263	272	278	284	313	328	325	329
PACIFIC NW BELL-ID	20	20	20	21	23	23	23	23
GTE NORTHWEST INC-MT	5	5	54	6	6	6	6	6
MOUNTAIN BELL-MT	266	271	277	286	307	319	307	306
GTE SOUTHWEST INC-NM	38	41	42	40	42	41	39	39
MOUNTAIN BELL-NM	425	444	459	466	508	535	544	560
MOUNTAIN BELL-UT	546	569	582	603	668	692	696	704
UTC OF THE WEST-WY	5	5	5	5	6	6	6	6
MOUNTAIN BELL-WY	191	205	210	211	225	233	221	223
UTC OF THE NW-WA	36	36	37	38	43	45	47	49
GTE NORTHWEST INC-WA	358	383	3,494	367	416	445	461	487
PACIFIC NW BELL-WA	1,451	1,490	1,503	1,536	1,687	1,767	1,780	1,830
UTC OF THE NW - OR	32	32	33	36	41	41	44	46
GTE NORTHWEST INC-OR	198	211	2,008	214	229	238	247	257
PACIFIC NW BELL-OR	861	880	877	888	951	986	967	990
CENTEL OF CALIFORNIA	173	183	191	199	205	219	233	255
GTC OF CALIFORNIA	2,487	2,559	2,588	2,677	2,832	2,828	2,869	3,188
WEST COAST TEL OF CA	8	8	80	8	8	8	9	9
PACIFIC BELL	9,843	10,207	10,363	10,858	11,498	12,005	12,015	13,113
CENTEL OF NV	250	262	268	291	297	312	350	358
NEVADA BELL	142	152	157	166	165	175	197	207
DIAMOND STATE TEL	281	292	298	304	335	359	383	406
C & P TEL CO OF WASH	691	711	721	768	876	885	876	881
NEW ENGLAND TEL - RI	425	433	441	455	504	479	523	532
GTE HAWAIIAN TEL. CO	0	0	457	472	489	498	525	541
PUERTO RICO TEL CO	0	0	0	0	531	604	650	706
AVERAGE SCHEDULE CO.	0	0	0	0	2,590	2,660	2,700	2,800
ALL OTHER COST CO.	0	0	0	0	4,400	4,600	4,800	5,339

TABLE 4.22

INTERSTATE SLU FACTORS,
BY COMPANY

PAGE 1

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	0.0859	0.0910	0.0958	0.1025	0.1111	0.1314	0.1270	0.1284
NEW ENGLAND TEL-MA	0.0844	0.0869	0.0891	0.0928	0.0984	0.1228	0.1248	0.1282
NEW ENGLAND TEL-NH	0.1496	0.1556	0.1612	0.1690	0.1744	0.2062	0.2061	0.2149
SOUTHERN NEW ENGLAND	0.1040	0.1375	0.1395	0.1421	0.1502	0.1513	0.1515	0.1690
NEW ENGLAND TEL-VT	0.1483	0.1491	0.1498	0.1553	0.1721	0.1871	0.1786	0.1976
CONTEL OF NY, INC	0.0659	0.0681	0.0710	0.0744	0.0827	0.0958	0.1038	0.1088
ROCHESTER TEL CORP	0.0000	0.0000	0.0000	0.0000	0.0721	0.0759	0.0856	0.0885
NEW YORK TEL CO	0.0855	0.0871	0.0894	0.0895	0.1068	0.1167	0.1158	0.1166
UNITED TEL - NJ, INC	0.0000	0.1337	0.1373	0.1447	0.1472	0.1630	0.1700	0.1892
NEW JERSEY BELL	0.1155	0.1173	0.1214	0.1260	0.1373	0.1605	0.1565	0.1800
GTE NORTH INC. - PA	0.0554	0.0549	0.0586	0.0574	0.0713	0.0702	0.0807	0.0945
UTC OF PENNSYLVANIA	0.0673	0.0702	0.0707	0.0733	0.0860	0.0914	0.0909	0.1077
BELL OF PENNSYLVANIA	0.0709	0.0725	0.0742	0.0786	0.0921	0.1108	0.1001	0.1149
C & P TEL CO OF MD	0.0688	0.0691	0.0672	0.0692	0.0776	0.0871	0.0981	0.1171
CONTEL OF VIRGINIA	0.0000	0.1018	0.1045	0.1080	0.1240	0.1363	0.1510	0.1694
CENDEL OF VIRGINIA	0.0890	0.0910	0.0904	0.0971	0.1063	0.1183	0.0963	0.1397
GTE SOUTH INC. - VA	0.0733	0.0773	0.0761	0.0711	0.0828	0.0873	0.0862	0.1006
UNITED INTER-MT-VA	0.0661	0.0722	0.0749	0.0756	0.0905	0.1027	0.1067	0.1161
C & P TEL CO OF VA	0.0789	0.0820	0.0827	0.0862	0.0991	0.1082	0.1043	0.1278
GTE SOUTH INC. - WV	0.1037	0.1083	0.1039	0.1004	0.1152	0.1263	0.1604	0.1546
C & P TEL CO OF WV	0.0697	0.0725	0.0734	0.0757	0.0837	0.0908	0.0897	0.1018
GTE FLORIDA INC.	0.0944	0.1047	0.1074	0.1093	0.1175	0.1207	0.1223	0.1528
CENDEL OF FLORIDA	0.0981	0.1041	0.1110	0.1144	0.1176	0.1338	0.1437	0.1581
UTC OF FLORIDA	0.0000	0.1282	0.1316	0.1341	0.1275	0.1441	0.1446	0.1643
SOUTHERN BELL-FL	0.0921	0.0962	0.0986	0.1007	0.1072	0.1162	0.1331	0.1484
GTE SOUTH INC. - GA	0.0642	0.0669	0.0689	0.0691	0.0821	0.0877	0.0775	0.0879
SOUTHERN BELL-GA	0.0823	0.0869	0.0910	0.0887	0.0938	0.1025	0.1133	0.1265
CAROLINA TEL & TEL	0.0699	0.0725	0.0741	0.0800	0.0875	0.1014	0.1068	0.1270
CENDEL OF NC	0.0593	0.0630	0.0613	0.0660	0.0729	0.0787	0.0860	0.0917
GTE SOUTH INC - NC	0.0786	0.0888	0.0890	0.0986	0.1040	0.1266	0.0988	0.1461
SOUTHERN BELL-NC	0.0698	0.0770	0.0799	0.0846	0.0884	0.0949	0.1020	0.1239
GTE SOUTH INC. - SC	0.1098	0.1133	0.1223	0.1343	0.1411	0.1317	0.1559	0.1667
UTC OF THE CAROLINAS	0.0821	0.0876	0.0941	0.0958	0.1110	0.1116	0.1096	0.1227
SOUTHERN BELL-SC	0.0639	0.0701	0.0724	0.0773	0.0849	0.0851	0.0990	0.1161
GTE SOUTH INC. - AL	0.0895	0.0976	0.0937	0.0989	0.1071	0.1090	0.1172	0.1320
SO CENTRAL BELL-AL	0.0612	0.0635	0.0643	0.0647	0.0721	0.0854	0.0919	0.0953
GTE SOUTH INC. - KY	0.0810	0.0790	0.0820	0.0795	0.0882	0.0908	0.0871	0.1261
CINCINNATI BELL-KY	0.0419	0.0430	0.0493	0.0602	0.0641	0.0874	0.0888	0.0930
SO CENTRAL BELL-KY	0.0643	0.0667	0.0668	0.0676	0.0743	0.0832	0.0951	0.1001
SO CENTRAL BELL-LA	0.0579	0.0597	0.0595	0.0611	0.0694	0.0813	0.0849	0.0882
SO CENTRAL BELL-MS	0.0734	0.0781	0.0780	0.0803	0.0874	0.0991	0.1096	0.1135

TABLE 4.22

INTERSTATE SLU FACTORS,
BY COMPANY

PAGE 2

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	0.0620	0.0683	0.0853	0.0862	0.0896	0.1149	0.0975	0.1002
UNITED INTER-MT-TN	0.0684	0.0723	0.0782	0.0811	0.0895	0.0933	0.0905	0.1132
SO. CENTRAL BELL -TN	0.0640	0.0693	0.0733	0.0777	0.0895	0.0992	0.1038	0.1096
GTE NORTH INC. - OH	0.0651	0.0692	0.0647	0.0660	0.0685	0.0683	0.0796	0.0930
CENTEL OF OHIO	0.0000	0.0514	0.0564	0.0567	0.0673	0.0826	0.0864	0.1027
UTC OF OHIO	0.0636	0.0659	0.0698	0.0752	0.0793	0.0901	0.0817	0.0917
CINCINNATI BELL-OH	0.0531	0.0580	0.0644	0.0672	0.0687	0.0959	0.1025	0.1093
OHIO BELL TEL CO	0.0570	0.0587	0.0599	0.0593	0.0670	0.0801	0.0986	0.1069
GTE NORTH INC. - MI	0.0543	0.0554	0.0602	0.0618	0.0000	0.0695	0.0822	0.0860
MICHIGAN BELL TEL CO	0.0496	0.0511	0.0504	0.0504	0.0652	0.0776	0.0851	0.0908
GTE NORTH INC. - IN	0.0899	0.0974	0.0977	0.0966	0.0980	0.1061	0.1095	0.1219
UTC OF INDIANA	0.0924	0.0995	0.0987	0.1050	0.1052	0.1123	0.1027	0.1147
INDIANA BELL TEL CO	0.0689	0.0729	0.0717	0.0743	0.0834	0.1008	0.1041	0.1159
GTE NORTH INC. - WI	0.0796	0.0835	0.0842	0.0873	0.0920	0.0991	0.1010	0.1036
WISCONSIN BELL	0.0625	0.0679	0.0694	0.0726	0.0874	0.0959	0.1058	0.1169
CENTEL OF ILLINOIS	0.0000	0.0911	0.0872	0.0952	0.1032	0.1145	0.1386	0.1702
GTE NORTH INC. - IL	0.0717	0.0798	0.0830	0.0830	0.0798	0.0850	0.0895	0.1013
ILLINOIS BELL TEL CO	0.0798	0.0807	0.0773	0.0780	0.0930	0.1038	0.1111	0.1266
GTE NORTH INC. - IA	0.0774	0.0887	0.0872	0.0882	0.0948	0.1031	0.1040	0.1156
UTC OF IOWA	0.0000	0.0787	0.0830	0.0865	0.1002	0.1209	0.1183	0.1260
NORTHWESTERN BELL-IA	0.0839	0.0883	0.0907	0.0988	0.1177	0.1420	0.1478	0.1536
GTE NORTH INC. - MN	0.0861	0.0899	0.0968	0.0993	0.1123	0.1147	0.1142	0.1307
CENTEL OF MN	0.0685	0.0713	0.0721	0.0718	0.0844	0.0892	0.0938	0.1103
UTC OF MINNESOTA	0.0000	0.0551	0.0551	0.0566	0.0596	0.0702	0.0718	0.0813
NORTHWESTERN BELL-MN	0.0740	0.0788	0.0773	0.0797	0.0858	0.1097	0.1178	0.1275
GTE NORTH INC. - NE	0.0735	0.0809	0.0808	0.0829	0.0920	0.1001	0.1038	0.1257
LINCOLN TEL & TEL CO	0.0883	0.0913	0.0905	0.0861	0.1006	0.1075	0.1188	0.1362
UTC OF THE WEST-NE	0.0000	0.1186	0.1239	0.1215	0.1311	0.1466	0.1515	0.1567
NORTHWESTERN BELL-NE	0.1054	0.1173	0.1178	0.1151	0.1198	0.1460	0.1610	0.1801
NORTHWESTERN BELL-ND	0.0915	0.0991	0.1071	0.1049	0.1115	0.1322	0.1412	0.1557
NORTHWESTERN BELL-SD	0.1022	0.1106	0.1137	0.1239	0.1437	0.1466	0.1661	0.1779
UTC OF ARKANSAS	0.1038	0.1112	0.1163	0.1221	0.1218	0.1418	0.1541	0.1700
GTE SOUTHWEST INC-AR	0.0835	0.0920	0.0910	0.0847	0.0912	0.1057	0.1079	0.1244
SOUTHWESTERN BELL-AR	0.0806	0.0886	0.0897	0.0915	0.1006	0.1179	0.1135	0.1153
UTC OF KANSAS	0.1340	0.1367	0.1362	0.1433	0.1478	0.1577	0.1715	0.1871
SOUTHWESTERN BELL-KS	0.0834	0.0907	0.0906	0.0951	0.1061	0.1181	0.1186	0.1299
GTE NORTH INC. - MO	0.0889	0.0901	0.0929	0.0963	0.1039	0.1135	0.1248	0.1547
UTC OF MISSOURI	0.0964	0.1039	0.1104	0.1187	0.1095	0.1460	0.1453	0.1485
SOUTHWESTERN BELL-MO	0.0824	0.0831	0.0808	0.0835	0.0912	0.1082	0.1016	0.1001
GTE SOUTHWEST INC-OK	0.0974	0.0981	0.1016	0.0948	0.1030	0.1107	0.1201	0.1574
SOUTHWESTERN BELL-OK	0.0890	0.0947	0.0966	0.0925	0.1004	0.1124	0.1098	0.1173

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	0.0623	0.0683	0.0678	0.0651	0.0751	0.0774	0.0820	0.1174
UTC OF TEXAS INC	0.0000	0.0000	0.0479	0.0439	0.0544	0.0628	0.0606	0.0731
CONTEL OF TEXAS	0.0986	0.1000	0.0940	0.0985	0.1181	0.1222	0.1443	0.1526
CONTEL OF TEXAS	0.0580	0.0618	0.0647	0.0629	0.0714	0.0864	0.0819	0.0927
SOUTHWESTERN BELL-TX	0.0598	0.0631	0.0652	0.0650	0.0724	0.0854	0.0802	0.0850
MOUNTAIN BELL - AZ	0.1153	0.1148	0.1167	0.1087	0.1323	0.1415	0.1461	0.1622
MOUNTAIN BELL-CO	0.1095	0.1176	0.1180	0.1227	0.1383	0.1450	0.1595	0.1676
GTE NORTHWEST INC-ID	0.1661	0.1826	0.1825	0.1796	0.2038	0.2113	0.2244	0.2131
MOUNTAIN BELL-ID	0.1012	0.1049	0.1065	0.1148	0.1350	0.1561	0.1640	0.1732
PACIFIC NW BELL-ID	0.1099	0.1121	0.1203	0.1167	0.1285	0.1377	0.1500	0.1676
GTE NORTHWEST INC-MT	0.1356	0.1346	0.1351	0.1315	0.1534	0.1663	0.1689	0.1728
MOUNTAIN BELL-MT	0.1120	0.1248	0.1252	0.1225	0.1365	0.1493	0.1500	0.1645
GTE SOUTHWEST INC-NM	0.1326	0.1348	0.1498	0.1241	0.1615	0.1665	0.1512	0.1696
MOUNTAIN BELL-NM	0.0991	0.1034	0.1084	0.1099	0.1254	0.1346	0.1405	0.1528
MOUNTAIN BELL-UT	0.0810	0.0895	0.0918	0.0971	0.0868	0.1225	0.1290	0.1302
UTC OF THE WEST-WY	0.0000	0.1674	0.1621	0.1573	0.1749	0.2050	0.2255	0.2301
MOUNTAIN BELL-WY	0.1577	0.1723	0.1738	0.1751	0.2114	0.2016	0.2080	0.2237
UTC OF THE NW-WA	0.1117	0.1132	0.1135	0.1192	0.1324	0.1365	0.1356	0.1408
GTE NORTHWEST INC-WA	0.0778	0.0868	0.0888	0.0924	0.0923	0.0976	0.0917	0.1087
PACIFIC NW BELL-WA	0.0789	0.0838	0.0879	0.0883	0.1042	0.1223	0.1244	0.1340
UTC OF THE NW - OR	0.1170	0.1186	0.1231	0.1280	0.1372	0.1384	0.1491	0.1437
GTE NORTHWEST INC-OR	0.1024	0.1069	0.1031	0.1054	0.1020	0.1049	0.1036	0.1269
PACIFIC NW BELL-OR	0.0817	0.0940	0.0963	0.0986	0.1189	0.1552	0.1438	0.1558
CONTEL OF CALIFORNIA	0.0630	0.0639	0.0662	0.0710	0.0733	0.0796	0.0852	0.1029
GTC OF CALIFORNIA	0.0557	0.0570	0.0567	0.0581	0.0590	0.0700	0.0817	0.0893
WEST COAST TEL OF CA	0.1310	0.1265	0.1235	0.1233	0.1195	0.1269	0.1170	0.1173
PACIFIC BELL	0.0587	0.0596	0.0601	0.0639	0.0722	0.0834	0.0825	0.0851
CONTEL OF NV	0.1502	0.1553	0.1554	0.1560	0.2003	0.1874	0.2387	0.2356
NEVADA BELL	0.1822	0.1885	0.1846	0.1966	0.2098	0.2179	0.2036	0.2029
DIAMOND STATE TEL	0.1264	0.1284	0.1296	0.1326	0.1507	0.1804	0.1784	0.1930
C & P TEL CO OF WASH	0.1322	0.1341	0.1327	0.1362	0.1531	0.1917	0.1834	0.1764
NEW ENGLAND TEL - RI	0.0963	0.0990	0.1016	0.1061	0.1159	0.1392	0.1376	0.1506
GTE HAWAIIAN TEL. CO	0.0000	0.0000	0.0595	0.0678	0.0656	0.0829	0.0904	0.1378
PUERTO RICO TEL CO	0.0000	0.0000	0.0000	0.0000	0.0644	0.0784	0.0819	0.0889
AVERAGE SCHEDULE CO.	0.0000	0.0000	0.0000	0.0000	0.1172	0.1209	0.1242	0.1292
ALL OTHER COST CO.	0.0000	0.0000	0.0000	0.0000	0.1172	0.1209	0.1242	0.1292

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	0.2725	0.2987	0.2924	0.2987	0.2987	0.2987	0.2926	0.2865
NEW ENGLAND TEL-MA	0.2581	0.2794	0.2786	0.2794	0.2794	0.2794	0.2757	0.2721
NEW ENGLAND TEL-NH	0.4274	0.4299	0.4243	0.4299	0.4299	0.4299	0.4074	0.3849
SOUTHERN NEW ENGLAND	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3277	0.3166
NEW ENGLAND TEL-VT	0.4222	0.4394	0.4372	0.4394	0.4394	0.4394	0.4158	0.3921
CONTEL OF NY, INC	0.2208	0.2286	0.2379	0.2286	0.2286	0.2286	0.2313	0.2340
ROCHESTER TEL CORP	0.0000	0.0000	0.0000	0.0000	0.2184	0.2217	0.2217	0.2230
NEW YORK TEL CO	0.2710	0.2761	0.2731	0.2647	0.2823	0.2823	0.2783	0.2742
UNITED TEL - NJ, INC	0.0000	0.4156	0.4156	0.4156	0.4156	0.4156	0.3949	0.3190
NEW JERSEY BELL	0.3108	0.3154	0.3188	0.3186	0.3186	0.3186	0.3100	0.3015
GTE NORTH INC. - PA	0.1813	0.1797	0.1785	0.1785	0.2236	0.2258	0.2215	0.2277
UTC OF PENNSYLVANIA	0.2108	0.2197	0.2197	0.2197	0.2197	0.2197	0.2235	0.2277
BELL OF PENNSYLVANIA	0.2090	0.2138	0.2154	0.2152	0.2152	0.2152	0.2195	0.2239
C & P TEL CO OF MD	0.2112	0.2121	0.2117	0.2142	0.2142	0.2142	0.2186	0.2232
CONTEL OF VIRGINIA	0.0000	0.3248	0.3332	0.3248	0.3248	0.3248	0.3154	0.3061
CENTEL OF VIRGINIA	0.2838	0.2903	0.2903	0.2903	0.2903	0.2903	0.2853	0.2814
GTE SOUTH INC. - VA	0.1972	0.2079	0.2005	0.2005	0.2005	0.2005	0.2005	0.2129
UNITED INTER-MT-VA	0.1910	0.2103	0.2103	0.2103	0.2103	0.2129	0.2175	0.2202
C & P TEL CO OF VA	0.2564	0.2666	0.2680	0.2693	0.2693	0.2693	0.2669	0.2645
GTE SOUTH INC. - WV	0.2851	0.2957	0.2933	0.2933	0.2933	0.2933	0.2933	0.2825
C & P TEL CO OF WV	0.2042	0.2124	0.2151	0.2152	0.2152	0.2152	0.2195	0.2239
GTE FLORIDA INC.	0.3634	0.4053	0.4335	0.4335	0.4354	0.4354	0.4354	0.3876
CENTEL OF FLORIDA	0.3398	0.3593	0.3605	0.3593	0.3593	0.3593	0.3405	0.3320
UTC OF FLORIDA	0.0000	0.5015	0.5015	0.5015	0.5015	0.5015	0.4700	0.4386
SOUTHERN BELL-FL	0.3492	0.3646	0.3643	0.3643	0.3643	0.3643	0.3500	0.3357
GTE SOUTH INC.- GA	0.2060	0.2148	0.2213	0.2170	0.2170	0.2170	0.2170	0.2253
SOUTHERN BELL-GA	0.2741	0.2892	0.2891	0.2891	0.2891	0.2891	0.2842	0.2793
CAROLINA TEL & TEL	0.2340	0.2444	0.2444	0.2444	0.2444	0.2444	0.2451	0.2432
CENTEL OF NC	0.1892	0.2009	0.2009	0.2009	0.2009	0.2009	0.2070	0.2132
GTE SOUTH INC - NC	0.2632	0.2992	0.3102	0.3102	0.3102	0.3102	0.3102	0.2952
SOUTHERN BELL-NC	0.2213	0.2442	0.2444	0.2444	0.2444	0.2441	0.2448	0.2456
GTE SOUTH INC. - SC	0.3590	0.3705	0.3261	0.3291	0.3291	0.3291	0.3291	0.3093
UTC OF THE CAROLINAS	0.2733	0.2916	0.2916	0.2916	0.2916	0.2916	0.2864	0.2812
SOUTHERN BELL-SC	0.2013	0.2207	0.2207	0.2207	0.2207	0.2207	0.2244	0.2280
GTE SOUTH INC. - AL	0.2907	0.3172	0.3123	0.3123	0.3123	0.3123	0.3123	0.2967
SO CENTRAL BELL-AL	0.2002	0.2077	0.2078	0.2078	0.2078	0.2078	0.2131	0.2184
GTE SOUTH INC. - KY	0.2553	0.2503	0.2537	0.2537	0.2537	0.2537	0.2537	0.2528
CINCINNATI BELL-KY	0.1205	0.1304	0.1304	0.1304	0.1304	0.1304	0.1454	0.1603
SO CENTRAL BELL-KY	0.1962	0.2030	0.2047	0.2047	0.2047	0.2047	0.2103	0.2160
SO CENTRAL BELL-LA	0.1934	0.1985	0.2023	0.2023	0.2023	0.2023	0.2082	0.2142
SO CENTRAL BELL-MS	0.2338	0.2493	0.2492	0.2492	0.2492	0.2492	0.2493	0.2494

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	0.2054	0.2275	0.2335	0.2335	0.2335	0.2335	0.2335	0.2376
UNITED INTER-MT-TN	0.2088	0.2192	0.2192	0.2192	0.2192	0.2192	0.2231	0.2269
SO. CENTRAL BELL -TN	0.2065	0.2220	0.2236	0.2236	0.2236	0.2236	0.2269	0.2302
GTE NORTH INC. - OH	0.2128	0.2218	0.0223	0.2226	0.2226	0.2258	0.2258	0.2319
CENTEL OF OHIO	0.0000	0.1784	0.1837	0.1784	0.1784	0.1784	0.1874	0.2003
UTC OF OHIO	0.2091	0.2168	0.2168	0.2168	0.2168	0.2168	0.2209	0.2251
CINCINNATI BELL-OH	0.1904	0.1973	0.1973	0.1973	0.1973	0.1973	0.2039	0.2105
OHIO BELL TEL CO	0.1841	0.1896	0.1845	0.1972	0.1972	0.1972	0.1972	0.2104
GTE NORTH INC. - MI	0.1808	0.1845	0.1912	0.1920	0.0000	0.1920	0.1920	0.2065
MICHIGAN BELL TEL CO	0.1642	0.1691	0.1636	0.1725	0.1725	0.1725	0.1725	0.1919
GTE NORTH INC. - IN	0.2869	0.3106	0.3179	0.3179	0.3182	0.3182	0.3182	0.3009
UTC OF INDIANA	0.2880	0.3059	0.3067	0.3067	0.3067	0.3067	0.3020	0.2946
INDIANA BELL TEL CO	0.2184	0.2311	0.2261	0.2355	0.2355	0.2355	0.2355	0.2391
GTE NORTH INC. - WI	0.2570	0.2697	0.2611	0.2611	0.2611	0.2611	0.2611	0.2583
WISCONSIN BELL	0.1994	0.2166	0.2109	0.2201	0.2201	0.2201	0.2201	0.2276
CENTEL OF ILLINOIS	0.0000	0.3181	0.3168	0.3181	0.3181	0.3181	0.3096	0.3001
GTE NORTH INC. - IL	0.2301	0.2561	0.2570	0.2570	0.2570	0.2570	0.2570	0.2553
ILLINOIS BELL TEL CO	0.2609	0.2639	0.2550	0.2701	0.2701	0.2701	0.2701	0.2651
GTE NORTH INC. - IA	0.2502	0.2864	0.2856	0.2856	0.2856	0.2856	0.2856	0.2767
UTC OF IOWA	0.0000	0.2574	0.2574	0.2574	0.2574	0.2574	0.2565	0.2562
NORTHWESTERN BELL-IA	0.2677	0.3069	0.2894	0.3152	0.2849	0.2849	0.2805	0.2762
GTE NORTH INC. - MN	0.2421	0.2473	0.2604	0.2604	0.2604	0.2604	0.2604	0.2578
CENTEL OF MN	0.2269	0.2344	0.2299	0.2344	0.2344	0.2344	0.2364	0.2383
UTC OF MINNESOTA	0.0000	0.1913	0.1913	0.1913	0.1913	0.1913	0.1986	0.2060
NORTHWESTERN BELL-MN	0.2555	0.2718	0.2665	0.2750	0.2707	0.2707	0.2681	0.2655
GTE NORTH INC. - NE	0.2506	0.2759	0.2718	0.2718	0.2715	0.2718	0.2715	0.2664
LINCOLN TEL & TEL CO	0.3055	0.3167	0.3167	0.3167	0.3167	0.3167	0.3083	0.3000
UTC OF THE WEST-NE	0.0000	0.3783	0.3783	0.3783	0.3783	0.3783	0.3323	0.3516
NORTHWESTERN BELL-NE	0.3469	0.3858	0.3876	0.3787	0.1296	0.3784	0.3623	0.3463
NORTHWESTERN BELL-ND	0.2993	0.3241	0.3503	0.3430	0.3241	0.3241	0.3149	0.3056
NORTHWESTERN BELL-SD	0.3301	0.3571	0.3674	0.4002	0.3620	0.3620	0.3480	0.3340
UTC OF ARKANSAS	0.3457	0.3457	0.3457	0.3457	0.3457	0.3457	0.3337	0.3218
GTE SOUTHWEST INC-AR	0.2729	0.3008	0.2896	0.2896	0.2896	0.2896	0.2896	0.2797
SOUTHWESTERN BELL-AR	0.2597	0.2855	0.2851	0.2855	0.2855	0.2855	0.2855	0.2766
UTC OF KANSAS	0.4663	0.4663	0.4663	0.4663	0.4663	0.4663	0.4392	0.4122
SOUTHWESTERN BELL-KS	0.2758	0.2997	0.2999	0.3001	0.3001	0.3001	0.3001	0.2876
GTE NORTH INC. - MO	0.2979	0.3017	0.3115	0.3115	0.3115	0.3115	0.3155	0.2961
UTC OF MISSOURI	0.3503	0.3503	0.3503	0.3503	0.3503	0.3503	0.3378	0.3255
SOUTHWESTERN BELL-MO	0.2691	0.2711	0.2671	0.2709	0.2709	0.2709	0.2709	0.2657
GTE SOUTHWEST INC-OK	0.3167	0.3208	0.3302	0.3302	0.3302	0.3302	0.3302	0.3102
SOUTHWESTERN BELL-OK	0.3031	0.3222	0.3239	0.3223	0.3223	0.3223	0.3223	0.3042

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	0.2261	0.2493	0.2504	0.2504	0.2506	0.2506	0.2506	0.2503
UTC OF TEXAS INC	0.0000	0.1722	0.1722	0.1722	0.1722	0.1722	0.1820	0.1975
CENTEL OF TEXAS	0.4094	0.4130	0.3973	0.4145	0.4118	0.3847	0.3678	0.3918
CONTEL OF TEXAS	0.2072	0.2194	0.2220	0.2194	0.2194	0.2194	0.2232	0.2271
SOUTHWESTERN BELL-TX	0.2205	0.2327	0.2372	0.2347	0.2347	0.2347	0.2347	0.2385
MOUNTAIN BELL - AZ	0.4279	0.4242	0.4423	0.4120	0.4364	0.4364	0.4131	0.3898
MOUNTAIN BELL-CO	0.3925	0.4294	0.4308	0.4477	0.4298	0.4298	0.4073	0.3849
GTE NORTHWEST INC-ID	0.5299	0.5863	0.5895	0.5801	0.5731	0.5731	0.5731	0.4918
MOUNTAIN BELL-ID	0.3409	0.3534	0.3589	0.3867	0.3535	0.3535	0.3406	0.3276
PACIFIC NW BELL-ID	0.3705	0.3778	0.4055	0.3931	0.3787	0.3787	0.3626	0.3465
GTE NORTHWEST INC-MT	0.4597	0.4591	0.4363	0.4510	0.4648	0.4648	0.4648	0.4115
MOUNTAIN BELL-MT	0.3998	0.4454	0.4469	0.4372	0.4450	0.4450	0.4207	0.3963
GTE SOUTHWEST INC-NM	0.4203	0.4300	0.4534	0.4853	0.4853	0.4853	0.4853	0.4026
MOUNTAIN BELL-NM	0.3457	0.3607	0.3782	0.3835	0.3577	0.3577	0.3442	0.3330
MOUNTAIN BELL-UT	0.2851	0.3195	0.3278	0.3466	0.0886	0.3195	0.3108	0.3021
UTC OF THE WEST-WY	0.0000	0.5004	0.5004	0.5004	0.5004	0.5004	0.4691	0.4378
MOUNTAIN BELL-WY	0.5220	0.5704	0.5754	0.5795	0.5670	0.5670	0.5274	0.4878
UTC OF THE NW-WA	0.3987	0.4063	0.4063	0.4063	0.4063	0.4063	0.3867	0.3672
GTE NORTHWEST INC-WA	0.2964	0.3307	0.3384	0.3557	0.3263	0.3263	0.3263	0.3081
PACIFIC NW BELL-WA	0.2848	0.3027	0.3174	0.3187	0.3024	0.3024	0.2959	0.2893
UTC OF THE NW - OR	0.4129	0.4209	0.4148	0.4209	0.4209	0.4209	0.3996	0.3782
GTE NORTHWEST INC-OR	0.3737	0.3903	0.3786	0.3846	0.3917	0.3917	0.3917	0.3516
PACIFIC NW BELL-OR	0.2852	0.3281	0.3361	0.3443	0.3276	0.3276	0.3179	0.3082
CONTEL OF CALIFORNIA	0.2500	0.2536	0.2537	0.2537	0.2537	0.2537	0.2532	0.2699
GTC OF CALIFORNIA	0.2355	0.2413	0.2445	0.2445	0.2486	0.2489	0.2489	0.2492
WEST COAST TEL OF CA	0.4259	0.4086	0.4015	0.4008	0.3980	0.3980	0.3980	0.3615
PACIFIC BELL	0.2438	0.2472	0.2495	0.2496	0.2466	0.2496	0.2496	0.2497
CENTEL OF NV	0.5723	0.5886	0.5886	0.5886	0.5886	0.5886	0.5463	0.5040
NEVADA BELL	0.5993	0.6201	0.6073	0.6264	0.6264	0.6264	0.5793	0.5323
DIAMOND STATE TEL	0.3375	0.3428	0.3436	0.3452	0.3452	0.3452	0.3333	0.3214
C & P TEL CO OF WASH	0.4298	0.4360	0.4358	0.4376	0.4376	0.4376	0.4142	0.3907
NEW ENGLAND TEL - RI	0.2673	0.2868	0.2847	0.2868	0.2868	0.2868	0.2822	0.2776
GTE HAWAIIAN TEL. CO	0.0000	0.0000	0.2885	0.2807	0.2885	0.2885	0.2885	0.2789
PUERTO RICO TEL CO	0.0000	0.0000	0.0000	0.0000	0.2569	0.2569	0.2560	0.3250
AVERAGE SCHEDULE CO.	0.0000	0.0000	0.0000	0.0000	0.3400	0.3400	0.3288	0.3175
ALL OTHER COST CO.	0.0000	0.0000	0.0000	0.0000	0.3252	0.3252	0.3144	

TABLE 4.24

INTERSTATE DEM FACTORS,
BY COMPANY

PAGE 1

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	0.0859	0.0910	0.0958	0.1029	0.1135	0.1358	0.1494	0.1458
NEW ENGLAND TEL-MA	0.0863	0.0903	0.0944	0.1031	0.1190	0.1322	0.1444	0.1466
NEW ENGLAND TEL-NH	0.1496	0.1556	0.1626	0.1739	0.1861	0.2137	0.2394	0.2408
SOUTHERN NEW ENGLAND	0.1121	0.1166	0.1196	0.1273	0.1494	0.1689	0.1698	0.1798
NEW ENGLAND TEL-VT	0.1483	0.1491	0.1498	0.1553	0.1736	0.1910	0.2093	0.2311
CONTEL OF NY, INC	0.0659	0.0681	0.0710	0.0744	0.0827	0.0958	0.1038	0.1098
ROCHESTER TEL CORP	0.0000	0.0000	0.0000	0.0000	0.0721	0.0759	0.0856	0.0885
NEW YORK TEL CO	0.0840	0.0857	0.0883	0.0887	0.1160	0.1285	0.1362	0.1419
UNITED TEL - NJ, INC	0.0000	0.1337	0.1373	0.1447	0.1472	0.1630	0.1751	0.1898
NEW JERSEY BELL	0.1156	0.1177	0.1234	0.1307	0.1476	0.1764	0.1757	0.1868
GTE NORTH INC. - PA	0.0934	0.1008	0.1009	0.0960	0.1104	0.0954	0.1289	0.0000
UTC OF PENNSYLVANIA	0.0673	0.0702	0.0707	0.0733	0.0860	0.0932	0.0989	0.1090
BELL OF PENNSYLVANIA	0.0720	0.0739	0.0768	0.0841	0.1025	0.1215	0.1153	0.1209
C & P TEL CO OF MD	0.0697	0.0700	0.0691	0.0723	0.0824	0.1013	0.1108	0.1218
CONTEL OF VIRGINIA	0.0000	0.1018	0.1045	0.1080	0.1240	0.1363	0.1527	0.1727
CENTEL OF VIRGINIA	0.0891	0.0918	0.0917	0.0994	0.1065	0.1177	0.1245	0.1394
GTE SOUTH INC. - VA	0.1266	0.1342	0.1296	0.1266	0.1437	0.1583	0.1551	0.0000
UNITED INTER-MT-VA	0.0000	0.0714	0.0740	0.0749	0.0905	0.1035	0.1089	0.1161
C & P TEL CO OF VA	0.0774	0.0808	0.0816	0.0858	0.1026	0.1127	0.1166	0.1307
GTE SOUTH INC. - WV	0.1661	0.1733	0.1656	0.1662	0.1864	0.2079	0.2162	0.0000
C & P TEL CO OF WV	0.0697	0.0725	0.0734	0.0764	0.0860	0.0935	0.1001	0.1076
GTE FLORIDA INC.	0.1345	0.1453	0.1492	0.1454	0.1541	0.1646	0.1755	0.0000
CENTEL OF FLORIDA	0.0972	0.1057	0.1121	0.1127	0.1124	0.1253	0.1366	0.1478
UTC OF FLORIDA	0.0000	0.1282	0.1316	0.1341	0.1275	0.1423	0.1514	0.1685
SOUTHERN BELL-FL	0.0913	0.0957	0.0996	0.1048	0.1165	0.1255	0.1385	0.1555
GTE SOUTH INC.- GA	0.1033	0.1048	0.1018	0.1043	0.1265	0.1331	0.1344	0.0000
SOUTHERN BELL-GA	0.0813	0.0855	0.0907	0.0902	0.0977	0.1086	0.1189	0.1334
CAROLINA TEL & TEL	0.0699	0.0725	0.0741	0.0800	0.0878	0.1026	0.1134	0.1345
CENTEL OF NC	0.0561	0.0594	0.0582	0.6291	0.8863	0.0757	0.0827	0.0916
GTE SOUTH INC - NC	0.1105	0.1195	0.1220	0.1337	0.1236	0.1798	0.1896	0.0000
SOUTHERN BELL-NC	0.0697	0.0771	0.0806	0.0867	0.0910	0.0982	0.1070	0.1345
GTE SOUTH INC. - SC	0.1532	0.1588	0.1633	0.1728	0.1639	0.2105	0.2127	0.0000
UTC OF THE CAROLINAS	0.0000	0.0870	0.0939	0.0950	0.1100	0.1107	0.1087	0.1227
SOUTHERN BELL-SC	0.0635	0.0697	0.0726	0.0790	0.0831	0.0856	0.1072	0.1257
GTE SOUTH INC. - AL	0.1443	0.1478	0.1443	0.1501	0.1678	0.1899	0.1914	0.0000
SO CENTRAL BELL-AL	0.0606	0.0630	0.0643	0.0656	0.0761	0.0954	0.1006	0.1009
GTE SOUTH INC. - KY	0.1160	0.1181	0.1191	0.1147	0.1208	0.1690	0.1654	0.0000
CINCINNATI BELL-KY	0.0419	0.0430	0.0493	0.0602	0.0641	0.0885	0.0893	0.0932
SO CENTRAL BELL-KY	0.0640	0.0666	0.0675	0.0692	0.0785	0.0916	0.1049	0.1075
SO CENTRAL BELL-LA	0.0581	0.0601	0.0610	0.0642	0.0748	0.0919	0.0939	0.0938
SO CENTRAL BELL-MS	0.0727	0.0774	0.0775	0.0803	0.0885	0.1062	0.1185	0.1193

TABLE 4.24

INTERSTATE DEM FACTORS,
BY COMPANY

PAGE 2

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	0.0984	0.1135	0.1339	0.1399	0.1424	0.1871	0.1678	0.0000
UNITED INTER-MT-TN	0.0000	0.0696	0.0742	0.0770	0.0828	0.0943	0.0952	0.1132
SO. CENTRAL BELL -TN	0.0625	0.0685	0.0748	0.0810	0.0976	0.1116	0.1154	0.1180
GTE NORTH INC. - OH	0.1032	0.1051	0.1030	0.1030	0.1087	0.1164	0.1251	0.0000
CENTEL OF OHIO	0.0000	0.0513	0.0563	0.0567	0.0710	0.0815	0.0886	0.1132
UTC OF OHIO	0.0636	0.0659	0.0698	0.0752	0.0823	0.0940	0.0930	0.1048
CINCINNATI BELL-OH	0.0531	0.0580	0.0644	0.0672	0.0687	0.1140	0.1156	0.1176
OHIO BELL TEL CO	0.0566	0.0594	0.0645	0.0637	0.0705	0.0742	0.0842	0.1135
GTE NORTH INC. - MI	0.0852	0.0882	0.0882	0.0933	0.1043	0.1106	0.1196	0.0000
MICHIGAN BELL TEL CO	0.0473	0.0484	0.0494	0.0596	0.0619	0.0674	0.0674	0.0967
GTE NORTH INC. - IN	0.1277	0.1373	0.1357	0.1354	0.1424	0.1588	0.1689	0.0000
UTC OF INDIANA	0.0877	0.0951	0.0942	0.0997	0.0993	0.1035	0.1073	0.1194
INDIANA BELL TEL CO	0.0674	0.0706	0.0766	0.0777	0.0767	0.0845	0.0845	0.1243
GTE NORTH INC. - WI	0.1277	0.1298	0.1287	0.1327	0.1418	0.1488	0.1532	0.0000
WISCONSIN BELL	0.0644	0.0696	0.0774	0.0765	0.0792	0.0807	0.0864	0.1269
CENTEL OF ILLINOIS	0.0000	0.0911	0.0872	0.0952	0.1032	0.1151	0.1410	0.1829
GTE NORTH INC. - IL	0.1130	0.1210	0.1239	0.1243	0.1211	0.1074	0.1333	0.0000
ILLINOIS BELL TEL CO	0.0757	0.0779	0.0797	0.0775	0.0842	0.0895	0.0917	0.1314
GTE NORTH INC. - IA	0.1232	0.1365	0.1365	0.1404	0.1434	0.1128	0.1633	0.0000
UTC OF IOWA	0.0000	0.0768	0.0810	0.0845	0.0961	0.1189	0.1270	0.1394
NORTHWESTERN BELL-IA	0.0824	0.0882	0.0878	0.0935	0.1013	0.1651	0.1742	0.1746
GTE NORTH INC. - MN	0.1413	0.1513	0.1538	0.1652	0.1717	0.1613	0.1814	0.0000
CENTEL OF MN	0.0659	0.0682	0.0681	0.0678	0.0792	0.0838	0.0929	0.0991
UTC OF MINNESOTA	0.0000	0.0503	0.0499	0.0517	0.0559	0.0665	0.0735	0.0837
NORTHWESTERN BELL-MN	0.0719	0.0764	0.0678	0.0748	0.0788	0.1257	0.1321	0.1355
GTE NORTH INC. - NE	0.1140	0.1186	0.1178	0.1214	0.1304	0.1488	0.1666	0.0000
LINCOLN TEL & TEL CO	0.0883	0.0913	0.0905	0.0861	0.1006	0.1075	0.1188	0.1362
UTC OF THE WEST-NE	0.0000	0.1184	0.1216	0.1209	0.1287	0.1457	0.1455	0.1506
NORTHWESTERN BELL-NE	0.1063	0.1119	0.1081	0.1090	0.1133	0.1609	0.1733	0.1895
NORTHWESTERN BELL-ND	0.0916	0.0991	0.0910	0.1021	0.1072	0.1424	0.1525	0.1662
NORTHWESTERN BELL-SD	0.1022	0.1106	0.1137	0.1210	0.1322	0.1510	0.1844	0.1920
UTC OF ARKANSAS	0.1007	0.0000	0.1122	0.1157	0.1178	0.1331	0.1541	0.1700
GTE SOUTHWEST INC-AR	0.1453	0.1472	0.1444	0.1439	0.1414	0.1646	0.1802	0.0000
SOUTHWESTERN BELL-AR	0.0806	0.0888	0.0906	0.0934	0.1069	0.1300	0.1351	0.1411
UTC OF KANSAS	0.1331	0.0000	0.1348	0.1410	0.1454	0.1558	0.1729	0.1890
SOUTHWESTERN BELL-KS	0.0806	0.0889	0.0908	0.0967	0.1128	0.1289	0.1359	0.1527
GTE NORTH INC. - MO	0.1330	0.1359	0.1350	0.1457	0.1543	0.1690	0.1869	0.0000
UTC OF MISSOURI	0.0943	0.1009	0.1070	0.1141	0.1047	0.1414	0.1484	0.1512
SOUTHWESTERN BELL-MO	0.0803	0.0824	0.0838	0.0897	0.1024	0.1264	0.1253	0.1280
GTE SOUTHWEST INC-OK	0.1460	0.1472	0.1445	0.1417	0.1408	0.1546	0.1685	0.0000
SOUTHWESTERN BELL-OK	0.0827	0.0887	0.0942	0.0931	0.1103	0.1258	0.1239	0.1347

TABLE 4.24

INTERSTATE DEM FACTORS,
BY COMPANY

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CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	0.0943	0.0943	0.0910	0.0895	0.0942	0.1014	0.1162	0.0000
UTC OF TEXAS INC	0.0000	0.0000	0.0485	0.0437	0.0550	0.0608	0.0600	0.0735
CENTEL OF TEXAS	0.0963	0.0981	0.1043	0.0854	0.1172	0.1218	0.1429	0.1531
CONTEL OF TEXAS	0.0571	0.0609	0.0640	0.0619	0.0698	0.0902	0.0851	0.0928
SOUTHWESTERN BELL-TX	0.0586	0.0635	0.0672	0.0690	0.0804	0.0980	0.0952	0.1025
MOUNTAIN BELL - AZ	0.1109	0.1103	0.1092	0.1080	0.1107	0.1569	0.1597	0.1694
MOUNTAIN BELL-CO	0.1074	0.1153	0.1134	0.1129	0.1129	0.1602	0.1730	0.1711
GTE NORTHWEST INC-ID	0.2597	0.2721	0.2696	0.2698	0.2903	0.3075	0.3124	0.0000
MOUNTAIN BELL-ID	0.1012	0.1049	0.1060	0.1119	0.1203	0.1705	0.1718	0.1792
PACIFIC NW BELL-ID	0.1097	0.1121	0.1115	0.1167	0.1282	0.1377	0.1511	0.1689
GTE NORTHWEST INC-MT	0.2247	0.2330	0.2376	0.2218	0.2436	0.2631	0.2689	0.0000
MOUNTAIN BELL-MT	0.1119	0.1248	0.1252	0.1241	0.1337	0.1606	0.1557	0.1682
GTE SOUTHWEST INC-NM	0.2068	0.2135	0.2169	0.2230	0.2290	0.2290	0.2129	0.0000
MOUNTAIN BELL-NM	0.0949	0.1025	0.1056	0.1051	0.1102	0.1489	0.1553	0.1652
MOUNTAIN BELL-UT	0.0798	0.0876	0.0812	0.0897	0.0852	0.1433	0.1392	0.1354
UTC OF THE WEST-WY	0.0000	0.1672	0.1617	0.1565	0.1735	0.2050	0.2268	0.2311
MOUNTAIN BELL-WY	0.1385	0.1720	0.1696	0.1648	0.1720	0.2129	0.2183	0.2309
UTC OF THE NW-WA	0.1117	0.1132	0.1135	0.1192	0.1324	0.1370	0.1404	0.1409
GTE NORTHWEST INC-WA	0.1086	0.1149	0.1140	0.1163	0.1199	0.1231	0.1249	0.0000
PACIFIC NW BELL-WA	0.0786	0.0836	0.0870	0.0851	0.0842	0.1378	0.1339	0.1405
UTC OF THE NW - OR	0.1170	0.1186	0.1231	0.1280	0.1372	0.1385	0.1526	0.1439
GTE NORTHWEST INC-OR	0.1356	0.1361	0.1327	0.1328	0.1349	0.1367	0.1587	0.0000
PACIFIC NW BELL-OR	0.0878	0.0938	0.0950	0.0876	0.1048	0.1888	0.1574	0.1653
CONTEL OF CALIFORNIA	0.0630	0.0639	0.0662	0.0710	0.0733	0.0805	0.0860	0.1044
GTC OF CALIFORNIA	0.0735	0.0751	0.0728	0.0722	0.0625	0.0840	0.0939	0.0000
WEST COAST TEL OF CA	0.1775	0.1768	0.1714	0.1716	0.1796	0.1815	0.1762	0.0000
PACIFIC BELL	0.0607	0.0619	0.0644	0.0722	0.0881	0.0970	0.0964	0.0976
CENTEL OF NV	0.1856	0.1926	0.1855	0.1838	0.2213	0.1969	0.2015	0.2214
NEVADA BELL	0.1831	0.1893	0.1884	0.2034	0.2204	0.2341	0.2331	0.2055
DIAMOND STATE TEL	0.1282	0.1299	0.1321	0.1372	0.1589	0.1878	0.1989	0.1968
C & P TEL CO OF WASH	0.0991	0.1022	0.1076	0.1226	0.1568	0.2091	0.2145	0.1745
NEW ENGLAND TEL - RI	0.0981	0.1018	0.1053	0.1119	0.1277	0.1487	0.1654	0.1775
GTE HAWAIIAN TEL. CO	0.0000	0.0000	0.0958	0.1041	0.1058	0.1163	0.1380	0.0000
PUERTO RICO TEL CO	0.0000	0.0000	0.0000	0.0000	0.0644	0.0783	0.0818	0.0889
AVERAGE SCHEDULE CO.	0.0000	0.0000	0.0000	0.0000	0.1172	0.1209	0.1242	0.1292
ALL OTHER COST CO.	0.0000	0.0000	0.0000	0.0000	0.1172	0.1209	0.1242	0.1292

TABLE 4.25

WEIGHTED DEM FACTORS,
BY COMPANY

PAGE 1

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
NEW ENGLAND TEL-ME	0.1230	0.1241	0.1295	0.1396	0.1557	0.1944	0.2024	0.1943
NEW ENGLAND TEL-MA	0.0977	0.1021	0.1078	0.1198	0.1395	0.1565	0.1593	0.1618
NEW ENGLAND TEL-NH	0.1810	0.1883	0.1992	0.2149	0.2309	0.2654	0.2982	0.2981
SOUTHERN NEW ENGLAND	0.1423	0.1455	0.1475	0.1534	0.1640	0.1936	0.1931	0.2086
NEW ENGLAND TEL-VT	0.2110	0.2132	0.2177	0.2286	0.2523	0.2692	0.3127	0.3363
CONTEL OF NY, INC	0.2065	0.1158	0.1695	0.1143	0.1195	0.1398	0.1463	0.1549
ROCHESTER TEL CORP	0.0000	0.0000	0.0000	0.0000	0.1023	0.1053	0.1173	0.1286
NEW YORK TEL CO	0.1581	0.1632	0.1629	0.1764	0.1310	0.1439	0.1542	0.1608
UNITED TEL - NJ, INC	0.0000	0.1671	0.1697	0.1766	0.1798	0.1932	0.1960	0.2132
NEW JERSEY BELL	0.1375	0.1385	0.1426	0.1484	0.1660	0.1950	0.1960	0.2082
GTE NORTH INC. - PA	0.0934	0.1008	0.1009	0.0960	0.1104	0.0954	0.1289	0.1435
UTC OF PENNSYLVANIA	0.1145	0.1193	0.1061	0.1114	0.1169	0.1258	0.1357	0.1496
BELL OF PENNSYLVANIA	0.0902	0.0919	0.0935	0.1002	0.1173	0.1399	0.1362	0.1431
C & P TEL CO OF MD	0.0905	0.0903	0.0877	0.0899	0.1004	0.1287	0.1442	0.1570
CONTEL OF VIRGINIA	0.0000	0.1486	0.1548	0.1574	0.1775	0.1804	0.1908	0.2132
CENTEL OF VIRGINIA	0.1514	0.1560	0.1743	0.1788	0.1811	0.2001	0.2122	0.1995
GTE SOUTH INC. - VA	0.1266	0.1342	0.1296	0.1266	0.1437	0.1583	0.1551	0.1738
UNITED INTER-MT-VA	0.0000	0.1220	0.1280	0.1266	0.1460	0.1627	0.1712	0.1810
C & P TEL CO OF VA	0.1000	0.1025	0.1012	0.1040	0.1166	0.1296	0.1322	0.1482
GTE SOUTH INC. - WV	0.1661	0.1733	0.1656	0.1662	0.1864	0.2079	0.2162	0.2424
C & P TEL CO OF WV	0.1054	0.1062	0.1060	0.1099	0.1159	0.1305	0.1371	0.1435
GTE FLORIDA INC.	0.1345	0.1453	0.1492	0.1454	0.1541	0.1646	0.1755	0.1958
CENTEL OF FLORIDA	0.1652	0.1475	0.1540	0.1546	0.1591	0.1869	0.1969	0.2097
UTC OF FLORIDA	0.0000	0.1669	0.1750	0.1762	0.1652	0.1833	0.1935	0.2102
SOUTHERN BELL-FL	0.1134	0.1175	0.1195	0.1230	0.1332	0.1420	0.1528	0.1625
GTE SOUTH INC.- GA	0.1033	0.1048	0.1018	0.1043	0.1265	0.1331	0.1344	0.1501
SOUTHERN BELL-GA	0.1024	0.1037	0.1074	0.1050	0.1122	0.1241	0.1330	0.1417
CAROLINA TEL & TEL	0.1040	0.1068	0.1096	0.1170	0.1260	0.1438	0.1560	0.1780
CENTEL OF NC	0.0954	0.1009	0.1107	0.1132	0.1507	0.1287	0.1406	0.1321
GTE SOUTH INC - NC	0.1105	0.1195	0.1220	0.1337	0.1236	0.1798	0.1896	0.2103
SOUTHERN BELL-NC	0.0959	0.1027	0.1038	0.1083	0.1126	0.1196	0.1268	0.1482
GTE SOUTH INC. - SC	0.1532	0.1588	0.1633	0.1728	0.1639	0.2105	0.2127	0.2604
UTC OF THE CAROLINAS	0.0000	0.1389	0.1517	0.1553	0.1761	0.1710	0.1664	0.1816
SOUTHERN BELL-SC	0.0866	0.0938	0.0959	0.1022	0.1042	0.1114	0.1314	0.1455
GTE SOUTH INC. - AL	0.1443	0.1478	0.1443	0.1501	0.1678	0.1899	0.1914	0.2083
SO CENTRAL BELL-AL	0.0836	0.0853	0.0849	0.0855	0.0959	0.1153	0.1175	0.1137
GTE SOUTH INC. - KY	0.1160	0.1181	0.1191	0.1147	0.1208	0.1690	0.1654	0.1937
CINCINNATI BELL-KY	0.0594	0.0596	0.0659	0.0777	0.0827	0.1054	0.1074	0.1138
SO CENTRAL BELL-KY	0.0955	0.0965	0.0946	0.0950	0.1043	0.1172	0.1301	0.1317
SO CENTRAL BELL-LA	0.0778	0.0794	0.0789	0.0814	0.0927	0.1100	0.1090	0.1044
SO CENTRAL BELL-MS	0.1090	0.1137	0.1127	0.1163	0.1248	0.1433	0.1534	0.1492

TABLE 4.25

WEIGHTED DEM FACTORS,
BY COMPANY

PAGE 2

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTH INC. - TN	0.0984	0.1135	0.1339	0.1399	0.1424	0.1871	0.1678	0.1789
UNITED INTER-MT-TN	0.0000	0.1067	0.1132	0.1169	0.1243	0.1352	0.1346	0.1611
SO. CENTRAL BELL -TN	0.0813	0.0869	0.0926	0.0984	0.1158	0.1296	0.1296	0.1276
GTE NORTH INC. - OH	0.1032	0.1051	0.1030	0.1030	0.1087	0.1164	0.1251	0.1412
CENTEL OF OHIO	0.0000	0.0759	0.0832	0.0817	0.1010	0.1129	0.1218	0.1484
UTC OF OHIO	0.0952	0.0983	0.1000	0.1053	0.1208	0.1364	0.1342	0.1451
CINCINNATI BELL-OH	0.0660	0.0706	0.0777	0.0814	0.0823	0.1261	0.1291	0.1325
OHIO BELL TEL CO	0.0799	0.0834	0.0859	0.0872	0.0720	0.1019	0.1161	0.1322
GTE NORTH INC. - MI	0.0852	0.0882	0.0882	0.0933	0.1043	0.1106	0.1196	0.1284
MICHIGAN BELL TEL CO	0.0676	0.0684	0.0688	0.0718	0.3553	0.0985	0.0990	0.1109
GTE NORTH INC. - IN	0.1277	0.1373	0.1357	0.1354	0.1424	0.1588	0.1689	0.1768
UTC OF INDIANA	0.1376	0.1506	0.1518	0.1622	0.1535	0.1616	0.1620	0.1754
INDIANA BELL TEL CO	0.0978	0.1022	0.1035	0.1068	0.1101	0.1340	0.1265	0.1478
GTE NORTH INC. - WI	0.1277	0.1298	0.1287	0.1327	0.1418	0.1488	0.1532	0.1613
WISCONSIN BELL	0.0833	0.0906	0.0942	0.1004	0.1129	0.1262	0.1216	0.1431
CENTEL OF ILLINOIS	0.0000	0.1166	0.1102	0.1230	0.1309	0.1445	0.1727	0.2155
GTE NORTH INC. - IL	0.1130	0.1210	0.1239	0.1243	0.1211	0.1074	0.1333	0.1532
ILLINOIS BELL TEL CO	0.1034	0.1036	0.1011	0.1067	0.1049	0.1285	0.1256	0.1486
GTE NORTH INC. - IA	0.1232	0.1365	0.1365	0.1404	0.1434	0.1128	0.1633	0.1754
UTC OF IOWA	0.0000	0.1234	0.1378	0.1287	0.1515	0.1791	0.1899	0.1935
NORTHWESTERN BELL-IA	0.0846	0.0902	0.0931	0.1031	0.1267	0.1998	0.1847	0.2210
GTE NORTH INC. - MN	0.1413	0.1513	0.1538	0.1652	0.1717	0.1613	0.1814	0.1947
CENTEL OF MN	0.1044	0.1053	0.1041	0.1013	0.1159	0.1216	0.1326	0.1505
UTC OF MINNESOTA	0.0000	0.0815	0.0815	0.0813	0.0855	0.1003	0.1090	0.1199
NORTHWESTERN BELL-MN	0.0746	0.0795	0.0728	0.0835	0.0893	0.1449	0.1440	0.1625
GTE NORTH INC. - NE	0.1140	0.1186	0.1178	0.1214	0.1304	0.1488	0.1666	0.2095
LINCOLN TEL & TEL CO	0.1230	0.1260	0.1192	0.1077	0.1252	0.1286	0.1452	0.1556
UTC OF THE WEST-NE	0.0000	0.1901	0.2062	0.2044	0.2040	0.2280	0.2327	0.2363
NORTHWESTERN BELL-NE	0.1107	0.1175	0.1165	0.1199	0.1330	0.1900	0.1925	0.2266
NORTHWESTERN BELL-ND	0.0916	0.0991	0.0911	0.1024	0.1116	0.1909	0.1940	0.2342
NORTHWESTERN BELL-SD	0.1022	0.1106	0.1137	0.1222	0.1350	0.2121	0.2244	0.2524
UTC OF ARKANSAS	0.1742	0.0000	0.1927	0.1969	0.1965	0.2196	0.2484	0.2640
GTE SOUTHWEST INC-AR	0.1453	0.1472	0.1444	0.1439	0.1414	0.1646	0.1802	0.2091
SOUTHWESTERN BELL-AR	0.1241	0.1221	0.1214	0.1221	0.1349	0.1583	0.1633	0.1695
UTC OF KANSAS	0.0000	0.0000	0.1935	0.2013	0.2040	0.2161	0.2356	0.2501
SOUTHWESTERN BELL-KS	0.1114	0.1197	0.1168	0.1221	0.1381	0.1534	0.1619	0.1804
GTE NORTH INC. - MO	0.1330	0.1359	0.1350	0.1457	0.1543	0.1690	0.1869	0.2142
UTC OF MISSOURI	0.1469	0.1515	0.1584	0.1673	0.1537	0.2025	0.2104	0.2062
SOUTHWESTERN BELL-MO	0.0958	0.0972	0.0977	0.1038	0.1164	0.1410	0.1418	0.1458
GTE SOUTHWEST INC-OK	0.1460	0.1472	0.1445	0.1417	0.1408	0.1546	0.1685	0.2029
SOUTHWESTERN BELL-OK	0.1089	0.1188	0.1196	0.1147	0.1318	0.1481	0.1479	0.1596

TABLE 4.25

WEIGHTED DEM FACTORS,
BY COMPANY

PAGE 3

CARRIER	1980	1981	1982	1983	1984	1985	1986	1987
GTE SOUTHWEST INC-TX	0.0943	0.0943	0.0910	0.0895	0.0942	0.1014	0.1162	0.1511
UTC OF TEXAS INC	0.0000	0.0000	0.0759	0.0694	0.0829	0.0906	0.0904	0.0994
CENDEL OF TEXAS	0.1370	0.1112	0.1087	0.1145	0.1285	0.1560	0.1774	0.1899
CONTEL OF TEXAS	0.0885	0.0925	0.0943	0.0896	0.0964	0.1194	0.1153	0.1202
SOUTHWESTERN BELL-TX	0.0719	0.0762	0.0789	0.0798	0.0896	0.1080	0.1058	0.1139
MOUNTAIN BELL - AZ	0.1158	0.1161	0.1208	0.1246	0.1424	0.1765	0.1800	0.1936
MOUNTAIN BELL-CO	0.1113	0.1192	0.1217	0.1305	0.1478	0.1849	0.1975	0.1986
GTE NORTHWEST INC-ID	0.2597	0.2721	0.2696	0.2698	0.2903	0.3075	0.3124	0.3200
MOUNTAIN BELL-ID	0.1012	0.1049	0.1069	0.1170	0.1383	0.2082	0.2131	0.2247
PACIFIC NW BELL-ID	0.1097	0.1121	0.1115	0.1167	0.1282	0.1896	0.2026	0.2270
GTE NORTHWEST INC-MT	0.2247	0.2330	0.2376	0.2218	0.2436	0.2631	0.2689	0.2834
MOUNTAIN BELL-MT	0.1119	0.1248	0.1252	0.1243	0.1369	0.2185	0.2150	0.2360
GTE SOUTHWEST INC-NM	0.2068	0.2135	0.2169	0.2230	0.2290	0.2290	0.2129	0.2319
MOUNTAIN BELL-NM	0.0949	0.1031	0.1097	0.1126	0.1258	0.1849	0.1900	0.2118
MOUNTAIN BELL-UT	0.0820	0.0908	0.0913	0.1086	0.1146	0.1633	0.1619	0.1666
UTC OF THE WEST-WY	0.0000	0.2838	0.2773	0.2689	0.2778	0.3152	0.3432	0.3504
MOUNTAIN BELL-WY	0.1391	0.1726	0.1768	0.1816	0.2011	0.2774	0.2840	0.3076
UTC OF THE NW-WA	0.1548	0.1564	0.1565	0.1620	0.1804	0.1811	0.1908	0.1839
GTE NORTHWEST INC-WA	0.1086	0.1149	0.1140	0.1163	0.1199	0.1231	0.1249	0.1440
PACIFIC NW BELL-WA	0.0787	0.0840	0.0886	0.0904	0.1043	0.1555	0.1453	0.1661
UTC OF THE NW - OR	0.1655	0.1672	0.1685	0.1727	0.1876	0.1908	0.2088	0.1979
GTE NORTHWEST INC-OR	0.1356	0.1361	0.1327	0.1328	0.1349	0.1367	0.1587	0.1767
PACIFIC NW BELL-OR	0.0878	0.0942	0.0973	0.0944	0.1407	0.2063	0.1774	0.1931
CONTEL OF CALIFORNIA	0.0926	0.0915	0.0954	0.1010	0.1035	0.1144	0.1174	0.1332
GTC OF CALIFORNIA	0.0735	0.0751	0.0728	0.0722	0.0625	0.0840	0.0939	0.1087
WEST COAST TEL OF CA	0.1775	0.1768	0.1714	0.1716	0.1796	0.1815	0.1762	0.1739
PACIFIC BELL	0.0742	0.0745	0.0758	0.0821	0.0985	0.1088	0.1078	0.1084
CENDEL OF NV	0.2413	0.2504	0.2226	0.2206	0.2480	0.2303	0.2949	0.2983
NEVADA BELL	0.2317	0.2382	0.2324	0.2466	0.2639	0.2486	0.2481	0.2342
DIAMOND STATE TEL	0.1634	0.1696	0.1682	0.1697	0.1940	0.2221	0.2333	0.2304
C & P TEL CO OF WASH	0.1153	0.1182	0.1217	0.1348	0.1723	0.2278	0.2338	0.1962
NEW ENGLAND TEL - RI	0.1157	0.1220	0.1278	0.1384	0.1592	0.1850	0.1984	0.2117
GTE HAWAIIAN TEL. CO	0.0000	0.0000	0.0958	0.1041	0.1058	0.1163	0.1380	0.1893
PUERTO RICO TEL CO	0.0000	0.0000	0.0000	0.0000	0.0703	0.0784	0.1103	0.1171
AVERAGE SCHEDULE CO.	0.0000	0.0000	0.0000	0.0000	0.1177	0.1237	0.1286	0.1368
ALL OTHER COST CO.	0.0000	0.0000	0.0000	0.0000	0.1177	0.1237	0.1286	0.1368

TABLE 4.26

1987 MONTIER 1 NETWORK USAGE DATA
LOOPS, MSG & SLU (IN THOUSANDS)

PAGE 1

FCODE	YR CARRIER	NO. LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
100003	87 LINCOLNVILLE TEL CO	1	279	99	5,907	2,461	2,062	10,430
100004	* CHINA TEL CORP	2	442	194	16,698	4,541	3,151	24,390
100010	* HAMPDEN TEL CO	2	386	169	14,577	3,964	2,751	21,293
100011	87 HARTLAND & ST ALBANS	2	723	154	12,311	6,185	2,473	20,969
100014	87 CONTEL OF MAINE	36	10,223	3,783	216,890	89,069	57,917	363,876
100024	87 SOMERSET TEL CO	8	2,235	622	38,008	20,157	10,791	68,956
100025	* STANDISH TEL CO	5	1,322	579	49,925	13,576	9,422	72,922
100027	87 UNION RIVER TEL CO	1	185	37	2,639	1,644	770	5,054
100029	* UNITY TEL CO	3	635	278	23,981	6,521	4,526	35,028
100031	87 WARREN TEL CO	1	560	96	4,125	5,133	1,502	10,759
100034	87 WEST PENOBSCOT TEL	2	618	95	7,934	5,587	1,582	15,103
120038	87 BREITON WOODS TEL CO	0	49	60	141	376	624	1,141
120039	* GRANITE STATE TEL	6	2,093	916	79,022	21,489	14,913	115,424
120041	87 CONTEL OF NH	9	2,423	1,808	48,849	18,417	23,996	91,262
120045	+ KEARSARGE TEL CO	5	1,537	808	21,368	13,588	12,230	47,186
120046	+ MERIDEN TEL CO	0	86	108	1,535	710	1,409	3,655
120047	87 MERRIMAK COUNTY TEL	6	1,643	794	45,695	18,962	14,472	79,129
120049	87 UNION TEL CO	5	1,104	567	11,729	9,168	8,330	29,227
120050	87 WILTON TEL CO - NH	2	666	436	13,323	6,206	5,835	25,364
140058	87 LUDLOW TEL CO	3	720	559	11,190	5,501	6,205	22,896
140061	87 NORTHFIELD TEL CO	2	718	501	14,329	6,185	7,667	28,182
140062	87 PERKINSVILLE TEL CO	1	225	119	2,303	2,199	1,724	6,225
140068	87 TOPSHAM TEL CO	1	193	125	5,919	2,133	2,150	10,201
140069	87 WATTSFIELD/FAYSTON	4	758	734	19,259	6,107	9,533	34,900
140070	87 CONTEL OF VERMONT	30	7,345	5,545	179,724	63,902	75,837	319,463
150071	87 ARMSTRONG TEL CO-NY	3	774	271	16,321	7,201	4,207	27,729
150072	87 AU SABLE VALLEY TEL	5	269	347	26,287	4,159	6,622	37,067
150073	* BERKSHIRE TEL CORP	4	877	384	33,127	9,008	6,252	48,387
150077	87 CHAMPLAIN TEL CO	4	1,278	1,248	29,403	9,947	8,997	48,348
150078	87 CHAUTAUQUA & ERIE	9	1,928	1,272	62,290	18,893	16,406	97,590
150079	* CHAZY & WESTPORT	3	492	215	18,565	5,048	3,504	27,117
150081	87 CITIZENS HAMMOND NY	1	327	54	4,298	3,025	1,123	8,446
150082	87 CLYMER TEL CO	1	51	55	1,518	484	638	2,640
150084	87 TACONIC TEL CORP	17	4,546	2,486	106,361	52,559	31,842	190,762
150085	87 CROWN POINT TEL CORP	1	242	65	4,107	2,225	1,062	7,394
150088	* DELHI TEL CO	3	537	235	20,276	5,514	3,827	29,616
150091	87 DUNKIRK & FREDONIA	8	1,205	503	80,336	18,528	8,001	106,865
150092	87 EDWARDS TEL CO	1	629	73	9,412	6,253	1,337	17,002
150093	87 EMPIRE TEL CORP	6	2,166	514	26,769	20,101	8,264	55,134
150097	87 GERMANTOWN TEL CO	2	726	156	11,006	7,191	2,913	21,110
150099	87 HANCOCK TEL CO	1	379	187	7,846	3,100	2,436	13,383
150100	87 HIGHLAND TEL CO	47	21,272	8,619	439,682	227,982	150,113	817,776
150104	* MARGARETVILLE TEL CO	2	351	153	13,237	3,600	2,498	19,334
150105	87 MIDDLEBURGH TEL CO	4	107	33	25,029	16,676	4,858	46,563
150106	87 ALLTEL NY-FULTON	36	1,439	725	125,729	16,822	13,313	155,863

TABLE 4.26

1987 MONTIER 1 NETWORK USAGE DATA
LOOPS, MSG & SLU (IN THOUSANDS)

PAGE 2

FCODE	YR	CARRIER	NO.LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
150107	*	NEWPORT TEL CO	2	299	131	11,307	3,075	2,134	16,516
150108	87	NICHOLVILLE TEL CO	1	595	92	11,085	5,253	2,273	18,611
150109	87	ALLTEL NY-JAMESTOWN	39	1,372	1,451	111,165	14,812	20,835	146,811
150110	87	OGDEN TEL CO	16	1,657	913	218,425	23,874	18,184	260,483
150111	*	ONEIDA COUNTY RURAL	3	415	182	15,659	4,258	2,955	22,872
150113	87	ALLTEL NY-RED JACKET	2	664	117	4,723	1,865	561	7,149
150118	*	PORT BYRON TEL CO	3	262	115	9,898	2,692	1,868	14,458
150119	87	RED HOOK TEL CO	11	3,460	1,137	95,328	44,544	21,524	161,397
150122	87	SENECA-GORHAM TEL	7	3,061	413	41,243	30,874	8,183	80,301
150128	87	SYLVAN LAKE TEL CO	13	2,901	1,501	156,317	53,274	33,461	243,052
150133	87	VERNON TEL CO	2	541	127	16,682	5,937	2,580	25,199
150135	87	WARWICK VALLEY-NY	10	2,540	2,025	69,254	39,774	27,502	136,530
150136	87	WESTERN COUNTIES TEL	19	5,927	2,051	144,796	65,556	31,284	241,636
160135	87	WARWICK VALLEY-NJ	7	3,622	880	32,328	42,865	16,032	91,224
170170	87	CONTEL OF PA	47	10,288	4,438	453,469	117,888	71,878	643,234
170177	*	LACKAWAXEN TEL CO	2	642	281	24,247	6,593	4,576	35,416
170189	*	ARMSTRONG TEL CO-PA	1	282	124	10,654	2,897	2,011	15,561
170192	87	NORTH PENN TEL CO	4	834	736	23,373	8,283	8,731	40,388
170194	87	OSWAYO RIVER TEL CO	2	255	301	11,211	2,670	4,021	17,902
170201	87	QUAKER STATE TEL CO	28	5,428	3,839	224,736	56,200	54,645	335,581
170206	87	SUGAR VALLEY TEL CO	1	226	107	4,903	2,198	1,175	8,276
170210	*	VENUS TEL CORP	1	139	61	5,257	1,430	992	7,679
180216	87	ARMSTRONG TEL OF MD	4	1,430	888	23,038	13,951	10,897	47,887
190217	+	AMELIA TEL CORP	2	758	150	24,858	7,780	2,781	35,418
190249	*	ROANOKE & BOTETOURT	6	1,831	802	69,142	18,802	13,049	100,993
200259	*	HARDY TEL CO	2	444	194	16,773	4,561	3,165	24,499
200270	+	MOUNTAIN STATE TEL	16	2,964	1,340	198,500	30,857	18,016	247,373
200278	87	CONTEL OF WV	22	5,445	2,942	275,753	54,317	43,402	373,473
210291	87	FLORALA TEL CO	3	184	128	13,925	2,248	1,925	18,098
210318	87	SOUTHLAND TEL-FL	3	205	214	35,242	3,138	4,044	42,423
210329	87	GULF TEL CO	7	1,304	649	83,442	13,157	10,960	107,559
210330	87	VISTA-UNITED TELCOM	9	1,091	2,433	48,411	18,247	58,713	125,371
210331	87	INDIANTOWN SYSTEM	2	959	201	10,278	9,319	3,854	23,451
210335	87	NORTHEAST FLORIDA	5	1,203	372	44,224	12,535	6,518	63,278
210336	87	ALLTEL FLORIDA INC.	46	11,144	3,957	428,843	117,822	66,297	612,962
210338	87	QUINCY TEL CO-FL DIV	8	1,940	852	112,888	22,726	11,495	147,109
210339	87	ST JOSEPH TEL & TEL	21	4,129	1,997	166,545	40,821	30,492	237,859
220281	87	CONTEL OF SOUTH - GA	60	9,853	2,986	504,557	129,836	68,592	702,985
220324	*	VALLEY TEL CO - GA	4	881	386	33,265	9,046	6,278	48,589
220338	87	QUINCY TEL CO-GA DIV	1	71	119	9,773	949	1,698	12,421
220344	87	ALMA TEL CO	5	1,158	336	57,020	11,287	5,278	73,584
220347	87	BRANTLEY TEL CO	3	776	198	28,726	7,520	3,399	39,645
220351	87	CAMDEN TEL & TEL CO	9	1,167	2,339	91,629	12,707	30,742	135,078
220355	87	CITIZENS TEL CO - GA	4	991	241	44,668	9,320	4,307	58,295
220356	87	COASTAL UTILITIES	20	4,077	3,694	173,638	44,284	71,076	288,999

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FCODE	YR CARRIER	NO.LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
220358	87 DARIEN TEL CO	3	812	304	29,999	7,787	5,030	42,815
220360	87 ELLIJAY TEL CO	6	1,366	377	64,866	12,123	5,110	82,099
220371	* INTERSTATE TEL CO	10	2,094	917	79,080	21,504	14,924	115,508
220377	87 PINELAND TEL COOP	8	1,863	414	92,460	19,197	8,033	119,689
220379	87 PLANT TEL. CO.	7	1,890	467	71,037	18,080	7,577	96,694
220381	87 PUBLIC SERVICE TEL	7	1,952	371	86,944	19,910	7,590	114,444
220386	87 STANDARD TEL CO	32	10,005	3,269	362,108	97,886	45,401	505,394
220392	87 WAVERLY HALL TEL CO	1	262	55	6,456	2,709	977	10,142
220394	87 WILKES TEL & ELC CO	9	1,493	639	97,571	18,210	11,566	127,348
230468	87 ATLANTIC MEMBERSHIP	18	2,569	1,572	145,947	27,159	22,379	195,486
230469	+ BARNARDSVILLE TEL CO	1	217	40	7,455	2,426	715	10,596
230473	87 CITIZENS TEL CO	13	1,784	1,364	145,117	18,846	23,838	187,801
230474	* CONCORD TEL CO	73	11,985	5,246	452,528	123,057	85,401	660,986
230476	87 ALLTEL CAROLINA-NO	87	16,465	8,721	1,065,995	187,139	151,314	1,404,448
230481	87 HEINS TEL CO	23	4,391	1,906	280,641	46,938	32,567	360,147
230502	87 STAR MEMBERSHIP CORP	12	2,648	450	141,042	27,649	12,290	180,981
230509	87 CONTEL OF NC	76	11,064	6,417	920,035	144,511	152,147	1,216,694
230510	87 WILKES MEMBERSHIP	7	807	230	107,253	9,421	4,617	121,291
240512	87 BLUFFTON TEL & APPL	3	842	498	9,076	6,954	5,994	22,024
240520	87 FARMERS TEL COOP	34	5,850	3,353	518,953	58,156	66,394	643,503
240523	87 HARGRAY TEL CO	31	2,757	8,431	179,058	32,335	107,917	319,310
240526	87 CONTEL OF SC	13	1,853	1,082	188,147	21,328	25,505	234,980
240528	87 HORRY TEL COOP	38	5,525	4,040	319,001	52,154	66,523	437,677
240533	87 MCCLELLANVILLE TEL	1	363	85	8,228	3,617	1,775	13,620
240539	87 POND BRANCH TEL CO	7	1,917	388	70,905	16,668	8,144	95,717
240551	87 WILLISTON TEL CO	3	855	281	34,410	8,461	4,372	47,243
250281	87 CONTEL OF THE SOUTH	76	15,009	5,414	1,046,719	189,268	111,551	1,347,538
250284	+ BUTLER TEL CO	3	506	463	46,655	6,171	5,505	58,331
250295	* GRACEBA TOTAL COMM	3	707	310	26,700	7,261	5,039	39,000
250297	+ GROVE HILL TEL CORP	2	519	107	16,793	5,002	1,866	23,661
250298	87 GULF TEL CO - AL	23	3,280	3,449	185,791	33,119	45,792	264,702
250300	87 HOPPER TEL. CO INC	3	807	121	24,832	7,271	2,182	34,285
250304	87 MILLRY TEL CO	5	959	473	50,127	9,275	6,210	65,612
250306	87 MONROEVILLE TEL CO	9	1,581	909	122,057	18,000	18,694	158,751
250314	87 PEOPLES TEL CO	10	1,726	907	116,219	16,450	12,298	144,966
250315	* PINE BELT TEL CO	2	243	106	9,160	2,491	1,729	13,380
250316	87 RAGLAND TEL CO	1	273	46	9,062	2,796	857	12,714
250318	87 SOUTHLAND TEL CO-AL	9	531	898	136,178	18,765	16,962	171,905
250461	87 SOUTHEAST MS TEL CO	2	392	190	9,736	3,457	2,631	15,824
260410	87 CONTEL OF KENTUCKY	54	9,914	3,643	791,299	100,413	93,920	985,632
270422	+ ATHENS TEL CO	0	123	19	2,112	1,086	388	3,587
270423	+ CENTRAL LOUISIANA	13	3,209	778	151,873	29,375	16,025	197,273
270424	+ COASTAL TEL & ELECTR	9	3,090	505	97,202	24,532	8,552	130,286
270425	87 CAMERON TEL CO - LA	6	1,500	590	53,188	15,172	8,381	76,741
270427	* CHATHAM TEL CO	1	132	58	4,968	1,351	938	7,256

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270429	87	EAST ASCENSION TEL	21	6,038	1,971	282,371	51,596	28,517	362,484
270430	87	ELIZABETH TEL CO	2	455	108	25,189	5,441	2,645	33,275
270431	+	CADDOAN TEL CO	8	1,623	934	80,079	15,531	14,532	110,143
270433	87	LAFOURCHE TEL CO	11	2,737	1,099	113,606	19,411	9,657	142,674
270434	+	EVANGELINE TEL CO	25	7,189	1,485	303,107	63,229	24,840	391,176
270435	87	NORTHEAST LOUISIANA	1	306	68	7,564	3,120	1,357	12,041
270436	+	NORTHWEST LOUISIANA	1	275	93	7,830	2,390	1,612	11,832
270437	+	PLAIN DEALING TEL CO	1	416	128	18,509	3,549	2,349	24,407
270439	*	RINGGOLD TEL CO	1	214	93	8,064	2,193	1,522	11,779
270440	+	CENTURY TEL CO	1	605	115	21,045	6,091	2,169	29,304
270442	+	LOUISIANA WESTERN	3	954	245	33,231	8,508	4,507	46,247
270443	+	UTC OF LOUISIANA	2	711	225	27,756	6,512	4,076	38,344
280446	87	BAY SPRINGS TEL CO	8	1,740	507	107,176	16,781	9,714	133,671
280451	*	DECATUR TEL CO -MS	1	184	81	6,959	1,892	1,313	10,165
280452	87	DELTA TEL CO	3	507	203	30,516	4,581	3,429	38,526
280454	87	FRANKLIN TEL CO - MS	6	1,122	410	70,214	10,565	8,490	89,269
280458	*	HOME TEL CO-OLIVE BR	7	2,816	1,233	106,343	28,918	20,069	155,330
280459	87	HUGHES TEL CO	5	513	285	70,524	5,302	7,315	83,142
280464	87	NOXAPATER TEL CO	1	117	39	14,005	1,281	1,173	16,459
280466	*	SLEDGE TEL CO	0	85	37	3,206	872	605	4,682
290552	*	ADAMSVILLE TEL CO	6	944	413	35,651	9,695	6,728	52,074
290571	87	MILLINGTON TEL CO	16	1,368	2,586	258,975	19,025	47,148	325,148
290575	+	TENNESSEE TEL CO	33	3,828	3,052	474,429	38,230	40,030	552,688
290579	87	TWIN LAKES TEL COOP	23	3,279	1,466	290,489	32,296	25,908	348,692
300597	+	THE CHILLICOTHE TEL	25	3,474	1,058	344,674	45,573	25,860	416,108
300607	+	CONTEL OF OHIO	2	430	93	15,861	3,796	1,433	21,090
300613	87	FAYETTEVILLE TEL CO	1	306	58	9,604	2,997	1,048	13,649
300649	*	ORWELL TEL CO	5	793	347	29,952	8,145	5,653	43,749
300665	87	ALLTEL OHIO-WEST OH	18	5,099	1,231	143,921	50,235	20,223	214,379
300682	87	C, C & S TELCO -OHIO	0	117	51	2,147	1,119	768	4,034
310678	*	BLANCHARD TEL ASSN	1	81	35	3,057	831	577	4,465
310679	87	BLOOMINGDALE TEL CO	1	689	83	5,443	6,070	1,526	13,040
310680	87	CHIPPEWA COUNTY TEL	1	243	37	2,799	2,094	781	5,674
310681	87	ALLTEL MICHIGAN INC.	37	13,552	3,980	294,332	134,720	56,281	485,332
310682	87	C, C & S TELCO - MI	17	4,242	1,252	120,841	45,983	21,500	188,324
310683	+	CARR TEL CO	1	239	22	3,168	2,310	466	5,945
310685	87	CHATHAM TEL CO - MI	2	525	110	15,607	4,733	2,118	22,458
310687	87	CLAYTON TEL CO	1	286	42	1,781	2,754	649	5,185
310699	87	HICKORY TEL CO	1	185	79	13,571	2,651	1,562	17,785
310702	+	CENTURY OF MICHIGAN	39	12,308	1,637	224,957	121,343	27,722	374,022
310704	87	ACE TEL OF MICHIGAN	3	1,101	99	9,193	10,068	1,774	21,035
310711	87	MIDWAY TEL CO	1	168	44	3,832	1,740	811	6,382
310713	87	HLAWATHA TEL CO	3	223	709	19,215	7,270	3,842	30,327
310717	87	ONTONAGON COUNTY TEL	4	549	294	29,645	5,729	4,866	40,240
310721	87	PIGEON TEL CO	3	1,116	129	12,157	10,427	2,019	24,602

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FCODE	YR	CARRIER	NO.LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
310728	87	SPRINGPORT TEL CO	2	651	47	6,894	5,818	1,016	13,728
310732	+	UPPER PENINSULA TEL	3	1,083	298	16,478	10,330	5,093	31,902
310734	*	WALDRON TEL CO	1	130	57	4,895	1,331	924	7,151
310735	*	WESTPHALIA TEL CO	1	34	15	1,287	350	243	1,880
310738	87	WOLVERINE TEL CO	7	2,575	249	60,682	27,351	5,540	93,573
320753	87	CLAY CTY RURAL COOP	8	1,989	455	78,827	19,027	6,522	104,376
320762	87	ELNORA TEL CO	0	85	20	3,213	825	313	4,351
320778	87	HOME TEL CO INC	2	342	77	17,956	3,751	1,429	23,136
320779	87	CONTEL OF INDIANA	135	26,681	15,906	1,337,823	282,716	219,729	1,840,268
320797	87	NEW PARIS TEL INC	2	368	155	13,630	3,249	2,373	19,251
320800	87	NORTHWESTERN INDIANA	7	2,666	967	69,705	26,385	14,570	110,659
320807	*	PERRY-SPENCER RURAL	4	517	227	19,538	5,313	3,687	28,538
320813	*	PULASKI-WHITE RURAL	2	190	83	7,162	1,948	1,352	10,461
320830	*	TRI-COUNTY TEL CO	3	419	183	15,817	4,301	2,985	23,104
320839	*	YECMAN TEL CO, INC	1	115	50	4,350	1,183	821	6,354
330841	87	CENCOM OF WISCONSIN	21	3,699	1,290	142,398	40,893	20,692	203,982
330842	*	AMERY TEL CO	5	1,284	562	48,499	13,189	9,153	70,841
330843	*	AMHERST TEL CO	3	434	190	16,402	4,460	3,095	23,958
330844	87	BADGER STATE TEL CO	4	808	211	35,661	7,926	3,607	47,194
330851	+	BONDUEL TEL CO	1	315	57	11,902	315	57	12,274
330855	*	BRUCE TEL CO, INC	1	253	111	9,540	2,594	1,800	13,935
330856	+	BURLINGTON B&W	3	771	316	14,048	3,965	885	18,898
330857	*	CASCO TEL CO	1	70	31	2,660	723	502	3,885
330858	*	LAKESHORE TEL CO	1	107	47	4,026	1,095	760	5,881
330859	87	CENTRAL STATE TEL CO	7	1,723	359	48,244	16,436	6,488	71,167
330860	87	CHEQUAMEGON TEL COOP	6	956	439	21,900	8,557	7,087	37,544
330861	*	CHIBARDUM TEL COOP	4	671	294	25,344	6,892	4,783	37,019
330870	87	CRANDON TEL CO	2	411	90	14,262	4,421	1,886	20,570
330876	+	DODGE COUNTY TEL CO	1	215	25	6,123	2,433	400	8,956
330882	+	FENNIMORE TEL CO	2	400	120	11,541	4,412	1,484	17,438
330883	87	FOOTVILLE TEL CO	1	123	48	9,204	1,314	740	11,258
330888	87	GREENWOOD TEL CO	1	197	51	12,816	2,633	984	16,432
330889	*	HAGER CITY TEL CO	2	387	169	14,604	3,971	2,756	21,332
330891	+	HEADWATERS TEL CO	3	139	149	13,007	5,488	2,949	21,444
330892	*	HILLSBORO TEL CO	1	159	70	6,010	1,634	1,134	8,779
330895	+	CENTURY OF WISCONSIN	44	4,270	4,404	425,449	62,896	87,730	576,075
330898	87	LARSEN-READFIELD TEL	2	545	73	13,817	4,939	1,117	19,874
330900	*	LEMONWEIR VALLEY TEL	2	509	223	19,223	5,227	3,628	28,078
330905	*	MANAWA TEL CO	2	196	86	7,413	2,016	1,399	10,828
330908	87	MARQUETTE-ADAMS COOP	3	639	299	11,960	5,927	6,672	24,560
330909	87	MIDWAY TEL CO	6	1,367	617	52,178	12,246	5,937	70,361
330910	*	MILLTOWN MUTUAL TEL	2	449	196	16,948	4,609	3,198	24,756
330913	87	MONROE COUNTY TEL CO	9	1,759	898	67,783	17,347	14,672	99,802
330914	+	MOSEL & CENTERVILLE	3	530	131	27,670	6,226	2,049	35,945
330916	87	MOUNT HOREB TEL CO	3	405	176	27,002	4,567	3,013	34,582

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330917	87	MT VERNON TEL CO	5	884	397	51,710	10,253	6,742	68,705
330920	*	NIAGARA TEL CO	3	1,613	706	60,913	16,564	11,496	88,973
330922	+	NORTH-WEST TEL CO	53	10,278	3,645	450,383	113,195	66,064	629,642
330925	*	BAYLAND TEL CO	1	163	71	6,144	1,671	1,160	8,975
330931	87	PEOPLES TEL CO	5	1,393	291	38,305	13,101	4,471	55,876
330934	+	PLATTEVILLE TEL CO	8	1,147	666	46,841	14,729	9,827	71,397
330936	87	INDIANHEAD TEL CO	2	365	89	7,513	3,479	1,727	12,718
330937	+	PRICE COUNTY TEL CO	3	699	305	25,168	7,343	4,664	37,175
330940	+	RHINELANDER TEL CO	9	1,703	662	84,861	18,822	12,657	116,341
330941	*	RIB LAKE TEL CO	1	116	51	4,381	1,191	827	6,399
330943	+	ROCK RIVER TEL CO	1	352	116	9,315	4,210	1,701	15,226
330945	+	SCANDINAVIA TEL CO	2	472	127	10,785	5,080	1,417	17,282
330948	*	SHELL LAKE TEL CO	2	336	147	12,673	3,446	2,392	18,510
330949	*	SIREN TEL CO, INC	2	374	164	14,113	3,838	2,663	20,614
330950	87	SOLOM SPRINGS TEL CO	14	2,313	1,522	77,178	23,004	21,089	121,271
330952	87	SE TEL OF WISCONSIN	5	1,472	380	45,408	14,865	7,984	68,257
330954	+	STOCKBRIDGE & SHERWD	2	525	65	15,609	5,735	1,071	22,415
330956	87	UNIVERSAL OF N WISC	10	2,134	695	59,884	21,534	12,199	93,617
330959	*	THORP TEL CO	2	284	124	10,722	2,916	2,023	15,661
330961	*	TURTLE LAKE TEL CO	1	179	79	6,774	1,842	1,278	9,894
330963	87	UNITED TELEQUIPMENT	13	2,030	1,067	88,195	21,246	19,014	128,455
330964	+	URBAN TEL CORP	17	3,301	793	148,891	35,227	12,937	197,054
330965	87	VALDERS TEL CO	2	487	68	15,194	4,710	1,270	21,174
330967	*	VIROQUA TEL CO	3	472	207	17,836	4,850	3,366	26,053
330973	*	WITTENBERG TEL CO	2	179	78	6,752	1,836	1,274	9,862
330974	87	WOOD COUNTY TEL CO	21	3,085	1,332	193,659	30,315	21,568	245,542
341000	87	ALLTEL ILLINOIS INC.	39	9,749	4,602	331,800	102,255	82,032	516,087
341003	*	EGYPTIAN COOP ASSN	2	356	156	13,430	3,652	2,534	19,616
341004	87	EL PASO TEL CO	2	596	129	9,850	5,440	1,733	17,024
341009	*	C-R TEL CO	1	110	48	4,165	1,133	786	6,084
341011	87	LAKESIDE TEL CO	1	221	57	5,151	2,326	639	8,115
341023	87	GRIDLEY TEL CO	1	546	141	5,214	5,165	1,546	11,925
341036	87	CONTEL OF ILLINOIS	159	47,105	14,199	1,165,987	526,852	258,011	1,950,850
341037	87	IL CONSOLIDATED TEL	75	34,153	8,024	648,381	224,051	103,332	975,765
341038	87	INLAND TEL CO	4	1,860	195	21,060	18,886	4,005	43,952
341045	87	LEAF RIVER VLY TEL	1	229	24	2,262	2,170	467	4,899
341055	87	MIDLAND TEL CO	4	1,562	220	22,905	16,520	3,646	43,071
341060	87	MOULTRIE INDEPENDENT	1	238	22	4,283	2,333	532	7,149
341073	87	PRAIRIE TEL CO	1	294	46	6,234	2,983	878	10,096
351105	87	AYRSHIRE FARMERS MUT	0	155	18	1,442	1,309	317	3,068
351110	87	BERNARD TEL CO INC	0	179	29	3,829	1,572	553	5,954
351113	*	BROOKLYN MUTUAL TEL	1	175	77	6,613	1,798	1,248	9,659
351153	*	DUNKERTON TEL COOP	1	106	46	4,006	1,089	756	5,851
351207	87	CONTEL OF IOWA, INC.	70	17,817	4,820	566,607	178,063	74,617	819,286
351214	*	KALONA COOP TEL CO	1	313	137	11,802	3,209	2,227	17,238

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351229	87	LOST NATION-ELWOOD	1	193	30	5,466	1,711	637	7,814
351316	*	UNITED FARMERS TEL	1	120	53	4,540	1,234	857	6,631
351327	87	WEBB-DICKENS TEL	0	196	27	1,559	1,854	579	3,992
351329	*	WELLMAN COOP TEL	1	168	74	6,358	1,729	1,200	9,286
351346	+	ACE TEL ASSN-IA	4	573	232	22,580	5,987	3,235	31,801
351888	87	GRAND RIVER MUT-IA	6	1,141	585	45,634	12,078	8,817	66,530
361140	87	CONTEL OF MINNESOTA	95	23,041	6,477	745,343	268,265	104,578	1,118,187
361346	+	ACE TEL ASSN-MN	9	1,560	912	75,625	16,662	12,530	104,817
361350	*	ARVIG TEL CO	9	1,158	507	43,723	11,890	8,251	63,864
361357	*	BLACKDUCK TEL CO	1	154	67	5,821	1,583	1,099	8,503
361362	*	BRIDGEWATER TEL CO	4	819	359	30,940	8,414	5,839	45,192
361370	*	CLARA CITY TEL EXCH	2	152	66	5,732	1,559	1,082	8,372
361373	*	CONSOLIDATED TEL CO	6	710	311	26,818	7,293	5,061	39,171
361374	+	ARROWHEAD COMM CORP	1	61	10	1,844	1,423	379	3,645
361379	*	DEER RIVER TEL CO	2	215	94	8,125	2,210	1,533	11,868
361383	*	EAGLE VALLEY TEL CO	1	64	28	2,404	654	454	3,512
361385	87	EAST OTTER TAIL TEL	13	1,861	691	84,568	20,509	11,606	116,683
361387	*	EMILY COOP TEL CO	1	106	46	3,985	1,084	752	5,821
361395	*	GARDEN VALLEY TEL CO	13	2,336	1,023	88,218	23,989	16,649	128,856
361399	*	GRANADA TEL CO	0	28	12	1,055	287	199	1,541
361401	*	HALSTAD TEL CO	2	389	170	14,684	3,993	2,771	21,448
361410	*	JOHNSON TEL CO	1	169	74	6,395	1,739	1,207	9,340
361414	+	LAKEDALE TEL CO	9	3,048	418	45,592	29,050	7,184	81,826
361425	*	MADELIA TEL CO	2	202	88	7,616	2,071	1,437	11,125
361433	87	MID STATE TEL CO	5	1,006	219	41,596	12,230	4,429	58,255
361442	*	NEW ULM TELECOM, INC	8	1,513	662	57,142	15,539	10,784	83,465
361443	*	NORMAN COUNTY TEL CO	4	751	329	28,370	7,715	5,354	41,439
361445	*	NORTHLAND TEL CO	1	87	38	3,276	891	618	4,785
361451	*	PAUL BUNYAN RURAL	5	790	346	29,838	8,114	5,631	43,583
361482	*	SHERBURNE CTY RURAL	5	680	298	25,681	6,984	4,847	37,511
361483	*	SLEEPY EYE TEL CO	5	565	247	21,348	5,805	4,029	31,182
361487	*	STARBUCK TEL CO	1	124	54	4,694	1,277	886	6,857
361491	+	TWIN VALLEY-ULEN TEL	3	601	192	25,839	6,542	2,983	35,364
361499	*	CROSSLAKE TEL CO	1	138	60	5,199	1,414	981	7,594
371516	+	ARAPAHOE TEL CO	1	250	61	6,995	2,453	1,008	10,457
371517	87	ARLINGTON TEL CO	1	368	89	6,028	3,580	1,290	10,898
371524	87	BLAIR TEL CO	5	1,637	712	43,891	14,248	9,018	67,157
371525	87	THREE RIVER TELCO	1	291	107	7,526	3,010	1,642	12,177
371530	*	CONSOLIDATED TELCO	1	268	117	10,105	2,748	1,907	14,760
371531	*	CLARKS TEL CO	1	118	51	4,440	1,208	838	6,486
371534	87	COZAD TEL CO	2	774	246	15,853	6,336	2,844	25,033
371536	87	CURTIS TEL CO	1	184	50	5,239	2,267	915	8,421
371537	87	DALTON TEL CO, INC	1	371	145	6,870	3,540	2,413	12,823
371540	87	DILLER TEL CO	1	289	66	5,173	2,477	906	8,557
371542	87	EASTERN NEBRASKA TEL	2	747	308	16,235	6,482	3,811	26,527

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FCODE	YR	CARRIER	NO. LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
371553	*	GLENWOOD TEL MEMBER	3	377	165	14,245	3,874	2,688	20,807
371557	87	HARTMAN TEL EXCH INC	0	89	77	2,807	951	1,023	4,781
371558	87	HEMINGFORD COOP TEL	1	102	64	8,609	1,097	1,018	10,723
371561	*	HERSHEY COOP TEL CO	1	164	72	6,190	1,683	1,168	9,041
371565	*	K & M TEL CO, INC	1	98	43	3,704	1,007	699	5,411
371567	87	KEYSTONE-ARTHUR TEL	1	114	37	971	1,017	631	2,620
371574	87	NEBRASKA CENTRAL TEL	4	832	140	22,578	8,383	2,719	33,679
371576	*	NORTHEAST NEBRASKA	4	645	282	24,343	6,620	4,594	35,556
371577	87	GREAT PLAINS COMMUN	25	6,809	2,350	164,480	66,205	37,472	268,157
371580	87	PETERSBURG TEL CO	0	151	16	2,351	1,439	268	4,058
371581	*	PIERCE TEL CO	2	198	87	7,467	2,030	1,409	10,906
371586	87	ROCK COUNTY TEL CO	1	259	96	7,381	2,957	1,369	11,707
371587	*	RODEO TEL, INC	2	381	167	14,368	3,907	2,712	20,987
371591	*	SE NEBRASKA TEL CO	4	935	409	35,319	9,604	6,665	51,589
371592	87	STANTON TEL CO, INC	1	313	126	7,960	2,777	995	11,732
371597	87	WAUNETA TEL CO	1	173	62	3,587	1,610	920	6,116
372455	*	BENKELMAN TEL CO	1	288	126	10,865	2,955	2,050	15,870
381447	87	CONTEL OF N. DAKOTA	10	1,547	535	76,739	19,322	11,804	107,864
381604	*	BEK TEL MUTUAL AID	4	616	270	23,253	6,323	4,388	33,965
381607	87	CONSOLIDATED COOP	4	754	344	38,258	8,018	6,039	52,315
381610	*	DAKOTA CENTRAL RURAL	2	425	186	16,032	4,360	3,025	23,417
381611	*	DICKEY RURAL COOP	3	554	243	20,923	5,690	3,949	30,562
381616	87	INTER-COMMUNITY TEL	1	408	87	9,124	3,710	1,716	14,549
381617	*	MIDSTATE TEL CO	2	335	147	12,651	3,440	2,387	18,478
381625	*	NORTHWEST COMM COOP	4	633	277	23,886	6,495	4,508	34,889
381630	*	POLAR COMM MUT AID	9	1,807	791	68,229	18,554	12,876	99,658
381632	87	RESERVATION TEL COOP	4	1,061	337	35,863	10,179	6,455	52,497
381634	87	SOURIS RIVER TEL MUT	12	2,334	1,228	88,639	24,555	27,816	141,010
381636	*	UNITED TEL MUTUAL	4	825	361	31,162	8,474	5,881	45,517
381637	87	W. RIVER MUTUAL AID	9	1,704	602	80,182	20,232	14,747	115,160
391643	87	CONTEL OF S. DAKOTA	8	1,295	534	53,827	15,691	13,906	83,424
391645	*		3	496	217	18,725	5,092	3,534	27,351
391647	87	CHEYENNE RIVER SIOUX	2	419	159	20,686	4,180	3,236	28,101
391659	87	GOLDEN WEST TELECOMM	12	2,371	1,377	94,168	23,054	22,131	139,354
391666	87	JEFFERSON TEL CO -SD	0	77	146	1,859	628	1,741	4,229
391667	87	KADOKA TELEPHONE CO	1	108	99	2,696	1,014	943	4,652
391668	87	KENNEBEC TEL CO	0	95	28	1,299	916	363	2,579
391669	*	MCCOOK COOP TEL CO	1	122	53	4,597	1,250	867	6,714
391670	*	MIDSTATE TEL COMPANY	2	443	194	16,738	4,552	3,159	24,449
391676	*	SANBORN TEL COOP	2	360	157	13,586	3,694	2,564	19,844
391680	*	SULLY BUTTES TEL	4	796	348	30,047	8,171	5,670	43,888
391689	87	WEST RIVER COOP	2	255	181	16,159	3,102	2,678	21,939
401691	87	ALLTEL ARKANSAS INC	57	16,277	7,045	621,221	152,340	102,612	876,173
401692	87	ARKANSAS TEL CO	5	949	506	48,802	7,565	9,057	65,424
401697	87	CENTRAL ARKANSAS TEL	2	565	113	18,391	5,089	2,419	25,899

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FCODE	YR CARRIER	NO.LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
401698	87 CLEVELAND COUNTY TEL	1	663	96	15,020	6,652	2,061	23,733
401699	87 DECATUR TEL CO INC	1	315	132	3,508	2,214	1,773	7,496
401702	87 SOUTH ARKANSAS TEL	3	776	168	27,688	6,913	3,480	38,082
401705	+ LIBERTY TEL & COMM	11	1,983	1,098	103,482	18,129	18,139	139,750
401709	87 MADISON COUNTY TEL	2	597	212	22,202	5,400	4,342	31,943
401711	+ MOUNTAIN HOME TEL	14	1,288	1,599	95,879	12,303	28,238	136,420
401713	87 NORTH ARKANSAS TEL	4	1,211	483	22,992	10,086	9,497	42,575
401720	+ REDFIELD TEL CO	1	440	55	9,251	3,783	1,292	14,326
401722	* E RITTER TEL CO	4	1,065	466	40,204	10,933	7,587	58,724
401724	* SW ARKANSAS TEL COOP	4	1,106	484	41,750	11,353	7,879	60,983
401726	87 TRI-COUNTY TEL CO-AR	4	708	276	42,364	6,794	6,533	55,691
401727	+ UNION TEL CO INC	1	93	66	3,166	886	897	4,949
401729	87 WALNUT HILL TEL CO	4	950	553	30,619	10,543	8,673	49,835
401730	87 CONTEL OF ARKANSAS	63	18,412	6,915	764,812	170,744	125,403	1,060,958
401733	87 YELCOT TEL CO INC	2	566	262	22,469	5,292	4,937	32,697
401734	87 YELL COUNTY TEL CO	4	1,117	231	33,890	10,272	4,824	48,986
411741	87 ASSARIA TEL EXCHANGE	0	38	245	2,100	2,181	796	5,077
411746	87 BLUE VALLEY TEL CO	3	994	203	13,325	8,933	3,016	25,274
411761	87 CUNNINGHAM TEL CO	2	445	62	7,918	4,859	1,723	14,499
411764	87 ELKHART TEL CO INC	2	237	259	9,178	2,335	3,470	14,983
411777	* GOLDEN BELT TEL ASSN	4	567	248	21,392	5,817	4,037	31,246
411780	* HAVILAND TEL CO	4	519	227	19,605	5,331	3,700	28,636
411781	87 H & B COMMUNICATIONS	1	358	70	3,978	3,319	1,194	8,491
411782	87 HOME TEL CO	1	550	81	6,261	4,922	1,480	12,663
411785	87 J. B. N. TEL CO INC	2	746	143	12,065	7,389	2,961	22,415
411788	87 KANOKLA TEL ASSN-KS	2	590	215	11,446	5,894	3,149	20,489
411789	87 KANSAS STATE TEL CO	5	656	1,172	42,671	7,095	13,543	63,309
411790	87 CONTEL OF KANSAS	45	16,795	3,148	258,847	167,448	66,316	492,612
411801	87 MADISON TEL CO INC	1	200	35	4,331	1,738	753	6,821
411807	87 MOKAN DIAL INC-KS	2	711	255	10,110	6,756	3,379	20,244
411808	87 MOUNDRIDGE TEL CO	2	757	190	13,773	6,388	3,856	24,017
411814	87 PEOPLES MUTUAL TEL	1	296	172	6,131	2,675	1,834	10,641
411818	87 CRAW-KAN TEL COOP	12	3,631	1,136	73,874	33,876	17,470	125,221
411820	* RAINBOW TEL COOP	2	306	134	11,563	3,144	2,182	16,889
411826	87 RURAL TEL SERVICE CO	7	2,236	409	40,600	21,199	7,882	69,681
411827	87 S & T TEL COOP ASSN	2	582	144	8,366	5,836	2,546	16,747
411829	* S & A TEL CO INC	1	110	48	4,168	1,133	787	6,087
411831	87 S. CENTRAL TEL - KS	1	408	80	4,551	3,830	1,545	9,926
411833	* SOUTHERN KANSAS TEL	3	552	242	20,845	5,668	3,934	30,447
411835	87 SUNFLOWER TEL CO	4	948	408	26,786	9,256	6,656	42,698
411839	* TRI-COUNTY TEL ASSN	3	458	201	17,301	4,705	3,265	25,271
411840	87 TWIN VALLEY TEL INC	2	706	103	10,796	6,494	2,341	19,632
411841	87 UNITED TEL ASSN	5	1,799	459	23,436	16,300	7,268	47,005
411845	* WAMEGO TEL CO INC	4	634	277	23,922	6,505	4,515	34,942
411847	* THE WHEAT STATE TEL	2	284	124	10,710	2,912	2,021	15,644

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FCODE	YR CARRIER	NO.LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
411849	87 WILSON TEL CO INC	2	623	104	10,794	6,063	2,268	19,126
411852	87 ZENDA TEL COMPANY	0	104	12	1,049	1,082	218	2,349
412030	87 TOTAH TELEPHONE CO	1	447	146	4,855	4,251	2,433	11,539
421807	87 MOKAN DIAL INC-MO	1	238	51	4,108	2,178	758	7,044
421846	87 CONTINENTAL SYS. -MO	35	10,641	3,999	335,632	97,079	57,201	489,912
421859	87 BOURBEUSE TEL	2	535	75	8,823	5,400	1,740	15,963
421865	87 CITIZENS TEL CO - MO	4	1,051	254	15,268	10,761	4,677	30,706
421873	87 EASTERN MISSOURI TEL	2	934	112	13,624	8,621	2,322	24,567
421882	87 FIDELITY TEL CO	10	2,704	630	72,386	27,295	12,044	111,725
421885	87 ALLTEL MISSOURI	20	6,497	1,696	187,544	62,357	34,034	283,935
421886	87 GOODMAN TEL CO	1	506	159	6,784	4,392	2,771	13,947
421888	87 GRAND RIVER MUT-MO	12	2,657	932	103,794	26,844	14,057	144,695
421901	87 KINGDOM TELEPHONE CO	3	1,294	218	14,755	11,493	3,359	29,607
421904	87 MISSOURI TEL CO	16	3,422	1,119	126,304	32,584	19,825	178,713
421908	87 LE-RU TELEPHONE CO	1	269	140	5,019	2,367	2,276	9,662
421917	* MID-MISSOURI TEL CO	3	391	171	14,782	4,020	2,790	21,592
421920	* MILLER TEL CO - MO	1	129	57	4,886	1,329	922	7,136
421922	87 CONTEL OF MISSOURI	132	54,168	13,905	896,698	490,882	230,838	1,618,418
421929	+ HOLWAY TEL CO	1	185	41	4,529	1,656	612	6,797
421931	* NE MISSOURI RURAL	3	612	268	23,124	6,288	4,364	33,777
421932	87 LATHROP TEL COMPANY	1	401	70	7,706	3,771	1,461	12,938
421934	87 ORCHARD FARM TEL CO	1	490	36	1,932	4,384	557	6,874
421945	* SENECA TEL CO	2	543	238	20,514	5,579	3,871	29,964
421951	87 STOUTLAND TEL CO	1	281	40	6,477	2,611	914	10,002
421963	87 WEBSTER COUNTY TEL	5	1,269	305	34,294	11,912	5,783	51,988
421964	* WHEELING TEL CO	0	47	21	1,787	486	337	2,610
431788	87 KANOKLA TEL ASSN-OK	1	385	159	7,292	3,844	2,252	13,388
431831	87 S. CENTRAL TEL - OK	0	118	56	2,026	1,139	813	3,978
431965	87 ALLTEL OKLAHOMA INC	11	4,703	929	77,232	45,657	17,197	140,086
431974	87 CANADIAN VALLEY TEL	1	251	40	3,587	2,580	973	7,140
431976	87 CARNEGIE TEL CO INC	2	502	94	11,055	4,931	2,006	17,992
431977	* CENTRAL OKLAHOMA TEL	2	321	141	12,131	3,299	2,289	17,719
431979	87 CHEROKEE TEL CO	4	1,104	769	32,049	10,427	10,694	53,170
431980	87 CHICKASAW TEL CO	7	2,833	397	50,457	28,325	8,986	87,767
431981	87 CHOUTEAU TEL CO	3	844	225	15,426	8,338	3,219	26,983
431984	87 OKLAHOMA COMM SYSTEM	13	4,678	772	113,284	46,120	17,794	177,197
431985	87 CROSS TEL CO	7	2,391	492	51,036	23,940	8,558	83,533
431988	87 DOBSON TEL CO	4	1,260	356	34,506	12,165	6,052	52,723
431994	87 GRAND TEL CO INC	2	804	247	16,530	7,741	3,895	28,165
431995	87 HINTON TEL CO	3	1,124	182	21,134	10,726	3,442	35,303
432006	87 M'CLOUD TEL CO	6	1,675	378	117,368	16,998	6,778	141,144
432010	87 MID-AMERICA TEL INC	1	601	74	7,697	6,026	1,489	15,212
432011	87 OKLAHOMA ALLTEL, INC	10	3,186	1,719	95,061	33,304	21,743	150,108
432013	87 OKLAHOMA TEL & TEL	2	657	121	10,335	6,418	2,299	19,052
432014	87 OKLAHOMA WESTERN TEL	3	714	161	14,008	7,657	3,563	25,228

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FCODE	YR	CARRIER	NO.LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
432016	87	PANHANDLE TEL COOP	4	1,223	1,089	23,819	12,755	12,732	49,305
432018	87	PIONEER TEL COOP INC	36	13,027	2,451	282,654	121,640	41,491	445,785
432020	87	POTTAWATOMIE TEL CO	2	675	83	10,423	7,368	1,877	19,667
432030	87	TOTAH TELEPHONE CO	2	859	163	6,615	9,132	2,736	18,483
432032	87	VALLIANT TEL CO	2	492	183	15,849	4,652	2,994	23,495
432034	*	WYANDOTTE TEL CO	0	154	67	5,802	1,578	1,095	8,475
432141	*	SANTA ROSA TEL COOP	1	147	65	5,567	1,514	1,051	8,131
440425	87	CAMERON TEL CO TEXAS	1	338	47	4,378	3,009	515	7,902
442039	87	BIG BEND TEL CO INC	3	817	223	11,552	8,879	3,734	24,165
442040	87	BRAZORIA TEL CO	5	1,323	167	50,117	15,699	4,104	69,919
442041	87	BRAZOS TEL COOP INC	1	457	29	3,012	4,829	659	8,500
442046	87	CAP ROCK TEL CO INC	2	850	82	13,745	9,144	1,697	24,585
442052	87	CENTRAL TEXAS CO-OP	3	834	86	22,230	10,184	1,733	34,147
442057	*	COLEMAN COUNTY CO-OP	2	128	56	4,851	1,319	916	7,086
442059	87	COLORADO VALLEY TEL	5	1,333	154	29,153	14,759	3,383	47,295
442060	*	COMANCHE COUNTY TEL	5	310	136	11,719	3,187	2,212	17,118
442066	87	DELL TEL. CO-OP - TX	0	143	78	2,060	1,434	1,143	4,638
442068	87	EASTEX TEL COOP INC	20	4,703	1,098	151,779	52,020	16,298	220,097
442070	87	ETEX TEL COOP INC	9	3,263	359	47,163	35,102	7,587	89,852
442071	87	FIVE AREA TEL CO-OP	1	479	129	12,071	5,368	2,211	19,651
442072	87	FORT BEND TEL CO	17	3,248	1,096	208,590	37,450	20,224	266,264
442076	87	GANADO TELEPHONE CO	1	462	31	7,968	4,827	715	13,511
442083	87	GUADALUPE VALLEY TEL	15	6,392	663	74,019	62,188	15,406	151,613
442086	87	HILL COUNTRY CO-OP	9	2,306	318	50,721	25,521	6,623	82,865
442093	87	INDUSTRY TEL CO	2	523	36	6,447	5,344	731	12,521
442097	87	KERRVILLE TEL CO	15	3,571	980	114,642	43,596	18,475	176,713
442101	87	LAKE DALLAS TEL CO	4	2,940	457	17,546	25,194	9,517	52,256
442103	87	LA WARD TEL EXCHANGE	1	342	20	2,399	3,675	563	6,638
442104	*	LAKE LIVINGSTON TEL	1	65	28	2,446	665	462	3,573
442109	87	LUFKIN-CONROE TEL EX	62	17,340	4,263	653,213	198,735	71,744	923,691
442112	87	MID-PLAINS RURAL TEL	2	878	108	14,151	9,243	2,073	25,466
442116	87	MUENSTER TEL CORP-TX	2	548	85	11,639	5,437	1,636	18,712
442117	+	MUSTANG TEL CO	2	1,008	230	6,244	9,125	3,437	18,805
442121	87	ALLTEL TEXAS INC	3	755	153	20,444	8,566	2,769	31,779
442129	87	PEEPLS TELEPHONE CO	1	436	33	4,071	3,804	566	8,441
442130	87	PEOPLES TEL COOP -TX	7	2,188	260	44,936	23,735	5,955	74,626
442131	87	POKA-LAMBRO RURAL	3	1,306	121	22,936	13,004	2,154	38,094
442134	87	RIVIERA TEL CO INC	1	368	32	3,606	3,345	716	7,666
442135	87	SOUTHWEST TEXAS TEL	2	686	69	10,922	7,991	1,531	20,444
442136	87	ROMAIN TELEPHONE CO	1	257	95	5,899	3,038	1,373	10,310
442141	*	SANTA ROSA TEL COOP	2	118	52	4,453	1,211	840	6,505
442143	*	SOUTH PLAINS TEL	4	362	158	13,658	3,714	2,578	19,950
442147	87	SUGAR LAND TEL CO	25	2,046	2,934	362,288	39,635	65,002	466,926
442148	87	SWEENEY-OLD OCEAN	3	1,491	143	19,186	15,681	3,689	38,556
442151	87	TAYLOR TEL CO-OP INC	5	1,574	142	41,008	18,484	4,557	64,048

TABLE 4.26

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FCODE	YR	CARRIER	NO.LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
442153	87	TEXAS-MIDLAND TEL	9	3,840	437	49,334	40,072	8,369	97,775
442155	87	TRI-COUNTY TEL - TX	1	269	24	4,719	3,073	473	8,264
442156	87	TRINITY VALLEY TEL	5	1,805	313	40,623	16,376	4,954	61,953
442159	87	VALLEY TEL CO-OP -TX	4	1,926	138	27,302	17,978	2,577	47,857
442160	87	VALLEY VIEW TEL CO	1	468	67	3,317	4,401	1,067	8,785
442163	87	WATERWOOD COMM INC	0	111	17	228	1,054	369	1,651
442166	87	WEST TEXAS RURAL TEL	2	722	217	14,175	7,271	3,085	24,532
442168	87	WES-TEX TEL CO-OP	3	1,001	110	28,228	11,519	2,360	42,107
442170	87	XIT RURAL TEL CO-OP	1	296	186	5,363	3,423	2,706	11,492
442262	87	ENMR TEL COOP-TX	1	127	55	6,673	1,372	821	8,866
452171	87	ARIZONA TELEPHONE CO	2	536	154	3,085	5,241	2,722	11,048
452172	87	CITIZENS UTILITIES	42	6,446	8,241	246,080	62,053	125,845	433,978
452175	87	UNIVERSAL TEL OF SW	1	254	98	6,600	2,423	1,586	10,609
452176	*	VALLEY TEL COOP-AZ	2	449	196	16,938	4,606	3,196	24,740
452177	87	CONTEL OF WEST-AZ	23	5,453	2,569	151,229	54,478	40,014	245,721
452275	87	NAVAJO COMMUN-AZ	7	2,370	1,947	36,031	23,838	23,526	83,396
452302	87	CONTEL CALIF - AZ	5	898	966	27,259	8,078	12,211	47,548
461835	87	SUNFLOWER TEL - CO	0	110	48	1,374	1,036	838	3,248
462181	87	BIJOU TEL COOP ASSOC	1	380	71	4,453	3,906	1,479	9,838
462182	87	BLANCA TEL CO	0	139	50	1,866	1,247	926	4,039
462184	87	DELTA COUNTY TEL CO	6	769	433	53,781	10,197	9,724	73,703
462185	87	EAGLE TELECOMMUN INC	5	1,571	580	23,273	13,621	9,634	46,528
462186	87	EASTERN SLOPE RURAL	4	1,366	371	25,005	13,199	6,572	44,777
462187	87	EL PASO COUNTY TEL	2	820	148	10,579	7,123	3,809	21,510
462188	87	FARMERS TEL CO - CO	0	103	45	1,308	838	509	2,656
462190	87	HAXTUN TEL CO	1	412	113	7,929	4,369	1,931	14,229
462192	87	BIG SANDY TELCOMM	1	229	41	3,521	2,485	1,029	7,035
462193	87	NUCLA-NATURITA TEL	1	247	119	5,473	2,735	2,435	10,643
462194	87	NUNN TEL CO	0	88	31	992	803	584	2,379
462196	87	PEETZ COOP TEL CO	0	42	31	1,248	501	514	2,263
462197	*	PHILLIPS COUNTY TEL	2	392	172	14,819	4,030	2,797	21,645
462199	87	PLAINS COOP TEL ASSN	1	489	113	8,153	4,831	1,828	14,812
462203	87	RYE TELEPHONE CO	1	368	144	7,441	3,344	2,267	13,052
462204	87	COLUMBINE TEL CO	1	185	66	2,931	2,227	1,891	7,049
462207	87	STRASBURG TEL CO	1	369	65	3,945	3,481	1,348	8,774
462208	87	UNIVERSAL TEL CO -CO	4	554	602	32,374	5,984	10,549	48,907
462209	87	WIGGINS TEL ASSOC	1	449	82	5,461	4,454	1,426	11,341
472177	87	CONTEL OF WEST-ID	12	3,045	1,289	69,325	31,050	22,755	123,130
472213	87	ALBION TEL CO INC	1	255	140	6,674	2,451	1,902	11,026
472215	87	CAMBRIDGE TEL CO	1	179	64	3,962	2,043	1,155	7,160
472218	87	CUSTER TEL COOP	1	235	149	10,216	2,643	2,841	15,700
472223	87	GEM STATE UTIL-ID	1	297	95	6,774	2,826	1,741	11,341
472225	+	CENTURY TEL OF IDAHO	2	299	347	21,971	3,820	4,345	30,136
472226	87	MIDVALE TEL EXCH INC	0	21	46	744	429	318	1,491
472231	87	PROJECT MUTUAL TEL	6	830	650	84,935	7,978	9,044	101,956

TABLE 4.26

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FCODE	YR	CARRIER	NO.LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
472232	87	ROCKLAND TEL CO INC	0	107	24	2,239	928	390	3,557
472233	*	RURAL TEL CO - ID	0	29	13	1,080	294	204	1,578
472234	87	TROY TELEPHONE CO	1	202	90	2,873	1,900	1,415	6,188
472295	87	SILVER STAT TEL- ID	0	76	37	1,467	916	644	3,028
472423	87	INLAND TEL-ID	0	87	30	916	990	456	2,362
482235	87	BLACKFOOT TEL COOP	5	1,735	464	22,949	16,546	8,602	48,097
482242	87	INTERBEL TEL COOP	1	122	79	5,545	1,118	1,553	8,216
482244	87	LINCOLN TEL CO INC	1	165	50	2,816	1,670	805	5,291
482246	87	MID-RIVERS TEL COOP	6	232	504	47,238	18,253	8,776	74,267
482247	87	NEMONT TEL COOP-MT	2	734	294	8,571	7,207	4,300	20,078
482248	87	NORTHERN TEL COOP	1	517	162	7,104	4,964	2,760	14,828
482249	87	NW TEL SYSTEMS, INC.	29	8,231	4,863	199,762	77,721	75,070	352,553
482250	87	PROJECT TEL CO	3	757	212	12,418	7,215	3,931	23,565
482251	87	RANGE TEL COOP-MT	3	736	360	19,244	7,570	5,433	32,247
482254	87	SOUTHERN MONTANA TEL	1	190	65	2,171	2,037	1,413	5,620
482255	87	3-RIVERS TEL COOP	8	2,168	726	45,095	22,564	12,397	80,056
482257	87	TRIANGLE TEL COOP	8	2,356	638	58,389	25,697	11,455	95,541
482258	87	VALLEY RURAL TEL	1	187	42	3,559	2,039	782	6,380
492066	87	DELL TEL CO-OP - NM	0	40	32	1,062	476	540	2,078
492176	*	VALLEY TEL COOP - NM	1	359	157	13,560	3,687	2,559	19,807
492177	87	CONTEL OF WEST - NM	26	6,335	3,137	167,947	61,241	46,893	276,082
492259	87	BACA VALLEY TEL CO	1	126	75	3,286	1,358	1,166	5,811
492262	87	ENMR TEL COOP INC-NM	9	1,406	1,357	66,558	14,491	18,768	99,817
492263	87	LA JICARITA RURAL	1	314	85	15,844	3,356	1,687	20,887
492264	*	LEACO RURAL TEL COOP	1	207	91	7,829	2,129	1,477	11,435
492268	87	WESTERN NEW MEXICO	4	1,007	843	24,695	9,919	9,584	44,198
492270	87	PENASCO VALLEY TEL	2	553	200	11,632	5,638	3,698	20,968
492272	87	ROOSEVELT CNTY RURAL	1	320	177	13,236	3,708	3,187	20,130
492274	87	UNIVERSAL TEL OF SW	3	913	307	17,700	7,754	5,487	30,941
492275	87	NAVAJO COMMUN - NM	3	1,021	604	13,536	8,028	8,713	30,278
502177	87	CONTEL THE WEST - UT	14	3,148	2,497	125,521	32,576	36,617	194,715
502275	87	NAVAJO COMMUN - UT	0	57	135	699	539	1,431	2,669
502277	87	CENTRAL UTAH TEL INC	1	185	46	7,150	2,014	894	10,058
502278	*	EMERY COUNTY FARMERS	2	398	174	15,034	4,088	2,837	21,960
502280	87	KAMAS-WOODLAND TEL	2	444	71	7,576	4,291	1,473	13,340
502283	*	SKYLINE TELECOM	1	60	26	2,283	621	431	3,335
502286	87	SOUTH CENTRAL UTAH	3	471	295	16,466	4,614	4,385	25,466
502287	87	UINTAH BASIN TEL	3	793	171	18,317	8,729	3,719	30,765
502288	87	UT-WY TELECOM	0	85	77	9,067	956	855	10,877
512251	87	RANGE TEL COOP - WY	1	292	261	10,331	3,411	3,916	17,658
512290	87	UTAH-WYOMING TELECOM	0	34	77	1,537	329	917	2,783
512291	87	DUBOIS TEL EXCHANGE	2	279	257	6,844	2,656	3,893	13,394
512294	87	MEDICINE BOW TEL CO	0	48	17	1,085	519	349	1,953
512295	87	SILVER STAR TEL-WY	1	176	213	4,634	1,273	2,616	8,524
512297	87	UNION TELEPHONE CO	3	496	687	23,183	5,142	8,631	36,956

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FCODE	YR	CARRIER	NO. LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
512299	87	WYOMING TEL CO INC	3	472	444	14,794	4,959	7,431	27,183
522404	87	ASOTIN TEL - WA	1	68	74	8,185	934	1,274	10,393
522408	87	TEL UTIL OF WA INC	71	27,465	7,476	463,087	275,436	128,794	867,317
522410	87	COWICHE TELEPHONE CO	1	646	92	6,721	5,812	1,481	14,014
522412	87	ELLENSBURG TEL CO	14	2,918	1,501	109,213	34,514	20,605	164,332
522417	87	HAT ISLAND TEL CO	0	0	0	0	0	0	0
522419	87	HOOD CANAL TEL CO	1	265	50	1,440	2,388	926	4,754
522423	87	INLAND TEL CO -WA	1	287	121	7,998	3,171	1,863	13,031
522426	87	KALAMA TEL CO	2	704	320	7,603	5,799	2,691	16,093
522427	87	LEWIS RIVER TEL CO	2	969	392	10,803	9,093	5,540	25,435
522431	87	MASHELL TEL CO INC	2	830	123	7,214	8,188	2,241	17,643
522436	87	PENINSULA TELECOMM	4	1,261	411	29,064	14,397	8,166	51,626
522437	87	PIONEER TEL CO	1	222	59	4,002	2,276	866	7,144
522442	87	ST JOHN TEL CO	1	194	56	2,072	2,167	771	5,010
522446	87	TENINO TELEPHONE CO	2	993	156	10,667	8,777	2,929	22,374
522447	87	TOLEDO TELEPHONE CO	1	506	138	9,306	5,068	2,386	16,760
522449	87	CONTEL OF THE NW-WA	46	5,639	15,372	374,554	143,250	81,383	599,187
522451	87	WESTERN WAHKLAKUM	1	222	91	5,359	2,567	1,205	9,131
522452	87	WHIDBEY TEL CO.	6	1,666	499	42,111	17,047	5,705	64,863
522453	87	YELM TELEPHONE CO	5	2,304	349	35,942	21,418	6,788	64,147
532226	87	MIDVALE TEL EXCH -OR	0	82	30	1,992	753	382	3,127
532304	87	C P NATIONAL CORP-OR	10	3,979	1,044	50,874	32,677	19,838	103,390
532359	87	BEAVER CREEK COOP	3	798	231	37,320	9,277	5,117	51,713
532361	87	TEL UTIL OF OREGON	35	12,725	3,926	239,420	122,819	64,834	427,073
532362	87	CANBY TEL ASSN	8	2,997	647	56,015	26,972	9,108	92,095
532363	87	CLEAR CREEK MUTUAL	3	689	214	31,907	7,366	4,269	43,541
532364	87	COLTON TEL CO	1	360	64	7,286	3,453	1,337	12,076
532371	87	CASCADE UTIL INC	7	1,908	264	62,083	18,764	9,325	90,172
532375	87	RTI/HALSEY TEL CO	1	463	111	2,054	4,612	2,825	9,491
532376	87	HELIX TEL CO.	0	81	19	665	847	368	1,880
532377	87	HOME TELEPHONE CO	1	132	35	2,848	1,572	545	4,965
532378	87	TRANS-CASCADES TEL	0	29	11	577	352	212	1,141
532383	87	MOLALLA TEL CO.	4	1,762	318	34,787	15,819	5,097	55,702
532385	87	MONROE TELEPHONE CO.	1	292	38	3,117	2,745	747	6,608
532387	87	NEHALEM TEL & TEL	2	460	106	5,529	4,351	1,695	11,576
532388	87	NORTH STATE TEL CO.	0	151	27	1,497	1,455	506	3,457
532389	87	OREGON TEL CORP	1	555	113	6,032	5,544	2,053	13,629
532392	87	PINE TEL SYSTEM INC.	1	127	66	4,006	1,405	1,253	6,664
532393	87	PIONEER TEL COOP	10	2,399	654	56,957	23,878	13,098	93,933
532397	87	SCIO MUTUAL TEL ASSN	1	505	83	7,940	4,906	1,615	14,460
532399	*	STAYTON COOP TEL CO	5	951	416	35,919	9,768	6,779	52,466
532404	87	ASOTIN TEL - OR	0	16	12	151	160	185	497
532449	87	CONTEL OF THE NW- OR	21	7,570	1,933	166,016	73,301	34,977	274,293
532456	87	MALHEUR HOME TEL CO	10	594	1,700	107,566	13,359	31,788	152,713
542301	87	CALAVERAS TEL CO	2	665	59	5,480	5,382	975	11,837

TABLE 4.26

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LOOPS, MSG & SLU (IN THOUSANDS)

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FCODE	YR	CARRIER	NO. LOOP	ST MSGS	IS MSGS	LOC SLU	ST SLU	IS SLU	TOT SLU
542304	87	C P NATIONAL CORP-CA	11	4,323	1,069	62,326	41,330	12,381	116,036
542306	*		0	52	23	1,977	538	373	2,888
542308	87	CITIZENS UTIL OF CA	53	14,515	3,596	485,223	156,572	55,254	697,049
542311	87	CALIF-OREGON TEL CO	2	393	483	9,695	4,839	4,695	19,229
542313	87	DUCOR TELEPHONE CO	1	273	17	2,105	2,755	357	5,217
542315	87	EVANS TEL CO.	8	3,476	383	44,165	29,395	4,598	78,159
542318	*	FORESTHILL TEL CO.	2	168	73	6,339	1,724	1,196	9,260
542321	*	HAPPY VALLEY TEL CO	2	355	156	13,413	3,648	2,531	19,592
542322	*	HORNITOS TEL CO	0	114	50	4,310	1,172	813	6,295
542324	87	KERMAN TELEPHONE CO	4	955	145	40,522	14,105	2,890	57,517
542332	87	THE PONDEROSA TEL CO	6	2,305	191	27,619	19,986	2,877	50,482
542334	87	ROSEVILLE TEL CO	62	17,391	4,472	605,801	137,835	54,690	798,326
542338	*	SIERRA TELEPHONE CO	11	1,514	663	57,148	15,540	10,785	83,473
542339	87	THE SISKIYOU TEL CO	3	1,236	280	13,681	15,119	4,214	33,014
542342	87	TUOLUMNE TEL CO	4	2,022	162	18,651	18,781	3,402	40,834
542343	87	THE VOLCANO TEL CO	7	2,040	185	26,008	31,697	3,985	61,690
542346	+	PINNACLES TEL CO	0	220	33	279	1,723	482	2,484
552223	87	GEM STATE UTIL-NV	0	42	58	1,509	437	661	2,606
552233	*	RURAL TEL CO - NV	0	52	23	1,952	531	368	2,851
552302	87	CONTEL OF CALIF-NV	19	3,476	5,908	102,721	30,491	58,575	191,787
552304	87	CP NATIONAL-NV	10	1,896	2,991	55,951	18,378	32,825	107,153
552349	87	CHURCHILL COUNTY TEL	8	1,137	1,343	61,561	9,419	20,956	91,935
552351	87	LINCOLN CTY TEL SYS	2	369	212	7,200	3,926	3,320	14,446
552353	87	MOAPA VALLEY TEL CO.	2	374	311	12,729	3,721	4,307	20,757
552354	87	NEVADA TEL-TELEGRAPH	2	594	558	12,895	4,941	7,799	25,635
552356	87	RIO VIRGIN TEL CO	1	135	456	5,406	1,029	4,126	10,561
613000	87	ANCHORAGE TEL UTIL	129	11,594	12,065	1,809,209	134,842	297,498	2,241,548
613001	87	ARCTIC SLOPE TEL	1	796	527	8,033	9,302	8,272	25,606
613003	87	BRISTOL BAY TEL COOP	1	307	139	5,440	2,647	2,172	10,260
613004	87	BUSH-TELL INC.	1	237	24	3,087	2,095	419	5,602
613006	87	COPPER VALLEY TEL	3	670	365	20,431	7,240	7,379	35,049
613007	87	CORDOVA TEL COOP	1	231	200	10,048	2,459	3,634	16,140
613008	*	FAIRBANKS MUNICIPAL	26	7,183	3,144	271,208	73,750	51,182	396,140
613009	87	GTE ALASKA INC.	12	2,670	1,435	93,300	33,023	27,498	153,821
613010	87	GLACIER STATE TEL CO	29	4,707	2,993	290,151	46,945	80,377	417,473
613011	87	INTERIOR TEL CO INC	2	643	508	10,797	6,834	8,248	25,879
613012	87	JUNEAU & DOUGLAS TEL	15	1,815	2,468	162,738	23,282	41,062	227,082
613013	*	KEETCHIKAN PUBLIC UT	7	2,328	1,019	87,913	23,906	16,591	128,410
613015	87	MATANUSKA TEL ASSOC	27	5,742	1,733	294,407	62,645	54,539	411,591
613016	87	MUKLUK TEL CO INC	1	253	34	2,542	2,463	617	5,622
613018	87	NUSHAGAK TEL COOP	1	363	145	10,274	3,913	2,683	16,870
613019	87	OTZ TEL COOPERATIVE	2	614	118	13,175	6,526	2,013	21,714
613020	87	SITKA TELEPHONE CO	8	2,026	1,213	49,636	20,182	20,087	89,905
613022	87	TEL UTIL OF ALASKA	2	166	343	17,359	1,537	8,139	27,035
613023	*	UNITED UTILITIES INC	3	303	133	11,456	3,115	2,162	16,734
613025	87	YUKON TEL CO INC	0	147	28	1,455	1,427	687	3,569
633200	*	PUERTO RICO COMM	89	12,033	5,267	454,351	123,553	85,745	663,649
643300	87	VIRGIN ISLANDS TEL	42	0	9,109	1,005,897	0	189,300	1,195,196

+ - COMPANIES WHO SUBMITTED 1986 DATA RATHER THAN 1987 DATA

* - COMPANIES FOR WHOM NECA COMPUTED DATA

TABLE 4.27

1987 NONTIER 1 NETWORK USAGE DATA
DEM MINUTES (IN THOUSANDS) AND VARIOUS FACTORS

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
100003	87	LINCOLNVILLE TEL CO	0.1986	0.5914	5,907	2,461	2,074	10,442	0.1986	0.2714
100004	*	CHINA TEL CORP	0.1292	0.2880	16,699	4,949	3,430	25,078	0.1292	0.1368
100010	*	HAMPDEN TEL CO	0.1292	0.2594	14,578	4,321	2,994	21,893	0.1292	0.1368
100011	87	HARTLAND & ST ALBANS	0.1232	0.3000	12,311	6,234	2,607	21,151	0.1232	0.1837
100014	87	CONTEL OF MAINE	0.1592	0.3456	216,890	90,633	59,159	366,682	0.1613	0.2155
100024	87	SOMERSET TEL CO	0.1606	0.3149	38,008	20,871	11,265	70,144	0.1606	0.2173
100025	*	STANDISH TEL CO	0.1292	0.3192	49,926	14,797	10,255	74,978	0.1292	0.1368
100027	87	UNION RIVER TEL CO	0.1456	0.4158	2,639	1,409	770	4,818	0.1599	0.2028
100029	*	UNITY TEL CO	0.1292	0.3332	23,982	7,108	4,926	36,015	0.1292	0.1368
100031	87	WARREN TEL CO	0.1543	0.3274	4,125	5,147	1,691	10,964	0.1543	0.1698
100034	87	WEST PENOBSCOT TEL	0.1069	0.2538	7,934	5,628	1,582	15,144	0.1045	0.1364
120038	87	BRETTON WOODS TEL CO	0.5470	0.7500	141	376	624	1,141	0.5470	0.5881
120039	*	GRANITE STATE TEL	0.1292	0.4173	79,025	23,421	16,232	118,677	0.1292	0.1368
120041	87	CONTEL OF NH	0.2629	0.5542	48,849	20,173	25,008	94,030	0.2660	0.3195
120045	+	KEARSARGE TEL CO	0.2628	0.5978	21,368	14,242	12,663	48,274	0.2623	0.3145
120046	+	MERIDEN TEL CO	0.3841	0.7300	1,535	710	1,409	3,655	0.3856	0.5057
120047	87	MERRIMAK COUNTY TEL	0.1829	0.4968	45,695	19,215	14,920	79,830	0.1869	0.2360
120049	87	UNION TEL CO	0.2850	0.7400	11,729	9,168	8,330	29,227	0.2850	0.3413
120050	87	WILTON TEL CO - NH	0.2301	0.7200	13,323	6,355	6,619	26,297	0.2517	0.3029
140058	87	LUDLOW TEL CO	0.2738	0.4470	11,190	5,661	6,350	23,202	0.2737	0.3341
140061	87	NORTHFIELD TEL CO	0.2833	0.6143	14,329	6,493	8,229	29,051	0.2833	0.3476
140062	87	PERKINSVILLE TEL CO	0.2769	0.4708	2,303	2,199	1,724	6,225	0.2769	0.3358
140068	87	TOPSHAM TEL CO	0.2107	0.3607	5,919	2,133	2,150	10,201	0.2107	0.2693
140069	87	WAITSFIELD/FAYSTON	0.2902	0.7222	19,259	6,281	10,446	35,986	0.2902	0.3444
140070	87	CONTEL OF VERMONT	0.2374	0.4884	179,724	66,487	81,767	327,978	0.2493	0.3128
150071	87	ARMSTRONG TEL CO-NY	0.1517	0.2457	16,321	7,238	4,207	27,766	0.1515	0.2167
150072	87	AU SABLE VALLEY TEL	0.1368	0.3096	25,261	4,175	6,109	35,545	0.1719	0.2167
150073	*	BERKSHIRE TEL CORP	0.1292	0.2544	33,128	9,818	6,805	49,751	0.1292	0.1368
150077	87	CHAMPLAIN TEL CO	0.1861	0.4678	29,403	9,947	8,997	48,348	0.1861	0.2410
150078	87	CHAUTAUQUA & ERIE	0.1752	0.3891	62,290	19,680	17,410	99,380	0.1752	0.2291
150079	*	CHAZY & WESTPORT	0.1292	0.3178	18,565	5,502	3,813	27,881	0.1292	0.1368
150081	87	CITIZENS HAMMOND NY	0.1329	0.2305	4,298	3,025	1,123	8,446	0.1329	0.1576
150082	87	CLYMER TEL CO	0.2417	0.4821	1,518	492	662	2,672	0.2479	0.3565
150084	87	TACONIC TEL CORP	0.1671	0.3441	106,361	52,559	31,842	190,762	0.1671	0.2194
150085	87	CROWN POINT TEL CORP	0.1436	0.2632	4,107	2,225	1,062	7,394	0.1436	0.2050
150088	*	DELHI TEL CO	0.1292	0.2602	20,277	6,010	4,165	30,451	0.1292	0.1368
150091	87	DUNKIRK & FREDONIA	0.0773	0.2409	80,336	18,989	8,377	107,702	0.0778	0.1072
150092	87	EDWARDS TEL CO	0.0786	0.1980	9,412	6,290	1,345	17,047	0.0789	0.1141
150093	87	EMPIRE TEL CORP	0.1504	0.2604	26,769	20,129	8,300	55,198	0.1504	0.1877
150097	87	GERMANTOWN TEL CO	0.1380	0.2791	11,006	7,191	2,913	21,110	0.1380	0.1595
150099	87	HANCOCK TEL CO	0.1817	0.2925	7,846	3,118	2,436	13,400	0.1818	0.2511
150100	87	HIGHLAND TEL CO	0.1836	0.2910	434,650	227,982	150,113	812,745	0.1847	0.2800
150104	*	MARGARETVILLE TEL CO	0.1292	0.2369	13,237	3,923	2,719	19,879	0.1292	0.1368
150105	87	MIDDLEBURGH TEL CO	0.1043	0.2160	25,029	16,676	4,858	46,563	0.1043	0.1249
150106	87	ALLTEL NY-FULTON	0.0854	0.1996	125,729	16,955	13,547	156,231	0.0867	0.1174

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
150107	*	NEWPORT TEL CO	0.1292	0.1728	11,307	3,351	2,323	16,981	0.1292	0.1368
150108	87	NICHOLVILLE TEL CO	0.1221	0.2133	11,085	5,299	2,273	18,657	0.1218	0.1584
150109	87	ALLTEL NY-JAMESTOWN	0.1419	0.2494	111,165	15,016	21,351	147,531	0.1447	0.1983
150110	87	OGDEN TEL CO	0.0699	0.2009	218,425	23,881	18,224	260,531	0.0700	0.1037
150111	*	ONEIDA COUNTY RURAL	0.1292	0.1668	15,659	4,641	3,216	23,516	0.1292	0.1368
150113	87	ALLTEL NY-RED JACKET	0.0785	0.2195	4,723	1,865	578	7,166	0.0806	0.0952
150118	*	PORT BYRON TEL CO	0.1292	0.1768	9,899	2,934	2,033	14,866	0.1292	0.1368
150119	87	RED HOOK TEL CO	0.1334	0.2853	95,328	44,703	21,691	161,723	0.1341	0.1761
150122	87	SENECA-GORHAM TEL	0.1070	0.2139	41,243	30,924	8,642	80,810	0.1069	0.1306
150128	87	SYLVAN LAKE TEL CO	0.1386	0.2788	156,317	53,274	33,461	243,052	0.1377	0.1839
150133	87	VERNON TEL CO	0.1022	0.2571	16,682	5,937	2,580	25,199	0.1024	0.1336
150135	87	WARWICK VALLEY-NY	0.2010	0.3534	69,254	40,269	27,516	137,039	0.2008	0.2483
150136	87	WESTERN COUNTIES TEL	0.1295	0.2385	144,796	65,677	31,349	241,822	0.1296	0.1859
160135	87	WARWICK VALLEY-NJ	0.1755	0.3603	32,328	43,068	16,045	91,441	0.1755	0.2025
170170	87	CONTEL OF PA	0.1117	0.2589	453,469	126,899	79,735	660,102	0.1208	0.1729
170177	*	LACKAWAXEN TEL CO	0.1292	0.6785	24,247	7,186	4,980	36,414	0.1292	0.1368
170189	*	ARMSTRONG TEL CO-PA	0.1292	0.2235	10,654	3,158	2,188	16,000	0.1292	0.1368
170192	87	NORTH PENN TEL CO	0.2166	0.3168	23,373	8,346	8,772	40,491	0.2166	0.3025
170194	87	OSWAYO RIVER TEL CO	0.2246	0.4710	11,211	2,670	4,021	17,902	0.2246	0.3280
170201	87	QUAKER STATE TEL CO	0.1628	0.2993	224,736	56,887	55,970	337,593	0.1658	0.2512
170206	87	SUGAR VALLEY TEL CO	0.1419	0.2527	4,903	2,252	1,175	8,330	0.1411	0.2091
170210	*	VENUS TEL CORP	0.1292	0.1382	5,257	1,558	1,080	7,895	0.1292	0.1368
180216	87	ARMSTRONG TEL OF MD	0.2275	0.3664	23,038	15,205	10,897	49,140	0.2218	0.2755
190217	+	AMELIA TEL CORP	0.0804	0.1844	24,858	7,935	2,781	35,573	0.0782	0.1176
190249	*	ROANOKE & BOTETOURT	0.1292	0.2359	69,145	20,493	14,202	103,840	0.1292	0.1368
200259	*	HARDY TEL CO	0.1292	0.2520	16,773	4,971	3,445	25,190	0.1292	0.1368
200270	+	MOUNTAIN STATE TEL	0.0728	0.1914	208,375	34,618	26,254	269,247	0.0975	0.1612
200278	87	CONTEL OF WV	0.1162	0.2309	275,753	56,131	46,271	378,156	0.1224	0.1845
210291	87	FLORALA TEL CO	0.1063	0.3253	13,925	5,154	4,427	23,506	0.0000	0.1883
210318	87	SOUTHLAND TEL-FL	0.0953	0.2774	35,242	3,138	4,044	42,423	0.0953	0.1627
210329	87	GULF TEL CO	0.1019	0.2728	83,442	26,485	22,070	131,997	0.0000	0.1672
210330	87	VISTA-UNITED TELCOM	0.4683	0.5859	48,411	26,962	70,910	146,283	0.4847	0.5324
210331	87	INDIANTOWN SYSTEM	0.1642	0.3906	10,278	10,031	3,854	24,163	0.1595	0.1899
210335	87	NORTHEAST FLORIDA	0.1043	0.2169	44,224	12,725	6,633	63,582	0.1043	0.1406
210336	87	ALLTEL FLORIDA INC.	0.1086	0.2587	428,843	123,270	66,731	618,844	0.1078	0.1474
210338	87	QUINCY TEL CO-FL DIV	0.0816	0.2198	112,888	24,734	12,139	149,760	0.0811	0.1186
210339	87	ST JOSEPH TEL & TEL	0.1282	0.3275	166,545	81,202	56,045	303,792	0.0000	0.4674
220281	87	CONTEL OF SOUTH - GA	0.0976	0.2143	504,557	134,572	75,035	714,164	0.1051	0.1611
220324	*	VALLEY TEL CO - GA	0.1292	0.3459	33,267	9,859	6,833	49,959	0.1292	0.1368
220338	87	QUINCY TEL CO-GA DIV	0.1454	0.2728	9,773	949	1,698	12,421	0.1367	0.2463
220344	87	ALMA TEL CO	0.0718	0.1883	57,020	11,782	5,306	74,107	0.0716	0.1106
220347	87	BRANTLEY TEL CO	0.0869	0.2004	28,726	7,607	3,461	39,794	0.0870	0.1295
220351	87	CAMDEN TEL & TEL CO	0.2286	0.5067	91,629	12,796	31,497	135,922	0.2317	0.3074
220355	87	CITIZENS TEL CO - GA	0.0739	0.2100	44,668	9,320	4,307	58,295	0.0739	0.0999
220356	87	COASTAL UTILITIES	0.2503	0.4869	173,638	46,122	73,018	292,779	0.2494	0.3563

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
220358	87	DARIEN TEL CO	0.1173	0.2624	29,999	8,326	5,030	43,354	0.1160	0.1587
220360	87	ELLIJAY TEL CO	0.0687	0.1854	64,866	12,549	5,702	83,117	0.0686	0.0942
220371	*	INTERSTATE TEL CO	0.1292	0.2484	79,083	23,438	16,244	118,765	0.1292	0.1368
220377	87	PINELAND TEL COOP	0.0670	0.1766	92,560	19,336	8,033	119,928	0.0670	0.1057
220379	87	PLANT TEL. CO.	0.0782	0.2271	71,037	18,402	7,577	97,016	0.0781	0.1140
220381	87	PUBLIC SERVICE TEL	0.0663	0.1827	86,944	19,964	7,590	114,498	0.0663	0.1105
220386	87	STANDARD TEL CO	0.0931	0.2019	362,108	100,881	47,533	510,522	0.0931	0.1454
220392	87	WAVERLY HALL TEL CO	0.0964	0.2404	6,456	2,709	977	10,142	0.0964	0.1223
220394	87	WILKES TEL & ELC CO	0.0913	0.1971	97,571	18,837	11,640	128,048	0.0909	0.1491
230468	87	ATLANTIC MEMBERSHIP	0.1150	0.2271	145,947	27,941	22,585	196,473	0.1150	0.1634
230469	+	BARNARDSVILLE TEL CO	0.0697	0.2080	7,455	2,471	715	10,640	0.0672	0.1121
230473	87	CITIZENS TEL CO	0.1267	0.2487	145,117	20,041	23,838	188,996	0.1261	0.1752
230474	*	CONCORD TEL CO	0.1292	0.1714	452,542	134,124	92,953	679,620	0.1292	0.1368
230476	87	ALLTEL CAROLINA-NO	0.1095	0.2142	1,065,995	192,683	152,775	1,411,453	0.1082	0.1525
230481	87	HEINS TEL CO	0.0945	0.2156	280,641	53,739	35,215	369,595	0.0953	0.1584
230502	87	STAR MEMBERSHIP CORP	0.0679	0.1543	141,042	27,593	12,276	180,912	0.0679	0.1167
230509	87	CONTEL OF NC	0.1257	0.2783	920,035	150,692	162,368	1,233,096	0.1317	0.2181
230510	87	WILKES MEMBERSHIP	0.0396	0.1258	107,253	9,723	4,825	121,800	0.0396	0.0626
240512	87	BLUFFTON TEL & APPL	0.2722	0.5334	9,076	7,223	5,994	22,294	0.2689	0.3428
240520	87	FARMERS TEL COOP	0.1043	0.2720	518,953	61,239	67,252	647,444	0.1039	0.1400
240523	87	HARGRAY TEL CO	0.3526	0.5930	179,058	38,706	116,160	333,924	0.3479	0.4173
240526	87	CONTEL OF SC	0.1173	0.2778	188,147	22,312	27,917	238,376	0.1171	0.1599
240528	87	HORRY TEL COOP	0.1520	0.2853	319,001	52,368	66,927	438,296	0.1527	0.2002
240533	87	MCCLELLANVILLE TEL	0.1303	0.3036	8,228	3,617	1,775	13,620	0.1303	0.1979
240539	87	POND BRANCH TEL CO	0.0852	0.2061	70,905	17,286	8,177	96,368	0.0848	0.1214
240551	87	WILLISTON TEL CO	0.0953	0.2157	34,410	8,757	4,504	47,671	0.0945	0.1570
250281	87	CONTEL OF THE SOUTH	0.0867	0.2242	1,046,719	193,566	127,971	1,368,256	0.0935	0.1450
250284	+	BUTLER TEL CO	0.2905	0.2831	46,655	6,205	5,526	58,386	0.0947	0.0947
250295	*	GRACEBA TOTAL COMM	0.1292	0.2808	26,701	7,914	5,485	40,100	0.1292	-0.1368
250297	+	GROVE HILL TEL CORP	0.0817	0.2216	16,793	5,002	1,866	23,661	0.0789	0.1317
250298	87	GULF TEL CO - AL	0.1730	0.3495	185,791	33,659	46,993	266,443	0.1764	0.2655
250300	87	HOPPER TEL. CO INC	0.0636	0.1656	24,832	7,271	2,182	34,285	0.0836	0.1078
250304	87	MILLRY TEL CO	0.0946	0.3108	50,127	70,740	12,167	133,034	0.0000	0.3776
250306	87	MONROEVILLE TEL CO	0.1178	0.2431	122,057	19,644	21,051	162,752	0.1293	0.2099
250314	87	PEOPLES TEL CO	0.0870	0.2073	116,219	17,133	12,658	146,010	0.0867	0.1451
250315	*	PINE BELT TEL CO	0.1292	0.1645	9,160	2,715	1,882	13,757	0.1292	0.1368
250316	87	RAGLAND TEL CO	0.0674	0.2040	9,062	2,796	857	12,714	0.0674	0.1128
250318	87	SOUTHLAND TEL CO-AL	0.0987	0.2625	136,178	18,980	17,245	172,404	0.0987	0.1616
250461	87	SOUTHEAST MS TEL CO	0.1658	0.4292	9,736	3,511	2,631	15,878	0.1657	0.2352
260410	87	CONTEL OF KENTUCKY	0.0971	0.1911	791,299	102,466	103,401	997,166	0.1037	0.1694
270422	+	ATHENS TEL CO	0.1083	0.2883	2,112	1,086	388	3,587	0.1083	0.1543
270423	+	CENTRAL LOUISIANA	0.0814	0.2728	151,873	29,370	16,030	197,273	0.0813	0.1359
270424	+	COASTAL TEL & ELECTR	0.0657	0.1766	97,202	24,531	8,553	130,286	0.0656	0.0941
270425	87	CAMERON TEL CO - LA	0.1092	0.3368	53,188	15,172	8,381	76,741	0.1092	0.1476
270427	*	CHATHAM TEL CO	0.1292	0.1764	4,968	1,472	1,020	7,461	0.1292	0.1368

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
270429	87	EAST ASCENSION TEL	0.0787	0.1962	282,371	51,596	28,517	362,484	0.0787	0.1191
270430	87	ELIZABETH TEL CO	0.0795	0.2061	25,189	5,441	2,645	33,275	0.0795	0.1389
270431	+	CADDOAN TEL CO	0.1317	0.3250	80,079	15,547	14,517	110,143	0.1318	0.2053
270433	87	LAFOURCHE TEL CO	0.0684	0.2490	113,606	20,216	9,829	143,651	0.0683	0.0984
270434	+	EVANGELINE TEL CO	0.0635	0.3250	585,107	62,889	24,657	672,653	0.0367	0.0996
270435	87	NORTHEAST LOUISIANA	0.1127	0.2650	7,564	3,120	1,357	12,041	0.1127	0.1747
270436	+	NORTHWEST LOUISIANA	0.1362	0.2944	7,830	2,385	1,617	11,832	0.1367	0.2051
270437	+	PLAIN DEALING TEL CO	0.0960	0.2041	18,509	3,550	2,348	24,407	0.0962	0.1592
270439	*	RINGGOLD TEL CO	0.1292	0.2728	8,064	2,390	1,656	12,111	0.1292	0.1368
270440	+	CENTURY TEL CO	0.0741	0.3250	21,045	6,086	2,166	29,297	0.0739	0.1185
270442	+	LOUISIANA WESTERN	0.0975	0.3250	33,231	8,501	4,515	46,247	0.0976	0.1554
270443	+	UTC OF LOUISIANA	0.1059	0.3250	27,902	6,519	4,069	38,490	0.1057	0.1712
280446	87	BAY SPRINGS TEL CO	0.0727	0.2098	107,176	16,781	9,714	133,671	0.0727	0.1301
280451	*	DECATUR TEL CO -MS	0.1292	0.1555	6,960	2,063	1,430	10,452	0.1292	0.1368
280452	87	DELTA TEL CO	0.0890	0.2424	30,516	4,591	3,429	38,537	0.0890	0.1611
280454	87	FRANKLIN TEL CO - MS	0.0948	0.2181	70,214	10,639	8,490	89,342	0.0950	0.1589
280458	*	HOME TEL CO-OLIVE BR	0.1292	0.3050	106,346	31,519	21,844	159,709	0.1292	0.1368
280459	87	HUGHES TEL CO	0.0880	0.1983	70,524	5,302	7,315	83,142	0.0880	0.1279
280464	87	NOXAPATER TEL CO	0.0776	0.1954	14,005	1,281	1,173	16,459	0.0713	0.1373
280466	*	SLEDGE TEL CO	0.1292	0.2628	3,206	950	658	4,814	0.1292	0.1368
290552	*	ADAMSVILLE TEL CO	0.1292	0.2727	35,652	10,567	7,323	53,542	0.1292	0.1368
290571	87	MILLINGTON TEL CO	0.1450	0.3556	258,975	23,028	47,148	329,152	0.1432	0.1868
290575	+	TENNESSEE TEL CO	0.0810	0.1931	474,429	42,019	45,446	561,894	0.0809	0.1126
290579	87	TWIN LAKES TEL COOP	0.0743	0.1938	290,489	32,296	25,908	348,692	0.0743	0.1404
300597	+	THE CHILLICOTHE TEL	0.0621	0.1647	344,674	47,255	31,312	423,242	0.0621	0.1003
300607	+	CONTEL OF OHIO	0.0674	0.1820	15,861	3,994	143	19,998	0.0674	0.0936
300613	87	FAYETTEVILLE TEL CO	0.0768	0.1752	9,604	2,997	1,048	13,649	0.0768	0.1003
300649	*	ORWELL TEL CO	0.1292	0.2195	29,953	8,877	6,152	44,983	0.1292	0.1368
300665	87	ALLTEL OHIO-WEST OH	0.0943	0.2139	143,921	50,235	20,223	214,379	0.0943	0.1429
300682	87	C, C & S TELCO -OHIO	0.1871	0.2728	2,147	3,249	768	6,164	0.2652	0.2771
310678	*	BLANCHARD TEL ASSN	0.1292	0.1599	3,057	906	628	4,591	0.1292	0.1368
310679	87	BLOOMINGDALE TEL CO	0.1170	0.2581	5,443	6,116	1,526	13,086	0.1166	0.1386
310680	87	CHIPPEWA COUNTY TEL	0.1376	0.2639	2,799	2,094	781	5,674	0.1376	0.1908
310681	87	ALLTEL MICHIGAN INC.	0.1160	0.2414	294,332	134,720	56,281	485,332	0.1160	0.1609
310682	87	C, C & S TELCO - MI	0.1141	0.2122	120,841	46,671	21,500	189,013	0.1138	0.1699
310683	+	CARR TEL CO	0.0779	0.3648	3,168	2,347	466	5,981	0.0779	0.0972
310685	87	CHATHAM TEL CO - MI	0.0948	0.2395	15,607	4,733	2,118	22,458	0.0943	0.1450
310687	87	CLAYTON TEL CO	0.1252	0.2279	1,781	2,754	649	5,185	0.1252	0.1554
310699	87	HICKORY TEL CO	0.0878	0.2025	13,571	3,222	1,562	18,355	0.0851	0.1161
310702	+	CENTURY OF MICHIGAN	0.0761	0.2145	224,957	121,760	28,083	374,800	0.0749	0.0968
310704	87	ACE TEL OF MICHIGAN	0.0843	0.2184	9,193	9,925	1,774	20,891	0.0849	0.1110
310711	87	MIDWAY TEL CO	0.1271	0.2761	3,832	1,740	811	6,382	0.1271	0.1924
310713	87	HIAWATHA TEL CO	0.1273	0.2882	19,215	7,583	3,842	30,640	0.1254	0.1840
310717	87	ONTONAGON COUNTY TEL	0.1209	0.2943	29,645	5,729	4,866	40,240	0.1209	0.2068
310721	87	PIGEON TEL CO	0.0821	0.1863	12,157	10,427	2,019	24,602	0.0821	0.1011

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
310728	87	SPRINGPORT TEL CO	0.0740	0.2103	6,894	5,818	1,016	13,728	0.0740	0.0914
310732	+	UPPER PENINSULA TEL	0.1600	0.3417	16,478	10,330	4,992	31,801	0.1570	0.2145
310734	*	WALDRON TEL CO	0.1292	0.3801	4,896	1,451	1,006	7,352	0.1292	0.1368
310735	*	WESTPHALIA TEL CO	0.1292	0.1137	1,287	382	264	1,933	0.1292	0.1368
310738	87	WOLVERINE TEL CO	0.0595	0.1738	60,682	28,011	5,570	94,263	0.0591	0.0807
320753	87	CLAY CITY RURAL COOP	0.0691	0.2097	78,827	19,027	6,522	104,376	0.0691	0.0836
320762	87	ELMORA TEL CO	0.0718	0.1610	3,213	825	313	4,351	0.0720	0.1236
320778	87	HOME TEL CO INC	0.0624	0.1489	17,956	3,805	1,429	23,190	0.0616	0.1101
320779	87	CONTEL OF INDIANA	0.1197	0.2622	1,337,823	283,306	220,385	1,841,514	0.1197	0.1823
320797	87	NEW PARIS TEL INC	0.1233	0.2509	13,629	3,249	2,373	19,251	0.1233	0.1473
320800	87	NORTHWESTERN INDIANA	0.1317	0.4042	69,705	26,300	14,524	110,529	0.1314	0.1721
320807	*	PERRY-SPENCER RURAL	0.1292	0.2142	19,539	5,791	4,013	29,343	0.1292	0.1368
320813	*	PULASKI-WHITE RURAL	0.1292	0.2256	7,162	2,123	1,471	10,756	0.1292	0.1368
320830	*	TRI-COUNTY TEL CO	0.1292	0.1783	15,818	4,688	3,249	23,755	0.1292	0.1368
320839	*	YEOMAN TEL CO, INC	0.1292	0.2325	4,351	1,289	894	6,534	0.1292	0.1368
330841	87	CENCOM OF WISCONSIN	0.1014	0.2427	142,398	40,605	20,297	203,300	0.0998	0.1565
330842	*	AMERY TEL CO	0.1292	0.2825	48,501	14,375	9,962	72,838	0.1292	0.1368
330843	*	AMHERST TEL CO	0.1292	0.2058	16,403	4,861	3,369	24,633	0.1292	0.1368
330844	87	BADGER STATE TEL CO	0.0760	0.1707	35,661	8,232	3,609	47,502	0.0760	0.1142
330851	+	BONDUEL TEL CO	0.0528	0.1363	2,554	4,674	885	8,113	0.0507	0.0891
330855	*	BRUCE TEL CO, INC	0.1292	0.2748	9,540	2,828	1,960	14,327	0.1292	0.1368
330856	+	BURLINGTON B&W	0.1784	0.2925	11,902	8,952	4,867	25,721	0.1746	0.2194
330857	*	CASCO TEL CO	0.1292	0.1245	2,660	788	546	3,995	0.1292	0.1368
330858	*	LAKESHORE TEL CO	0.1292	0.1940	4,027	1,193	827	6,047	0.1292	0.1368
330859	87	CENTRAL STATE TEL CO	0.1088	0.2142	48,244	16,436	6,488	71,167	0.0912	0.1328
330860	87	CHEQUAMEGON TEL COOP	0.1892	0.3825	21,900	8,591	7,113	37,604	0.1982	0.2308
330861	*	CHIBARDUM TEL COOP	0.1292	0.2108	25,345	7,512	5,206	38,063	0.1292	0.1368
330870	87	CRANDON TEL CO	0.0916	0.1943	14,262	4,446	1,886	20,595	0.0916	0.1318
330876	+	DODGE COUNTY TEL CO	0.0445	0.1375	6,123	2,610	400	9,133	0.0438	0.0727
330882	+	FENNIMORE TEL CO	0.0852	0.2362	11,541	4,754	1,484	17,780	0.0835	0.1366
330883	87	FOOTVILLE TEL CO	0.0658	0.1805	9,204	1,257	695	11,156	0.0623	0.1168
330888	87	GREENWOOD TEL CO	0.0639	0.1788	12,816	2,552	970	16,337	0.0597	0.1072
330889	*	HAGER CITY TEL CO	0.1292	0.2728	14,605	4,329	3,000	21,933	0.1292	0.1368
330891	+	HEADWATERS TEL CO	0.1371	0.3058	13,007	5,528	2,949	21,484	0.1373	0.1779
330892	*	HILLSBORO TEL CO	0.1292	0.1628	6,011	1,781	1,235	9,027	0.1292	0.1368
330895	+	CENTURY OF WISCONSIN	0.1609	0.2593	425,449	62,850	73,086	561,385	0.1302	0.2206
330898	87	LARSEN-READFIELD TEL	0.0561	0.1653	13,817	4,971	1,117	19,906	0.0561	0.0792
330900	*	LEMONWEIR VALLEY TEL	0.1292	0.3297	19,223	5,697	3,949	28,869	0.1292	0.1368
330905	*	MANAWA TEL CO	0.1292	0.1887	7,414	2,197	1,523	11,134	0.1292	0.1368
330908	87	MARQUETTE-ADAMS COOP	0.2744	0.4874	11,960	5,927	6,672	24,560	0.2717	0.3659
330909	87	MIDWAY TEL CO	0.1184	0.2140	52,178	13,505	8,822	74,506	0.1184	0.1547
330910	*	MILLTOWN MUTUAL TEL	0.1292	0.2782	16,949	5,023	3,481	25,453	0.1292	0.1368
330913	87	MONROE COUNTY TEL CO	0.1586	0.2965	67,783	18,394	16,240	102,418	0.1586	0.2108
330914	+	MOSEL & CENTERVILLE	0.0706	0.2088	27,670	6,733	2,117	36,520	0.0580	0.0989
330916	87	MOUNT HOREB TEL CO	0.0886	0.2728	27,002	4,571	3,068	34,641	0.0886	0.1228

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
330917	87	MT VERNON TEL CO	0.1032	0.2254	51,710	10,554	7,166	69,430	0.1032	0.1249
330920	*	NIAGARA TEL CO	0.1292	0.3330	60,915	18,054	12,512	91,482	0.1292	0.1368
330922	+	NORTH-WEST TEL CO	0.1049	0.2481	450,383	114,113	67,196	631,691	0.1064	0.1521
330925	*	BAYLAND TEL CO	0.1292	0.1566	6,145	1,821	1,262	9,228	0.1292	0.1368
330931	87	PEOPLES TEL CO	0.0846	0.2021	38,305	13,427	4,782	56,514	0.0846	0.1059
330934	+	PLATTEVILLE TEL CO	0.1376	0.3118	46,841	14,980	9,841	71,662	0.1373	0.1833
330936	87	INDIANHEAD TEL CO	0.1358	0.3296	7,513	3,465	1,727	12,705	0.1359	0.2043
330937	+	PRICE COUNTY TEL CO	0.1255	0.2806	25,168	7,343	4,664	37,175	0.1255	0.1868
330940	+	RHINELANDER TEL CO	0.1128	0.2352	84,861	19,900	13,302	118,063	0.1127	0.1380
330941	*	RIB LAKE TEL CO	0.1292	0.2728	4,381	1,299	900	6,580	0.1292	0.1368
330943	+	ROCK RIVER TEL CO	0.1129	0.2166	9,315	4,925	1,743	15,983	0.1090	0.1264
330945	+	SCANDINAVIA TEL CO	0.0930	0.2560	10,785	5,334	1,571	17,691	0.0888	0.1216
330948	*	SHELL LAKE TEL CO	0.1292	0.2411	12,673	3,756	2,603	19,032	0.1292	0.1368
330949	*	SIREN TEL CO, INC	0.1292	0.3959	14,113	4,183	2,899	21,195	0.1292	0.1368
330950	87	SOLOM SPRINGS TEL CO	0.1798	0.3881	77,178	23,099	21,989	122,266	0.1798	0.2546
330952	87	SE TEL OF WISCONSIN	0.1168	0.2016	45,408	14,865	7,984	68,257	0.1170	0.1446
330954	+	STOCKBRIDGE & SHERWD	0.0477	0.1488	15,609	6,297	1,071	22,977	0.0466	0.0611
330956	87	UNIVERSAL OF N WISC	0.1351	0.4758	59,884	21,720	12,749	94,352	0.1351	0.2041
330959	*	THORP TEL CO	0.1292	0.2202	10,722	3,178	2,202	16,103	0.1292	0.1368
330961	*	TURTLE LAKE TEL CO	0.1292	0.2982	6,774	2,008	1,391	10,173	0.1292	0.1368
330963	87	UNITED TELEQUIPMENT	0.1711	0.2697	88,195	22,962	23,125	134,283	0.1722	0.2304
330964	+	URBAN TEL CORP	0.0682	0.2144	148,891	37,175	13,520	199,586	0.0677	0.1048
330965	87	VALDERS TEL CO	0.0620	0.1684	15,194	4,710	1,270	21,174	0.0600	0.0895
330967	*	VIROQUA TEL CO	0.1292	0.1991	17,837	5,286	3,664	26,787	0.1292	0.1368
330973	*	WITTENBERG TEL CO	0.1292	0.1398	6,752	2,001	1,387	10,140	0.1292	0.1368
330974	87	WOOD COUNTY TEL CO	0.1086	0.2150	193,659	35,440	27,798	256,897	0.1082	0.1417
341000	87	ALLTEL ILLINOIS INC.	0.1590	0.3233	331,800	102,255	82,032	516,087	0.1590	0.2119
341003	*	EGYPTIAN COOP ASSN	0.1292	0.2360	13,430	3,980	2,759	20,169	0.1292	0.1368
341004	87	EL PASO TEL CO	0.1018	0.2471	9,850	5,440	1,733	17,024	0.1018	0.1300
341009	*	C-R TEL CO	0.1292	0.1874	4,165	1,234	856	6,255	0.1292	0.1368
341011	87	LAKESIDE TEL CO	0.0788	0.2010	5,151	2,326	639	8,115	0.0788	0.1228
341023	87	GRIDLEY TEL CO	0.1297	0.2547	5,214	5,165	1,546	11,925	0.1297	0.1551
341036	87	CONTEL OF ILLINOIS	0.1323	0.2646	1,165,987	526,852	258,011	1,950,850	0.1323	0.1675
341037	87	IL CONSOLIDATED TEL	0.1059	0.2297	548,381	228,888	107,990	985,260	0.1096	0.1396
341038	87	INLAND TEL CO	0.0911	0.2038	21,060	18,886	4,005	43,952	0.0911	0.1250
341045	87	LEAF RIVER VLY TEL	0.0952	0.2193	2,262	2,170	467	4,899	0.0952	0.1288
341055	87	MIDLAND TEL CO	0.0847	0.2049	22,905	16,520	3,646	43,071	0.0847	0.1210
341060	87	MOULTRIE INDEPENDENT	0.0745	0.1797	4,283	2,333	532	7,149	0.0745	0.1126
341073	87	PRAIRIE TEL CO	0.0870	0.2172	6,234	2,983	878	10,096	0.0870	0.1337
351105	87	AYRSHIRE FARMERS MUT	0.1032	0.2347	1,442	1,309	317	3,068	0.1032	0.1253
351110	87	BERNARD TEL CO INC	0.0928	0.1998	3,829	1,560	402	5,791	0.0694	0.0858
351113	*	BROOKLYN MUTUAL TEL	0.1292	0.2043	6,613	1,960	1,358	9,931	0.1292	0.1368
351153	*	DUNKERTON TEL COOP	0.1292	0.1814	4,006	1,187	823	6,016	0.1292	0.1368
351207	87	CONTEL OF IOWA, INC.	0.0925	0.2377	566,607	180,073	76,099	822,778	0.0925	0.1577
351214	*	KALONA COOP TEL CO	0.1292	0.2520	11,802	3,498	2,424	17,724	0.1292	0.1368

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
351229	87	LOST NATION-ELWOOD	0.0815	0.1788	5,466	1,701	493	7,659	0.0644	0.0915
351316	*	UNITED FARMERS TEL	0.1292	0.2830	4,540	1,346	932	6,818	0.1292	0.1368
351327	87	WEBB-DICKENS TEL	0.1450	0.2658	1,559	1,854	579	3,992	0.1450	0.1861
351329	*	WELLMAN COOP TEL	0.1292	0.1923	6,358	1,884	1,306	9,548	0.1292	0.1368
351346	+	ACE TEL ASSN-IA	0.1017	0.2046	22,580	5,969	3,222	31,770	0.1014	0.1657
351888	87	GRAND RIVER MUT-IA	0.1325	0.2728	45,634	12,078	8,817	66,530	0.1325	0.1851
361140	87	CONTEL OF MINNESOTA	0.0933	0.2187	745,343	268,265	104,578	1,118,187	0.0933	0.1469
361346	+	ACE TEL ASSN-MN	0.1195	0.2571	75,625	16,574	12,375	104,574	0.1183	0.1812
361350	*	ARVIG TEL CO	0.1292	0.3031	43,724	12,959	8,981	65,664	0.1292	0.1368
361357	*	BLACKDUCK TEL CO	0.1292	0.2307	5,821	1,725	1,196	8,742	0.1292	0.1368
361362	*	BRIDGEWATER TEL CO	0.1292	0.2865	30,941	9,170	6,355	46,466	0.1292	0.1368
361370	*	CLARA CITY TEL EXCH	0.1292	0.3050	5,732	1,699	1,177	8,608	0.1292	0.1368
361373	*	CONSOLIDATED TEL CO	0.1292	0.2196	26,819	7,948	5,509	40,276	0.1292	0.1368
361374	+	ARROWHEAD COMM CORP	0.1039	0.2702	1,844	1,423	379	3,645	0.1039	0.1454
361379	*	DEER RIVER TEL CO	0.1292	0.2217	8,126	2,408	1,669	12,203	0.1292	0.1368
361383	*	EAGLE VALLEY TEL CO	0.1292	0.1677	2,404	713	494	3,611	0.1292	0.1368
361385	87	EAST OTTER TAIL TEL	0.0995	0.2667	84,568	20,509	11,606	116,683	0.0995	0.1348
361387	*	EMILY COOP TEL CO	0.1292	0.2232	3,985	1,181	819	5,985	0.1292	0.1368
361395	*	GARDEN VALLEY TEL CO	0.1292	0.2383	88,221	26,147	18,121	132,489	0.1292	0.1368
361399	*	GRANADA TEL CO	0.1292	0.1765	1,055	313	217	1,584	0.1292	0.1368
361401	*	HALSTAD TEL CO	0.1292	0.2685	14,685	4,352	3,016	22,053	0.1292	0.1368
361410	*	JOHNSON TEL CO	0.1292	0.3105	6,395	1,895	1,313	9,604	0.1292	0.1368
361414	+	LAKEDALE TEL CO	0.8780	0.1866	45,592	28,792	7,022	81,405	0.8626	0.1120
361425	*	MADELIA TEL CO	0.1292	0.2090	7,616	2,257	1,564	11,438	0.1292	0.1368
361433	87	MID STATE TEL CO	0.0767	0.2049	41,596	12,230	4,429	58,255	0.0760	0.1170
361442	*	NEW ULM TELECOM, INC	0.1292	0.2579	57,144	16,936	11,738	85,818	0.1292	0.1368
361443	*	NORMAN COUNTY TEL CO	0.1292	0.2453	28,371	8,409	5,828	42,608	0.1292	0.1368
361445	*	NORTHLAND TEL CO	0.1292	0.2106	3,276	971	673	4,920	0.1292	0.1368
361451	*	PAUL BUNYAN RURAL	0.1292	0.2380	29,839	8,844	6,129	44,811	0.1292	0.1368
361482	*	SHERBURNE CTY RURAL	0.1292	0.1879	25,682	7,612	5,275	38,569	0.1292	0.1368
361483	*	SLEEPY EYE TEL CO	0.1292	0.1823	21,349	6,327	4,385	32,061	0.1292	0.1368
361487	*	STARBUCK TEL CO	0.1292	0.2528	4,695	1,391	964	7,050	0.1292	0.1368
361491	+	TWIN VALLEY-ULEN TEL	0.0844	0.2181	25,839	6,542	2,983	35,364	0.0844	0.1382
361499	*	CROSSLAKE TEL CO	0.1292	0.3207	5,199	1,541	1,068	7,808	0.1292	0.1368
371516	+	ARAPAHOE TEL CO	0.0964	0.3093	6,995	2,453	1,008	10,457	0.0964	0.1449
371517	87	ARLINGTON TEL CO	0.1184	0.2887	6,028	3,558	1,221	10,807	0.1130	0.1650
371524	87	BLAIR TEL CO	0.1343	0.3052	43,891	14,248	9,018	67,157	0.1343	0.1732
371525	87	THREE RIVER TELCO	0.1348	0.3630	7,526	3,010	1,642	12,177	0.1348	0.1951
371530	*	CONSOLIDATED TELCO	0.1292	0.2397	10,106	2,995	2,076	15,176	0.1292	0.1368
371531	*	CLARKS TEL CO	0.1292	0.1992	4,441	1,316	912	6,669	0.1292	0.1368
371534	87	COZAD TEL CO	0.1136	0.2728	15,853	6,336	2,844	25,033	0.1136	0.1663
371536	87	CURTIS TEL CO	0.1087	0.1944	5,239	2,267	915	8,421	0.1087	0.1431
371537	87	DALTON TEL CO, INC	0.1882	0.4367	6,870	3,796	2,564	13,230	0.1942	0.2722
371540	87	DILLER TEL CO	0.1059	0.2728	5,173	2,477	906	8,557	0.1059	0.1522
371542	87	EASTERN NEBRASKA TEL	0.1436	0.3365	16,235	6,482	3,811	26,527	0.1436	0.1879

TABLE 4.27

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
371553	*	GLENWOOD TEL MEMBER	0.1292	0.2008	14,245	4,222	2,926	21,393	0.1292	0.1368
371557	87	HARTMAN TEL EXCH INC	0.2140	0.2728	2,807	951	1,023	4,781	0.2140	0.3203
371558	87	HEMINGFORD COOP TEL	0.0949	0.2817	8,609	1,097	1,018	10,723	0.0949	0.1586
371561	*	HERSHEY COOP TEL CO	0.1292	0.2922	6,190	1,835	1,271	9,296	0.1292	0.1368
371565	*	K & M TEL CO, INC	0.1292	0.2016	3,704	1,098	761	5,563	0.1292	0.1368
371567	87	KEYSTONE-ARTHUR TEL	0.2409	0.5049	971	1,011	567	2,550	0.2225	0.2463
371574	87	NEBRASKA CENTRAL TEL	0.0807	0.2571	22,578	8,383	2,719	33,679	0.0807	0.1236
371576	*	NORTHEAST NEBRASKA	0.1292	0.2405	24,343	7,215	5,000	36,558	0.1292	0.1368
371577	87	GREAT PLAINS COMMUN	0.1397	0.2772	164,480	66,205	37,472	268,157	0.1397	0.2118
371580	87	PETERSBURG TEL CO	0.0661	0.2284	2,351	1,439	268	4,058	0.0661	0.0844
371581	*	PIERCE TEL CO	0.1292	0.1839	7,467	2,213	1,534	11,214	0.1292	0.1368
371586	87	ROCK COUNTY TEL CO	0.1170	0.2824	7,381	2,887	1,367	11,636	0.1175	0.1841
371587	*	RODEO TEL, INC	0.1292	0.1842	14,369	4,259	2,951	21,578	0.1292	0.1368
371591	*	SE NEBRASKA TEL CO	0.1292	0.3061	35,320	10,468	7,255	53,043	0.1292	0.1368
371592	87	STANTON TEL CO, INC	0.0848	0.1965	7,960	2,777	995	11,732	0.0848	0.1284
371597	87	WAUNETA TEL CO	0.1505	0.2728	3,587	1,610	920	6,116	0.1505	0.1929
372455	*	BENKELMAN TEL CO	0.1292	0.3731	10,866	3,220	2,232	16,318	0.1292	0.1368
381447	87	CONTEL OF N. DAKOTA	0.1094	0.2807	59,325	22,701	15,136	97,162	0.1558	0.1745
381604	*	BEK TEL MUTUAL AID	0.1292	0.1998	23,254	6,892	4,776	34,922	0.1292	0.1368
381607	87	CONSOLIDATED COOP	0.1154	0.3192	38,258	8,018	6,039	52,315	0.1154	0.1683
381610	*	DAKOTA CENTRAL RURAL	0.1292	0.2295	16,032	4,752	3,293	24,077	0.1292	0.1368
381611	*	DICKEY RURAL COOP	0.1292	0.2460	20,924	6,201	4,298	31,424	0.1292	0.1368
381616	87	INTER-COMMUNITY TEL	0.1179	0.2230	9,124	3,710	1,716	14,549	0.1179	0.1522
381617	*	MIDSTATE TEL CO	0.1292	0.3912	12,651	3,750	2,599	18,999	0.1292	0.1368
381625	*	NORTHWEST COMM COOP	0.1292	0.3465	23,886	7,079	4,906	35,872	0.1292	0.1368
381630	*	POLAR COMM MUT AID	0.1292	0.2470	68,231	20,222	14,015	102,468	0.1292	0.1368
381632	87	RESERVATION TEL COOP	0.1230	0.3241	35,863	10,170	6,079	52,112	0.1167	0.1683
381634	87	SOURIS RIVER TEL MUT	0.1973	0.4029	88,639	25,695	27,816	142,150	0.1957	0.2587
381636	*	UNITED TEL MUTUAL	0.1292	0.2355	31,163	9,236	6,401	46,800	0.1292	-0.1368
381637	87	W. RIVER MUTUAL AID	0.1281	0.3463	80,182	20,232	14,747	115,160	0.1281	0.1938
391643	87	CONTEL OF S. DAKOTA	0.1663	0.3723	53,827	15,691	13,906	83,424	0.1667	0.2410
391645	*		0.1292	0.2817	18,726	5,550	3,846	28,122	0.1292	0.1368
391647	87	CHEYENNE RIVER SIOUX	0.1151	0.2820	20,686	4,180	3,236	28,101	0.1151	0.1646
391659	87	GOLDEN WEST TELECOMM	0.1588	0.3665	94,168	23,142	22,314	139,625	0.1588	0.2193
391666	87	JEFFERSON TEL CO -SD	0.4118	0.7300	1,859	628	1,741	4,229	0.4118	0.5479
391667	87	KADOKA TELEPHONE CO	0.2027	0.6113	2,696	1,014	943	4,652	0.2027	0.3014
391668	87	KENNEBEC TEL CO	0.1409	0.2901	1,299	916	363	2,579	0.1409	0.1883
391669	*	MCCOOK COOP TEL CO	0.1292	0.2412	4,597	1,362	944	6,903	0.1292	0.1368
391670	*	MIDSTATE TEL COMPANY	0.1292	0.2245	16,739	4,961	3,438	25,138	0.1292	0.1368
391676	*	SANBORN TEL COOP	0.1292	0.2232	13,586	4,027	2,791	20,403	0.1292	0.1368
391680	*	SULLY BUTTES TEL	0.1292	0.2329	30,048	8,906	6,172	45,126	0.1292	0.1368
391689	87	WEST RIVER COOP	0.1219	0.3115	16,159	3,121	2,678	21,958	0.1219	0.1927
401691	87	ALLTEL ARKANSAS INC	0.1171	0.2972	621,221	154,419	107,130	882,769	0.1214	0.1867
401692	87	ARKANSAS TEL CO	0.1470	0.2727	48,802	7,892	9,768	66,461	0.1470	0.2220
401697	87	CENTRAL ARKANSAS TEL	0.0934	0.2479	18,391	5,089	2,419	25,899	0.0934	0.1509

TABLE 4.27

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
401698	87	CLEVELAND COUNTY TEL	0.0889	0.2899	15,020	6,652	2,061	23,733	0.0868	0.1326
401699	87	DECATUR TEL CO INC	0.2365	0.6309	3,508	2,214	1,773	7,496	0.2365	0.2802
401702	87	SOUTH ARKANSAS TEL	0.0914	0.2754	27,688	6,913	3,480	38,082	0.0914	0.1414
401705	+	LIBERTY TEL & COMM	0.1313	0.3402	103,482	18,129	18,139	139,750	0.1298	0.2232
401709	87	MADISON COUNTY TEL	0.1359	0.2897	22,202	5,454	4,342	31,997	0.1357	0.2152
401711	+	MOUNTAIN HOME TEL	0.2081	0.4303	95,879	12,293	28,238	136,410	0.2070	0.3057
401713	87	NORTH ARKANSAS TEL	0.2231	0.4734	22,992	10,086	9,497	42,575	0.2231	0.3211
401720	+	REDFIELD TEL CO	0.0902	0.3083	9,251	3,783	1,292	14,326	0.0902	0.1332
401722	*	E RITTER TEL CO	0.1292	0.3183	40,205	11,916	8,258	60,379	0.1292	0.1368
401724	*	SW ARKANSAS TEL COOP	0.1292	0.2955	41,752	12,374	8,576	62,702	0.1292	0.1368
401726	87	TRI-COUNTY TEL CO-AR	0.1173	0.2560	42,363	6,902	6,533	55,798	0.1171	0.1928
401727	+	UNION TEL CO INC	0.1813	0.3623	3,166	886	897	4,949	0.1813	0.2840
401729	87	WALNUT HILL TEL CO	0.1740	0.4114	30,619	10,543	8,673	49,835	0.1740	0.2560
401730	87	CONTEL OF ARKANSAS	0.1182	0.2880	764,812	172,096	128,884	1,065,792	0.1209	0.1724
401733	87	YELCOT TEL CO INC	0.1510	0.3481	22,469	5,292	4,937	32,697	0.1510	0.2387
401734	87	YELL COUNTY TEL CO	0.0985	0.2346	33,890	10,272	4,824	48,986	0.0985	0.1485
411741	87	ASSARIA TEL EXCHANGE	0.1568	0.3011	2,100	2,181	796	5,077	0.1568	0.1856
411746	87	BLUE VALLEY TEL CO	0.1193	0.2745	13,325	8,933	3,016	25,274	0.1193	0.1700
411761	87	CUNNINGHAM TEL CO	0.1188	0.2868	7,918	4,859	1,723	14,499	0.1188	0.1638
411764	87	ELKHART TEL CO INC	0.2316	0.4786	9,178	2,385	3,715	15,278	0.2432	0.3339
411777	*	GOLDEN BELT TEL ASSN	0.1292	0.4216	21,393	6,340	4,394	32,127	0.1292	0.1368
411780	*	HAVILAND TEL CO	0.1292	0.2790	19,606	5,811	4,027	29,443	0.1292	0.1368
411781	87	H & B COMMUNICATIONS	0.1406	0.3135	3,978	3,329	1,194	8,501	0.1405	0.1600
411782	87	HOME TEL CO	0.1169	0.2866	6,261	4,922	1,480	12,663	0.1169	0.1435
411785	87	J. B. N. TEL CO INC	0.1320	0.2803	12,065	7,398	2,961	22,425	0.4618	0.6333
411788	87	KANOKLA TEL ASSN-KS	0.1620	0.3456	11,446	5,894	3,149	20,489	0.1620	0.2084
411789	87	KANSAS STATE TEL CO	0.2139	0.2728	42,671	7,095	13,746	63,511	0.2164	0.2818
411790	87	CONTEL OF KANSAS	0.1346	0.3024	258,847	167,448	71,474	497,769	0.1436	0.1836
411801	87	MADISON TEL CO INC	0.1103	0.2897	4,331	1,738	753	6,821	0.1103	0.1550
411807	87	MOKAN DIAL INC-KS	0.1669	0.3133	10,110	6,813	3,669	20,592	0.1782	0.2365
411808	87	MOUNDRIE TEL CO	0.1606	0.2912	13,773	6,426	3,978	24,177	0.1645	0.2055
411814	87	PEOPLES MUTUAL TEL	0.1723	0.4002	6,131	2,675	1,834	10,641	0.1723	0.2199
411818	87	CRAW-KAN TEL COOP	0.1395	0.2925	73,874	33,876	17,470	125,221	0.1395	0.1950
411820	*	RAINBOW TEL COOP	0.1292	0.2336	11,563	3,427	2,375	17,365	0.1292	0.1368
411826	87	RURAL TEL SERVICE CO	0.1131	0.2710	40,600	21,199	7,882	69,681	0.1131	0.1474
411827	87	S & T TEL COOP ASSN	0.1520	0.3699	8,366	5,889	2,738	16,993	0.1611	0.2058
411829	*	S & A TEL CO INC	0.1292	0.2354	4,168	1,235	856	6,259	0.1292	0.1368
411831	87	S. CENTRAL TEL - KS	0.1556	0.2973	4,551	3,830	1,545	9,926	0.1556	0.1979
411833	*	SOUTHERN KANSAS TEL	0.1292	0.2930	20,845	6,178	4,282	31,305	0.1292	0.1368
411835	87	SUNFLOWER TEL CO	0.1559	0.4101	26,786	9,413	7,360	43,559	0.1690	0.2307
411839	*	TRI-COUNTY TEL ASSN	0.1292	0.2256	17,302	5,128	3,554	25,984	0.1292	0.1368
411840	-	TWIN VALLEY TEL INC	0.1192	0.2520	10,796	6,494	2,341	19,632	0.1192	0.1660
411841	87	UNITED TEL ASSN	0.1546	0.4108	23,436	16,468	7,962	47,867	0.1663	0.2074
411845	*	WAMEGO TEL CO INC	0.1292	0.2720	23,923	7,090	4,914	35,927	0.1292	0.1368
411847	*	THE WHEAT STATE TEL	0.1292	0.2853	10,710	3,174	2,200	16,085	0.1292	0.1368

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FCODE	YEAR	CARRIER	IS	SLU	IS	SPF	LOC	DEM	ST	DEM	IS	DEM	TOT	DEM	IS	DEM	W	DEM
411849	87	WILSON TEL CO INC	0.1186	0.2499			10,794		6,063		2,268		19,126	0.1186	0.1595			
411852	87	ZENDA TEL COMPANY	0.0927	0.2114			1,049		1,082		218		2,349	0.0927	0.1165			
412030	87	TOTAH TELEPHONE CO	0.2108	0.4273			4,855		4,251		2,433		11,539	0.2108	0.2555			
421807	87	MOKAN DIAL INC-MO	0.1076	0.2417			4,108		2,178		758		7,044	0.1076	0.1605			
421846	87	CONTINENTAL SYS. -MO	0.1156	0.3418			335,632		97,079		57,201		489,912	0.1168	0.1841			
421859	87	BOURBEUSE TEL	0.1090	0.2728			8,823		5,400		1,740		15,963	0.1090	0.1313			
421865	87	CITIZENS TEL CO - MO	0.1523	0.2392			15,268		10,967		4,678		30,913	0.1513	0.1849			
421873	87	EASTERN MISSOURI TEL	0.0954	0.2012			13,624		8,621		2,346		24,591	0.0954	0.1199			
421882	87	FIDELITY TEL CO	0.1078	0.2226			72,386		27,295		12,044		111,725	0.1078	0.1433			
421885	87	ALLTEL MISSOURI	0.1199	0.2430			187,544		62,367		34,034		283,945	0.1199	0.1681			
421886	87	GOODMAN TEL CO	0.1987	0.4007			6,784		4,392		2,771		13,947	0.1987	0.2333			
421888	87	GRAND RIVER MUT-MO	0.0972	0.2461			103,794		26,844		14,057		144,695	0.0972	0.1385			
421901	87	KINGDOM TELEPHONE CO	0.1135	0.3711			14,755		11,493		3,359		29,607	0.1135	0.1579			
421904	87	MISSOURI TEL CO	0.1109	0.2317			126,304		32,968		19,825		179,097	0.1107	0.1745			
421908	87	LE-RU TELEPHONE CO	0.2356	0.2727			5,019		2,367		2,276		9,662	0.2356	0.3280			
421917	*	MID-MISSOURI TEL CO	0.1292	0.1954			14,783		4,381		3,036		22,200	0.1292	0.1368			
421920	*	MILLER TEL CO - MO	0.1292	0.2733			4,886		1,448		1,004		7,337	0.1292	0.1368			
421922	87	CONTEL OF MISSOURI	0.1261	0.2758			896,698		492,697		237,152		1,626,547	0.1458	0.1791			
421929	+	HOLWAY TEL CO	0.0900	0.2838			4,529		1,656		612		6,797	0.0900	0.1444			
421931	*	NE MISSOURI RURAL	0.1292	0.2811			23,125		6,854		4,750		34,729	0.1292	0.1368			
421932	87	LATHROP TEL COMPANY	0.1129	0.2009			7,706		3,771		1,461		12,938	0.1129	0.1544			
421934	87	ORCHARD FARM TEL CO	0.0810	0.2669			1,932		4,384		557		6,874	0.0810	0.0963			
421945	*	SENECA TEL CO	0.1292	0.3408			20,515		6,080		4,214		30,809	0.1292	0.1368			
421951	87	STOUTLAND TEL CO	0.0914	0.2774			6,477		2,611		914		10,002	0.0914	0.1442			
421963	87	WEBSTER COUNTY TEL	0.1074	0.3439			34,294		11,937		5,839		52,070	0.1121	0.1628			
421964	*	WHEELING TEL CO	0.1292	0.1824			1,787		530		367		2,683	0.1292	0.1368			
431788	87	KANOKLA TEL ASSN-OK	0.1754	0.3325			7,292		3,844		2,252		13,388	0.1754	0.2286			
431831	87	S. CENTRAL TEL - OK	0.2043	0.3873			2,026		1,139		813		3,978	0.2043	0.2784			
431965	87	ALLTEL OKLAHOMA INC	0.1228	0.3213			77,127		45,763		17,197		140,086	0.1228	0.1582			
431974	87	CANADIAN VALLEY TEL	0.1356	0.3490			3,587		2,580		973		7,140	0.1356	0.1831			
431976	87	CARNEGIE TEL CO INC	0.1115	0.2655			11,055		4,931		2,006		17,992	0.1115	0.1543			
431977	*	CENTRAL OKLAHOMA TEL	0.1292	0.2048			12,131		3,595		2,492		18,218	0.1292	0.1368			
431979	87	CHEROKEE TEL CO	0.2011	0.3830			32,049		10,478		10,711		53,238	0.2012	0.2544			
431980	87	CHICKASAW TEL CO	0.1024	0.3080			50,457		28,436		8,986		87,878	0.1092	0.1373			
431981	87	CHOUTEAU TEL CO	0.1193	0.3012			15,426		8,338		3,338		27,102	0.1232	0.1422			
431984	87	OKLAMOMA COMM SYSTEM	0.1008	0.2400			113,284		46,332		17,835		177,450	0.1005	0.1218			
431985	87	CROSS TEL CO	0.1024	0.2718			51,036		23,940		8,558		83,533	0.1024	0.1573			
431988	87	DOBSON TEL CO	0.1148	0.3685			34,506		12,165		6,052		52,723	0.1148	0.1768			
431994	87	GRAND TEL CO INC	0.1383	0.4319			16,530		7,787		3,895		28,211	0.1381	0.1900			
431995	87	HINTON TEL CO	0.0975	0.2253			21,134		10,726		3,442		35,303	0.0975	0.1240			
432006	87	MCLLOUD TEL CO	0.0480	0.2113			117,368		16,998		6,778		141,144	0.0480	0.0647			
432010	87	MID-AMERICA TEL INC	0.0979	0.3144			7,697		6,026		1,489		15,212	0.0979	0.1371			
432011	87	OKLAHOMA ALLTEL, INC	0.1448	0.3070			94,600		33,764		21,743		150,108	0.1448	0.2059			
432013	87	OKLAHOMA TEL & TEL	0.1207	0.2753			10,335		6,418		2,299		19,052	0.1207	0.2526			
432014	87	OKLAHOMA WESTERN TEL	0.1412	0.3646			14,008		7,657		3,563		25,228	0.1412	0.1913			

TABLE 4.27

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
432016	87	PANHANDLE TEL COOP	0.2582	0.5262	23,819	12,755	12,732	49,305	0.2582	0.3174
432018	87	PIONEER TEL COOP INC	0.0931	0.2859	282,654	122,264	41,735	446,653	0.0934	0.2286
432020	87	POTTAWATOMIE TEL CO	0.0954	0.2559	10,423	7,402	2,097	19,921	0.1052	0.1392
432030	87	TOTAH TELEPHONE CO	0.1480	0.3230	6,615	9,132	2,736	18,483	0.1480	0.1949
432032	87	VALLIANT TEL CO	0.1152	0.2728	15,846	4,649	2,993	23,488	0.1152	0.1553
432034	*	WYANDOTTE TEL CO	0.1292	0.3050	5,802	1,720	1,192	8,714	0.1292	0.1368
432141	*	SANTA ROSA TEL COOP	0.1292	0.3192	5,567	1,650	1,143	8,360	0.1292	0.1368
440425	87	CAMERON TEL CO TEXAS	0.0651	0.2353	4,378	3,009	515	7,902	0.0651	0.0949
442039	87	BIG BEND TEL CO INC	0.1750	0.3711	11,552	8,879	3,734	24,165	0.1750	0.1919
442040	87	BRAZORIA TEL CO	0.0587	0.1702	50,117	16,198	4,104	70,418	0.0583	0.0757
442041	87	BRAZOS TEL COOP INC	0.0776	0.1854	3,012	4,829	659	8,500	0.0776	0.0816
442046	87	CAP ROCK TEL CO INC	0.0846	0.1884	13,745	9,144	1,697	24,585	0.0846	0.0946
442052	87	CENTRAL TEXAS CO-OP	0.0508	0.1703	22,230	10,197	1,733	34,160	0.0507	0.0786
442057	*	COLEMAN COUNTY CO-OP	0.1292	0.2136	4,852	1,438	997	7,286	0.1292	0.1368
442059	87	COLORADO VALLEY TEL	0.0715	0.1676	29,153	14,798	3,383	47,334	0.0715	0.0938
442060	*	COMANCHE COUNTY TEL	0.1292	0.1512	11,720	3,473	2,407	17,600	0.1292	0.1368
442066	87	DELL TEL. CO-OP - TX	0.2466	0.5719	2,060	1,434	1,143	4,638	0.2466	0.3026
442068	87	EASTEX TEL COOP INC	0.0740	0.2144	151,779	52,168	16,319	220,265	0.0741	0.1135
442070	87	ETEX TEL COOP INC	0.0844	0.1882	47,163	35,115	7,587	89,865	0.0844	0.0937
442071	87	FIVE AREA TEL CO-OP	0.1125	0.2616	12,071	5,368	2,211	19,651	0.1125	0.1522
442072	87	FORT BEND TEL CO	0.0760	0.2726	208,590	38,864	20,224	267,677	0.0756	0.1065
442076	87	GANADO TELEPHONE CO	0.0529	0.1329	7,968	4,933	715	13,616	0.0525	0.0688
442083	87	GUADALUPE VALLEY TEL	0.1016	0.2341	74,019	62,337	15,405	151,762	0.1015	0.1199
442086	87	HILL COUNTRY CO-OP	0.0799	0.2502	50,721	25,545	6,623	82,889	0.0799	0.1014
442093	87	INDUSTRY TEL CO	0.0584	0.1672	6,447	5,636	731	12,813	0.0570	0.0710
442097	87	KERRVILLE TEL CO	0.1046	0.3175	114,642	49,344	19,643	183,629	0.1070	0.1255
442101	87	LAKE DALLAS TEL CO	0.2055	0.3123	17,546	25,194	9,517	52,256	0.2055	0.3482
442103	87	LA WARD TEL EXCHANGE	0.0848	0.1872	2,399	3,675	563	6,638	0.0848	0.0971
442104	*	LAKE LIVINGSTON TEL	0.1292	0.3116	2,446	725	502	3,674	0.1292	0.1368
442109	87	LUFKIN-CONROE TEL EX	0.0777	0.1942	655,107	354,821	133,238	1,143,166	0.0000	0.1166
442112	87	MID-PLAINS RURAL TEL	0.0963	0.2096	14,151	9,323	2,073	25,546	0.0959	0.1108
442116	87	MJENSTER TEL CORP-TX	0.0874	0.1989	11,639	5,639	1,636	18,914	0.0865	0.1230
442117	+	MUSTANG TEL CO	0.1817	0.2727	6,244	9,125	3,402	18,770	0.1812	0.2092
442121	87	ALLTEL TEXAS INC	0.0871	0.2545	20,405	8,605	2,769	31,779	0.0871	0.1241
442129	87	PEEPLS TELEPHONE CO	0.0670	0.1731	4,071	3,804	566	8,441	0.0670	0.0686
442130	87	PEOPLES TEL COOP -TX	0.0952	0.1841	44,936	23,735	5,955	74,626	0.0952	0.1049
442131	87	POKA-LAMBRO RURAL	0.0566	0.1668	22,936	13,004	2,154	38,094	0.0566	0.0854
442134	87	RIVIERA TEL CO INC	0.0934	0.2345	3,606	3,345	716	7,666	0.0934	0.1400
442135	87	SOUTHWEST TEXAS TEL	0.0749	0.2029	10,922	8,045	1,531	20,498	0.0747	0.0983
442136	87	ROMAIN TELEPHONE CO	0.1332	0.2788	5,899	3,038	1,373	10,310	0.1332	0.1932
442141	*	SANTA ROSA TEL COOP	0.1292	0.1911	4,454	1,320	915	6,688	0.1292	0.1368
442143	*	SOUTH PLAINS TEL	0.1292	0.1796	13,659	4,048	2,806	20,513	0.1292	0.1368
442147	87	SUGAR LAND TEL CO	0.1392	0.2930	362,288	41,920	65,978	470,186	0.1403	0.1602
442148	87	SWEENEY-OLD OCEAN	0.0957	0.2271	19,186	15,791	3,689	38,665	0.0954	0.1144
442151	87	TAYLOR TEL CO-OP INC	0.0712	0.1815	41,008	18,506	4,557	64,071	0.0711	0.1486

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
442153	87	TEXAS-MIDLAND TEL	0.0856	0.1955	49,334	40,072	8,369	97,775	0.0856	0.1225
442155	87	TRI-COUNTY TEL - TX	0.0572	0.1818	4,719	3,073	473	8,264	0.0572	0.0683
442156	87	TRINITY VALLEY TEL	0.0800	0.2454	40,623	16,376	4,954	61,953	0.0800	0.1100
442159	87	VALLEY TEL CO-OP -TX	0.0539	0.2013	27,302	18,039	2,577	47,918	0.0538	0.0776
442160	87	VALLEY VIEW TEL CO	0.1214	0.2333	3,317	4,522	1,067	8,906	0.1198	0.1351
442163	87	WATERWOOD COMM INC	0.2237	0.6151	228	1,054	369	1,651	0.2237	0.2024
442166	87	WEST TEXAS RURAL TEL	0.1382	0.3218	14,175	7,271	3,085	24,532	0.1382	0.1554
442168	87	WES-TEX TEL CO-OP	0.0560	0.1734	28,228	11,519	2,360	42,107	0.0560	0.0849
442170	87	XIT RURAL TEL CO-OP	0.2354	0.4209	5,363	3,687	2,895	11,946	0.2424	0.2684
442262	87	ENMR TEL COOP-TX	0.0940	0.4150	6,673	1,375	821	8,869	0.0939	0.1276
452171	87	ARIZONA TELEPHONE CO	0.2463	0.7500	3,085	5,241	2,722	11,048	0.2463	0.2930
452172	87	CITIZENS UTILITIES	0.2900	0.6250	246,080	62,053	125,845	433,978	0.2900	0.3229
452175	87	UNIVERSAL TEL OF SW	0.1493	0.4947	6,600	2,435	1,586	10,621	0.1493	0.2305
452176	*	VALLEY TEL COOP-AZ	0.1292	0.6298	16,938	5,020	3,479	25,437	0.1292	0.1368
452177	87	CONTEL OF WEST-AZ	0.1628	0.3771	151,229	105,100	75,433	331,762	0.2274	0.2274
452275	87	NAVAJO COMMUN-AZ	0.2821	0.7206	36,031	23,838	23,526	83,396	0.2821	0.3613
452302	87	CONTEL CALIF - AZ	0.2649	0.5271	27,259	8,940	13,002	49,201	0.2643	0.3846
461835	87	SUNFLOWER TEL - CO	0.2579	0.4267	1,374	1,036	838	3,248	0.2579	0.3389
462181	87	BIJOU TEL COOP ASSOC	0.1503	0.3657	2,962	2,944	1,083	6,989	0.1549	0.2037
462182	87	BLANCA TEL CO	0.2292	0.6548	1,866	1,247	926	4,039	0.2292	0.3312
462184	87	DELTA COUNTY TEL CO	0.1319	0.2890	53,430	9,674	9,805	72,909	0.1345	0.2123
462185	87	EAGLE TELECOMMUN INC	0.2071	0.5373	23,273	13,788	9,789	46,851	0.2090	0.2680
462186	87	EASTERN SLOPE RURAL	0.1468	0.3531	25,005	13,293	7,271	45,568	0.1596	0.2047
462187	87	EL PASO COUNTY TEL	0.1771	0.3408	10,579	7,123	3,809	21,510	0.1771	0.2171
462188	87	FARMERS TEL CO - CO	0.1918	0.4374	1,308	838	509	2,656	0.1918	0.2347
462190	87	HAXTUN TEL CO	0.1357	0.3216	7,929	4,369	1,931	14,229	0.1357	0.1858
462192	87	BIG SANDY TELCOMM	0.1463	0.3209	3,521	2,504	1,198	7,223	0.1659	0.1801
462193	87	NUCLA-NATURITA TEL	0.2288	0.4296	5,473	2,735	2,435	10,643	0.2288	0.3106
462194	87	NUNN TEL CO	0.2455	0.5217	992	803	584	2,379	0.2455	0.2866
462196	87	PEETZ COOP TEL CO	0.2271	0.4080	1,248	501	514	2,263	0.2271	0.3143
462197	*	PHILLIPS COUNTY TEL	0.1292	0.3666	14,819	4,392	3,044	22,256	0.1292	0.1368
462199	87	PLAINS COOP TEL ASSN	0.1234	0.2600	8,153	4,831	1,828	14,812	0.1234	0.1753
462203	87	RYE TELEPHONE CO	0.1737	0.4162	7,441	3,344	2,267	13,052	0.1737	0.2216
462204	87	COLUMBINE TEL CO	0.2682	0.6117	2,931	2,227	1,891	7,049	0.2682	0.3178
462207	87	STRASBURG TEL CO	0.1536	0.3728	3,945	3,481	1,348	8,774	0.1536	0.2060
462208	87	UNIVERSAL TEL CO -CO	0.2157	0.6651	32,374	5,984	10,549	48,907	0.2157	0.3171
462209	87	WIGGINS TEL ASSOC	0.1257	0.2832	5,461	4,465	1,513	11,439	0.1323	0.1727
472177	87	CONTEL OF WEST-ID	0.1848	0.4309	69,325	68,523	50,617	188,465	0.2686	0.2686
472213	87	ALBION TEL CO INC	0.1725	0.3769	6,674	2,451	1,902	11,026	0.1725	0.2332
472215	87	CAMBRIDGE TEL CO	0.1613	0.3790	3,962	2,043	1,155	7,160	0.1613	0.2134
472218	87	CUSTER TEL COOP	0.1810	0.7500	10,216	2,643	2,841	15,700	0.1810	0.2683
472223	87	GEM STATE UTIL-ID	0.1535	0.4527	6,774	2,826	1,741	11,341	0.1535	0.2196
472225	+	CENTURY TEL OF IDAHO	0.1445	0.3558	21,971	3,820	4,345	30,136	0.1442	0.1940
472226	87	MIDVALE TEL EXCH INC	0.2134	0.3018	744	429	318	1,491	0.2134	0.2734
472231	87	PROJECT MUTUAL TEL	0.0887	0.2970	84,935	8,219	9,244	102,398	0.0903	0.1303

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FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
472232	87	ROCKLAND TEL CO INC	0.1095	0.3220	2,239	928	390	3,557	0.1095	0.1598
472233	*	RURAL TEL CO - ID	0.1292	0.3558	1,080	320	222	1,622	0.1292	0.1368
472234	87	TROY TELEPHONE CO	0.2286	0.4437	2,873	1,900	1,415	6,188	0.2286	0.2768
472295	87	SILVER STAT TEL- ID	0.2128	0.5617	1,467	916	644	3,028	0.2128	0.2601
472423	87	INLAND TEL-ID	0.1931	0.3588	916	990	456	2,362	0.1931	0.2473
482235	87	BLACKFOOT TEL COOP	0.1788	0.4764	22,949	16,546	8,602	48,097	0.1788	0.2164
482242	87	INTERBEL TEL COOP	0.1890	0.5215	5,545	1,118	1,553	8,216	0.1890	0.2531
482244	87	LINCOLN TEL CO INC	0.1522	0.4757	2,816	1,670	805	5,291	0.1522	0.1919
482246	87	MID-RIVERS TEL COOP	0.1182	0.3168	47,238	18,253	8,776	74,267	0.1182	0.1680
482247	87	NEMONT TEL COOP-MT	0.2142	0.3731	8,571	7,198	4,163	19,932	0.2089	0.2330
482248	87	NORTHERN TEL COOP	0.1862	0.4831	7,104	4,964	2,760	14,828	0.1862	0.2269
482249	87	NW TEL SYSTEMS, INC.	0.2129	0.4158	199,762	82,012	81,996	363,770	0.2254	0.2992
482250	87	PROJECT TEL CO	0.1668	0.3663	12,418	7,215	3,931	23,565	0.1668	0.2092
482251	87	RANGE TEL COOP-MT	0.1685	0.4388	19,244	7,570	5,433	32,247	0.1685	0.2334
482254	87	SOUTHERN MONTANA TEL	0.2513	0.6929	2,171	2,037	1,413	5,620	0.2513	0.2942
482255	87	3-RIVERS TEL COOP	0.1549	0.4287	45,095	22,564	12,397	80,056	0.1549	0.1958
482257	87	TRIANGLE TEL COOP	0.1199	0.3254	58,389	25,697	11,455	95,541	0.1199	0.1591
482258	87	VALLEY RURAL TEL	0.1225	0.7135	3,559	2,039	782	6,380	0.1225	0.1560
492066	87	DELL TEL CO-OP - NM	0.2600	0.2728	1,062	476	540	2,078	0.2600	0.3283
492176	*	VALLEY TEL COOP - NM	0.1292	0.5413	13,561	4,019	2,785	20,365	0.1292	0.1368
492177	87	CONTEL OF WEST - NM	0.1699	0.3936	167,947	101,139	73,794	342,881	0.2152	0.2152
492259	87	BACA VALLEY TEL CO	0.2007	0.5777	3,286	1,358	1,166	5,811	0.2007	0.2547
492262	87	ENMR TEL COOP INC-NM	0.1880	0.3774	66,558	14,491	18,768	99,817	0.1880	0.2384
492263	87	LA JICARITA RURAL	0.0808	0.2565	15,844	3,356	1,687	20,887	0.0808	0.1301
492264	*	LEACO RURAL TEL COOP	0.1292	0.5157	7,829	2,320	1,608	11,757	0.1292	0.1368
492268	87	WESTERN NEW MEXICO	0.2168	0.4133	24,695	9,919	9,584	44,198	0.2168	0.2742
492270	87	PENASCO VALLEY TEL	0.1764	0.5233	11,632	5,495	3,437	20,563	0.1671	0.2029
492272	87	ROOSEVELT CNTY RURAL	0.1583	0.3346	13,236	3,708	3,187	20,130	0.1583	0.2317
492274	87	UNIVERSAL TEL OF SW	0.1773	0.4301	17,700	7,754	5,487	30,941	0.1773	0.2621
492275	87	NAVAJO COMMUN - NM	0.2878	0.6887	13,536	8,028	8,713	30,278	0.2878	0.3553
502177	87	CONTEL THE WEST - UT	0.1881	0.3575	125,521	59,177	68,837	253,535	0.2715	0.2715
502275	87	NAVAJO COMMUN - UT	0.5363	0.7500	699	539	1,431	2,669	0.5363	0.6294
502277	87	CENTRAL UTAH TEL INC	0.0889	0.2089	7,150	2,014	894	10,058	0.0889	0.1212
502278	*	EMERY COUNTY FARMERS	0.1292	0.2625	15,035	4,456	3,088	22,579	0.1292	0.1368
502280	87	KAMAS-WOODLAND TEL	0.1104	0.2474	7,576	4,291	1,473	13,340	0.1104	0.1626
502283	*	SKYLINE TELECOM	0.1292	0.1707	2,283	677	469	3,429	0.1292	0.1368
502286	87	SOUTH CENTRAL UTAH	0.1722	0.4022	16,466	4,614	4,385	25,466	0.1722	0.2381
502287	87	UINTAH BASIN TEL	0.1209	0.2907	18,317	8,729	3,719	30,765	0.1209	0.1652
502288	87	UT-WY TELECOM	0.0786	0.5146	9,067	956	855	10,877	0.0786	0.1486
512251	87	RANGE TEL COOP - WY	0.2218	0.5439	10,331	3,411	3,916	17,658	0.2218	0.2953
512290	87	UTAH-WYOMING TELECOM	0.3294	0.7300	1,537	329	917	2,783	0.3294	0.4789
512291	87	DUBOIS TEL EXCHANGE	0.2907	0.7016	6,844	2,643	3,893	13,381	0.2910	0.3587
512294	87	MEDICINE BOW TEL CO	0.1787	0.6947	1,085	519	349	1,953	0.1787	0.2604
512295	87	SILVER STAR TEL-WY	0.3069	0.7200	4,634	1,273	2,616	8,524	0.3069	0.3921
512297	87	UNION TELEPHONE CO	0.2335	0.6944	23,183	5,142	8,631	36,956	0.2335	0.6583

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512299	87	WYOMING TEL CO INC	0.2734	0.6820	14,794	5,130	7,522	27,445	0.2741	0.3801
522404	87	ASOTIN TEL - WA	0.1226	0.2682	8,185	934	1,274	10,393	0.1226	0.2209
522408	87	TEL UTIL OF WA INC	0.1485	0.3914	463,087	281,879	131,715	876,681	0.1502	0.1978
522410	87	COWICHE TELEPHONE CO	0.1057	0.2912	6,721	5,843	1,481	14,045	0.1054	0.1278
522412	87	ELLENSBURG TEL CO	0.1254	0.2855	109,213	34,514	20,605	164,332	0.1254	0.1791
522417	87	HAT ISLAND TEL CO	0.0000	0.2728	0	0	0	0	0.0000	0.0000
522419	87	HOOD CANAL TEL CO	0.1947	0.4136	1,440	2,388	926	4,754	0.1947	0.2197
522423	87	INLAND TEL CO -WA	0.1429	0.3978	7,998	3,171	1,863	13,031	0.1429	0.1945
522426	87	KALAMA TEL CO	0.1672	0.4248	7,603	5,866	3,051	16,521	0.1847	0.2233
522427	87	LEWIS RIVER TEL CO	0.2178	0.3929	10,803	9,093	5,540	25,435	0.2178	0.2611
522431	87	MASHELL TEL CO INC	0.1270	0.2755	7,214	8,188	2,241	17,643	0.1270	0.1490
522436	87	PENINSULA TELECOMM	0.1582	0.3241	29,064	14,804	8,169	52,036	0.1570	0.1996
522437	87	PIONEER TEL CO	0.1212	0.2919	4,002	2,276	866	7,144	0.1212	0.1534
522442	87	ST JOHN TEL CO	0.1539	0.2418	2,072	2,167	771	5,010	0.1539	0.1821
522446	87	TENINO TELEPHONE CO	0.1309	0.2390	10,667	8,871	2,990	22,529	0.1327	0.1614
522447	87	TOLEDO TELEPHONE CO	0.1424	0.2373	9,306	5,068	2,386	16,760	0.1424	0.1932
522449	87	CONTEL OF THE NW-WA	0.1358	0.3104	374,554	235,182	134,900	744,636	0.1812	0.1812
522451	87	WESTERN WAHKLAKUM	0.1320	0.2934	5,359	2,567	1,205	9,131	0.1320	0.1875
522452	87	WHIDBEY TEL CO.	0.0880	0.2728	42,111	17,074	6,020	65,204	0.0923	0.1334
522453	87	YELM TELEPHONE CO	0.1058	0.2769	35,942	21,572	6,928	64,442	0.1075	0.1331
532226	87	MIDVALE TEL EXCH -OR	0.1223	0.3030	1,992	753	382	3,127	0.1223	0.1961
532304	87	C P NATIONAL CORP-OR	0.1919	0.4449	50,874	32,778	19,970	103,622	0.1927	0.2444
532359	87	BEAVER CREEK COOP	0.0989	0.2550	37,320	9,277	5,117	51,713	0.0989	0.1157
532361	87	TEL UTIL OF OREGON	0.1518	0.3522	239,420	125,963	68,994	434,377	0.1588	0.2151
532362	87	CANBY TEL ASSN	0.0989	0.2872	56,015	26,972	9,108	92,095	0.0989	0.1261
532363	87	CLEAR CREEK MUTUAL	0.1049	0.2526	31,907	7,366	4,269	43,541	0.1049	0.1305
532364	87	COLTON TEL CO	0.1017	0.3132	7,286	3,453	1,337	12,076	0.1017	0.1460
532371	87	CASCADE UTIL INC	0.1034	0.3035	62,083	18,764	9,325	90,172	0.1034	0.1450
532375	87	RTI/HALSEY TEL CO	0.2977	0.3856	2,054	4,612	2,825	9,491	0.2977	0.3392
532376	87	HELIX TEL CO.	0.1960	0.4147	665	847	368	1,880	0.1960	0.2217
532377	87	HOME TELEPHONE CO	0.1098	0.3162	2,848	1,572	545	4,965	0.1098	0.1625
532378	87	TRANS-CASCADES TEL	0.1855	0.4460	577	352	212	1,141	0.1855	0.2599
532383	87	MOLALLA TEL CO.	0.0092	0.2576	34,787	15,819	5,097	55,702	0.0092	0.1195
532385	87	MONROE TELEPHONE CO.	0.1130	0.3825	3,117	2,745	747	6,608	0.1130	0.1453
532387	87	NEHALEM TEL & TEL	0.1465	0.4131	5,529	4,351	1,695	11,576	0.1465	0.1784
532388	87	NORTH STATE TEL CO.	0.1463	0.3291	1,497	1,455	506	3,457	0.1463	0.1746
532389	87	OREGON TEL CORP	0.4068	0.3782	6,032	5,544	2,053	13,629	0.1507	0.1972
532392	87	PINE TEL SYSTEM INC.	0.1880	0.2838	4,006	1,405	1,253	6,664	0.1880	0.2587
532393	87	PIONEER TEL COOP	0.1394	0.3740	56,957	23,878	13,098	93,933	0.1394	0.1836
532397	87	SCIO MUTUAL TEL ASSN	0.1117	0.2451	7,940	4,906	1,615	14,460	0.1117	0.1406
532399	*	STAYTON COOP TEL CO	0.1292	0.3024	35,921	10,646	7,378	53,945	0.1292	0.1368
532404	-	87 ASOTIN TEL - OR	0.3731	0.7500	151	160	185	497	0.3731	0.4506
532449	87	CONTEL OF THE NW- OR	0.1275	0.2949	166,016	138,518	66,278	370,812	0.1787	0.1787
532456	87	MALHEUR HOME TEL CO	0.2082	0.3484	107,566	13,359	31,788	152,713	0.2082	0.2315
542301	87	CALAVERAS TEL CO	0.0824	0.2488	5,480	5,382	975	11,837	0.0824	0.0905

TABLE 4.27

1987 NONTIER 1 NETWORK USAGE DATA
DEM MINUTES (IN THOUSANDS) AND VARIOUS FACTORS

PAGE 15

FCODE	YEAR	CARRIER	IS SLU	IS SPF	LOC DEM	ST DEM	IS DEM	TOT DEM	IS DEM	W DEM
542304	87	C P NATIONAL CORP-CA	0.1067	0.2772	62,326	41,415	12,469	116,210	0.1073	0.1409
542306	*		0.1292	0.2748	1,977	586	406	2,969	0.1292	0.1368
542308	87	CITIZENS UTIL OF CA	0.0793	0.2319	485,223	156,572	55,254	697,049	0.0793	0.1107
542311	87	CALIF-OREGON TEL CO	0.2442	0.4166	9,695	4,839	4,695	19,229	0.2442	0.3212
542313	87	DUCOR TELEPHONE CO	0.6850	0.2156	2,105	2,755	357	5,217	0.6850	0.8873
542315	87	EVANS TEL CO.	0.0614	0.1941	44,165	29,395	4,598	78,159	0.0588	0.0776
542318	*	FORESTHILL TEL CO.	0.1292	0.2610	6,340	1,879	1,302	9,521	0.1292	0.1368
542321	*	HAPPY VALLEY TEL CO	0.1292	0.1812	13,414	3,976	2,755	20,145	0.1292	0.1368
542322	*	HORNITOS TEL CO	0.1292	0.2538	4,310	1,277	885	6,473	0.1292	0.1368
542324	87	KERMAN TELEPHONE CO	0.0502	0.1489	40,522	14,443	3,095	58,061	0.0533	0.0702
542332	87	THE PONDEROSA TEL CO	0.0570	0.1972	27,619	19,986	2,877	50,482	0.0570	0.0714
542334	87	ROSEVILLE TEL CO	0.7022	0.1991	605,801	143,049	53,814	802,663	0.6704	0.8102
542338	*	SIERRA TELEPHONE CO	0.1292	0.1945	57,150	16,938	11,739	85,826	0.1292	0.1368
542339	87	THE SISKIYOU TEL CO	0.1277	0.3105	13,681	25,536	7,230	46,448	0.1557	0.1557
542342	87	TUOLUMNE TEL CO	0.0833	0.2634	18,651	18,828	3,403	40,882	0.0832	0.0982
542343	87	THE VOLCANO TEL CO	0.0646	0.2036	26,008	32,450	4,162	62,620	0.0665	0.0833
542346	+	PINNACLES TEL CO	0.1940	0.4069	279	1,723	482	2,484	0.1940	0.2072
552223	87	GEM STATE UTIL-NV	0.2537	0.5780	1,509	437	661	2,606	0.2537	0.3240
552233	*	RURAL TEL CO - NV	0.1292	0.3050	1,952	578	401	2,931	0.1292	0.1368
552302	87	CONTEL OF CALIF-NV	0.3129	0.7300	102,721	31,712	70,869	205,302	0.3452	0.4097
552304	87	CP NATIONAL-NV	0.3063	0.7200	55,951	18,774	33,600	108,325	0.3102	0.3896
552349	87	CHURCHILL COUNTY TEL	0.2279	0.5470	61,561	9,419	20,956	91,935	0.2279	0.3004
552351	87	LINCOLN CTY TEL SYS	0.2298	0.5709	7,200	3,926	3,320	14,446	0.2298	0.3048
552353	87	MOAPA VALLEY TEL CO.	0.2075	0.6200	12,729	3,721	4,307	20,757	0.2075	0.3176
552354	87	NEVADA TEL-TELEGRAPH	0.3042	0.7500	12,895	5,089	7,800	25,783	0.3025	0.3849
552356	87	RIO VIRGIN TEL CO	0.3907	0.3250	5,406	1,029	4,126	10,561	0.3907	0.4835
613000	87	ANCHORAGE TEL UTIL	0.1327	0.4752	1,809,209	134,842	297,498	2,241,548	0.1327	0.1524
613001	87	ARCTIC SLOPE TEL	0.3231	0.7500	8,033	9,302	8,272	25,606	0.3231	0.3378
613003	87	BRISTOL BAY TEL COOP	0.2117	0.7500	5,440	2,647	2,172	10,260	0.2117	0.2643
613004	87	BUSH-TELL INC.	0.0749	0.4284	3,087	2,095	419	5,602	0.0749	0.0953
613006	87	COPPER VALLEY TEL	0.2105	0.5457	20,431	7,240	7,379	35,049	0.2105	0.2752
613007	87	CORDOVA TEL COOP	0.2252	0.7400	10,048	2,459	3,634	16,140	0.2251	0.2937
613008	*	FAIRBANKS MUNICIPAL	0.1292	0.4401	271,216	80,383	55,708	407,308	0.1292	0.1368
613009	87	GTE ALASKA INC.	0.1788	0.4997	93,300	33,023	27,498	153,821	0.1788	0.2570
613010	87	GLACIER STATE TEL CO	0.1925	0.5877	290,151	46,945	61,395	398,490	0.1541	0.2113
613011	87	INTERIOR TEL CO INC	0.3187	0.7500	10,797	6,834	8,248	25,879	0.3187	0.3791
613012	87	JUNEAU & DOUGLAS TEL	0.1808	0.5489	162,738	23,282	41,887	227,906	0.1838	0.2545
613013	*	KETCHIKAN PUBLIC UT	0.1292	0.5584	87,916	26,056	18,058	132,030	0.1292	0.1368
613015	87	MATANUSKA TEL ASSOC	0.1325	0.3969	294,407	62,645	54,539	411,591	0.1325	0.1819
613016	87	MUKLUK TEL CO INC	0.1098	0.2728	2,542	2,463	617	5,622	0.1098	0.1475
613018	87	NUSHAGAK TEL COOP	0.1590	0.5702	10,274	3,913	2,683	16,870	0.1590	0.2287
613019	87	OTZ TEL COOPERATIVE	0.0927	0.3409	13,175	6,526	2,013	21,714	0.0927	0.1328
613020	87	SITKA TELEPHONE CO	0.2234	0.5799	49,636	20,182	20,294	90,113	0.2252	0.3109
613022	87	TEL UTIL OF ALASKA	0.3010	0.7500	17,359	1,537	8,197	27,094	0.3026	0.3982
613023	-*	UNITED UTILITIES INC	0.1292	0.3030	11,457	3,396	2,353	17,206	0.1292	0.1368
613025	87	YUKON TEL CO INC	0.1925	0.3887	1,455	1,427	687	3,569	0.1925	0.2270
633200	*	PUERTO RICO COMM	0.1292	0.3250	454,366	134,664	93,328	682,358	0.1292	0.1368
643300	87	VIRGIN ISLANDS TEL	0.1584	0.4101	1,005,897	0	277,075	1,282,972	0.0000	0.2160

+ - COMPANIES WHO SUBMITTED 1986 RATHER THAN 1987 DATA

* - COMPANIES FOR WHOM NECA COMPUTED DATA

- GTE'S DEM MINUTES ARE WEIGHTED

APPENDIX

EXPLANATORY MATERIAL ON NETWORK USAGE DATA *

* This explanatory material was submitted by NECA as part of the monitoring program in CC Docket No. 87-339, and is included here for help in explaining the detailed data presented in Tables 4.12 through 4.27.

Appendix

Cost Company Network Usage Data 1984-1987

As part of the monitoring program in CC Docket No 87-339, NECA has collected and compiled annual data on Network Usage and Growth. The first report consisted of 1985 and 1986 information that was collected from Tier 1 Companies during November of 1987 and was subsequently forwarded to the Common Carrier Bureau. The second report consisted of Network Usage Data from Tier 1 Companies for the periods 1980 through 1984 with revisions made to 1985 and 1986 results based upon company corrections. Also included in this report was an estimate of "all other Cost Companies" network usage based upon a sampling approach performed by NECA.

Throughout this process, it became evident that there was some definitional confusion regarding what data was expected. Also, NECA was gaining experience toward the validation of the data received. To this extent, NECA submitted a standardized list of detailed definitions for companies to follow and to use to validate previously filed information. The standardized definitions are included in this appendix.

In preparation for the Network Usage report NECA received and validated 1987 data from 594 cost companies. Fifty-three cost companies provided 1986 results since their 1987 cost studies were not complete at the time of the collection. NECA prepared an estimate of Network Usage data for the remaining 147 cost companies. These estimates are based upon characteristics from similar cost companies providing 1987 network usage information and applied to study area-specific information available. Coincidentally, by using the 1987 company provided Network Usage information, NECA was able to update the 1984-1986 data previously filed. NECA intends to continually enhance the data collection and validation process to improve the quality of data reported.

As part of the pool settlement process, NECA collects and maintains monthly information for each study area. As part of this process NECA derives Carrier Common Line access minutes of use by dividing reported revenue by the appropriate rates. These earned minutes of use were not only used in the Network Usage reports but were also the basis for updating the 1984-1986 estimates of the "all other cost companies" Network Usage data. The sequence of steps taken to update the 1984-1986 "all other cost companies" Network Usage information are as follows:

1. Calculate separate access minutes relationship factors for the tier one and all other cost companies based on the 1987 network usage and growth data. Access minute relationship factors were developed for the estimation of local DEM minutes, state DEM

minutes, interstate DEM minutes, state messages, interstate messages, local SLU minutes, state SLU minutes and interstate SLU minutes network usage items.

2. Calculate the relationship of the all other cost companies 1987 factors to the tier one 1987 factors.
3. Calculate the 1985 and 1986 all other cost companies factors by applying the relationship calculated in Step 2 above to the 1985 and 1986 tier one access minute relationship factors.
4. Calculate the 1984 all other cost companies factors by trending the 1985-1987 all other cost companies access minute relationship factors.
5. Sum the earned CCL MOUs derived by NECA for the respective periods.
6. Accumulate loop counts for the all other cost companies from USF data collections provided to NECA by the individual exchange carriers.
7. Calculate a weighted SPF from data supplied in the USF data collection process.
8. It is assumed that the SLU factor equals the unweighted DEM factor for these companies.

Average Schedule Companies
1984-1987

The estimated Network Usage and Growth Data for the Average Schedule Companies for the years 1984-1987 was based on access (CCL) minutes relationship factors. NECA derives earned minutes of use by dividing CCL revenues by the appropriate rates. The underlying basis for the 1984-1987 factors was the 1987 cost company network usage and growth data. The 1987 data was used as the basis because it represents data for network usage that was collected from non-tier one cost companies for the first time by NECA. It is therefore assumed, for the purposes of filing Network Usage and Growth data, that the Average Schedule companies have the same Network Usage and Growth characteristics as the "All Other Cost Companies". The sequence of steps to calculate the 1984-1987 relationship factors are as follows:

1. Calculate separate access minute relationship factors for the tier one and all other cost companies based on the 1987 network usage and growth data. Access minute relationship factors were developed for the estimation of local DEM minutes, state DEM minutes, interstate DEM minutes, state messages, interstate messages, local SLU minutes, state SLU minutes, and interstate SLU minutes network usage items.
2. Calculate the relationship of the all other cost companies 1987 factors to the tier one 1987 factors.
3. Calculate the 1985 and 1986 all other cost companies factors by applying the relationship calculated in Step 2 above to the 1985 and 1986 tier one access minute relationship factors.
4. Calculate the 1984 all other cost companies factors by trending the 1985-1987 all other cost companies access minute relationship factors.
5. Estimate the SPF from the Average Schedule Settlement process.
6. Estimate loop counts from the 1987 USF data submission.
7. Sum the earned CCL MOUs derived by NECA for the respective periods for Average Schedule companies.
8. It is assumed that the SLU factor equals the unweighted DEM factor for these companies.

Definitions

State Toll Messages

Record the annual count of all originating sent paid sent collect, state toll messages including originating OUTWATS/800 service, regular message telephone, operator handled messages, etc.

Interstate Toll Messages

Record the annual count of all originating sent paid and sent collect interstate toll messages, including originating OUTWATS/800 Service, regular message telephone, operator handled messages, etc.

Local SLU Minutes

Record the total annualized local exchange minutes.

State Toll SLU Minutes

Record the annualized state toll minutes, excluding all WATS MOUs but including outward 800 Service used in the cost study to calculate the study area SLU factor.

Interstate SLU Minutes

Record the total annualized interstate toll minutes, excluding all WATS MOUs but including outward 800 Service used in the cost study to calculate the study area SLU factor.

Total SLU Minutes

Record the sum total of Local, State Toll and Interstate SLU Minutes to calculate total SLU minutes.

Interstate SLU Factor

Record the factor used in the cost study.

Interstate SPF Factor

Record the transitional SPF factor used in the cost study.

Local DEM Minutes

Record the total annualized local dial equipment minutes used in the cost study to develop the DEM factor.

Unweighted State Toll DEM Minutes

Record the company total (all locations) of the unweighted state toll dial equipment minutes. (Unweighted DEM minutes = SLU minutes plus OUTWATS/800 minutes.)

Unweighted Interstate DEM Minutes

Record the company total (all location) of the unweighted interstate dial equipment minutes.

Unweighted Total DEM Minutes

Record the sum of Local, Unweighted State Toll and Unweighted Interstate DEM Minutes.

Unweighted Interstate DEM Factor

Record unweighted interstate DEM factor.

Weighted DEM Factor

Report the total over all locations of the weighted interstate toll DEM minutes divided by the sum of the total over all locations, interstate toll weighted DEM minutes plus the state toll weighted DEM minutes plus local DEM minutes.

NOTE: Unweighted DEMs = SLU minutes plus OUTWATS/800 minutes for the period 6/1/87 to 12/31/88. Loops are end of period as reported to NECA during the USF data collection process Carrier Common Line minutes are derived earned minutes of use by dividing CCL revenues by the appropriate rates.

5. Rates and Revenues

This section contains a variety of information on telephone price indexes and rate levels. First, it describes and presents a series of price indexes maintained by the Bureau of Labor Statistics. Second, it discusses rate levels and changes in average rate levels. Third, it summarizes rate cases pending before state regulatory commissions. These cases are an important indicator of future local rate changes.

CHANGES IN THE PRICE OF TELEPHONE SERVICES:

The Bureau of Labor Statistics (BLS) collects a variety of information on telephone service as part of three separate programs -- the Consumer Price Index (CPI), the Producer Price Index (PPI), and the Consumer Expenditure Survey. The monthly price indexes represent prices sampled in the middle of the month.

A. Long-Term Trends in the Overall Price of Telephone Service:

A price index for telephone services was first published in 1935. Since that time, telephone prices have tended to increase at a slower pace than most other prices. Table 5.1 shows long run changes in the Consumer Price Indexes for all items, all services, telephone services, each of the seven major categories that currently constitute the overall CPI, and several services that are often characterized as public utilities. The price of telephone service has increased less rapidly than almost any other category when viewed over a long period of time. ¹

1 For a description of the methodologies used by the BLS in calculating price indexes, see Primer and Sourcebook on Telephone Price Indexes and Rate Levels, published by the FCC in April 1987. In early 1987, the Bureau of Labor Statistics revised its telephone-related PPI indexes and published revised index numbers for the period back to January 1984. The BLS has also made revisions to the CPI telephone service sample. The PPI and CPI revisions are described in Local Rates Update, published by the FCC in September 1987 and Telephone Rates Update, published by the FCC in December 1987. In January 1988, the BLS published revised CPI indexes so that most have an average value of 100 for the period 1982 through 1984.

Table 5.1
Annual Rate of Change For Various Price Indexes*

	1937 to 1987	1977 to 1987
CPI all goods and services	4.2%	6.5%
CPI all services	4.7	8.0
CPI telephone service	2.4	4.5
CPI major categories		
- food & beverages	**	5.9
- housing	**	7.1
- apparel & upkeep	3.3	3.5
- transportation	4.0	6.0
- medical care	5.2	8.6
- entertainment	**	5.4
- other goods & services	**	7.8
CPI public transportation	5.3	9.2
CPI piped gas	4.1	8.2
CPI electricity	2.6	6.9
CPI sewer & water maintenance	**	7.8

* Exponential rates calculated using "year average" index values the first and last years of each comparison period.

** Series not established until after 1937.

B. Recent Annual Changes in the Overall Price of Telephone Service:

The CPI index of telephone services is based on a "market basket" intended to represent the telephone-related expenditures of a typical urban household. It includes both local and long distance services. Changes in telephone prices tend to lag behind other price changes. Overall inflation in the American economy peaked in 1979 and 1980. In contrast, the price of telephone services rose most rapidly during the years 1981 through 1984, with the rate of increase declining in 1985 and again in 1986. The cost of telephone service fell slightly in 1987 and has remained basically unchanged during the first ten months of 1988. The annual rate of change during each of the last ten years is shown in Table 5.2 for the Gross National Product fixed weight price index (which reflects inflation throughout the economy), the overall CPI (which measures the impact of inflation on consumers), and the CPI for telephone services.

Table 5.2
Annual Rate of Change in Price Indexes

	GNP Fixed Weight Price Index	CPI: All Items	CPI: Telephone Services
1978	7.2	9.0%	0.9%
1979	8.8	13.3	0.7
1980	9.8	12.5	4.6
1981	8.5	8.9	11.7
1982	5.0	3.8	7.2
1983	3.9	3.8	3.6
1984	3.7	3.9	9.2
1985	3.6	3.8	4.7
1986	2.3	1.1	2.7
1987	4.0	4.4	-1.3
1988*	4.4	5.0	0.1

* For 1988, the annual rate of change is the annualized change based on 10 months of data through October 1988, except the GNP index, which is based on 9 months of data through September.

C. Price Indexes for Local Service:

The Bureau of Labor Statistics publishes a number of price indexes related to local telephone service, two of which are important to the monitoring program. The CPI index of local telephone charges is based on a broadly defined "market basket" of local services that includes monthly service charges, message unit charges, equipment, installation, additional services (such as Touch-Tone and Call Waiting), taxes, subscriber line charges, and all other consumer expenditures associated with local telephone services except long distance charges. In contrast, the PPI index of monthly residential rates is much more narrowly defined. It is based only on monthly service charges for residential service, optional Touch-Tone service, and subscriber line charges. It excludes taxes and all other telephone service charges. The annual rates of change for these two indexes are presented in Table 5.3. In the CPI index, about half of the 1984 increase occurred during January, reflecting adjustments made at the time of AT&T's divestiture of its operating companies. In January 1987, The PPI index was revised to include subscriber line charges. Revised index numbers for 1985 and 1986 were issued based on the new methodology.

Table 5.3
Annual Rate of Change in Price Indexes
For Local Telephone Service

	CPI: All Local Charges	PPI: Monthly Service Charges For Residential Service
1978	1.4%	3.1%
1979	1.7	1.6
1980	7.0	7.1
1981	12.6	15.6
1982	10.8	9.0
1983	3.1	0.2
1984	17.2	10.4
1985	8.9	12.4
1986	7.1	8.9
1987	3.3	2.6
1988*	1.9	-0.5

* For 1988, the annual rate of change is the annualized change based on 10 months of data through October 1988.

D. Price Indexes for Long Distance Service:

CPI data are available for intrastate toll and interstate toll services since December 1977. Table 5.4 presents the annual changes in these series for recent years. The high inflation of the late 1970's is reflected in the long distance price increases beginning in 1980. Interstate toll rates have steadily fallen since 1983, and intrastate toll rates have fallen in the last two years.

Table 5.4
Annual Rate of Change in Price Indexes
For Long Distance Service

	CPI: Interstate Toll calls	CPI: Intrastate Toll calls
1978	-0.8%	1.3%
1979	-0.7	0.1
1980	3.4	- 0.6
1981	14.6	6.2
1982	2.6	4.2
1983	1.5	7.4
1984	-4.3	3.6
1985	-3.7	0.6
1986	-9.5	0.3
1987	-12.4	-3.0
1988*	-1.5	-4.8

* For 1988, the annual rate of change is the annualized change based on 10 months of data through October 1988.

E. Monthly Price Index Data:

Monthly data for the CPI telephone indexes are shown in Table 5.5. Monthly data for four PPI indexes (local residential service, local business service, intrastate toll and interstate toll) are shown in Table 5.6.

TABLE 5.5

11/22/88

U.S. Department of Labor
Bureau of Labor Statistics
Washington, D.C. 20212

Consumer Price Index

All Urban Consumers - (CPI-U)

U.S. city average

All items

1982-84=100

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	SEMIANNUAL		PERCENT CHANGE		
													1ST HALF	2ND HALF	AVG.	DEC-DEC	AVG-AVG
1970	37.8	38.0	38.2	38.5	38.6	38.8	39.0	39.0	39.2	39.4	39.6	39.8			38.8	5.6	5.7
1971	39.8	39.9	40.0	40.1	40.3	40.6	40.7	40.8	40.8	40.9	40.9	41.1			40.5	3.3	4.4
1972	41.1	41.3	41.4	41.5	41.6	41.7	41.9	42.0	42.1	42.3	42.4	42.5			41.8	3.4	3.2
1973	42.6	42.9	43.3	43.6	43.9	44.2	44.3	45.1	45.2	45.6	45.9	46.2			44.4	8.7	6.2
1974	46.6	47.2	47.8	48.0	48.6	49.0	49.4	50.0	50.6	51.1	51.5	51.9			49.3	12.3	11.0
1975	52.1	52.5	52.7	52.9	53.2	53.6	54.2	54.3	54.6	54.9	55.3	55.5			53.8	6.9	9.1
1976	55.6	55.8	55.9	56.1	56.5	56.8	57.1	57.4	57.6	57.9	58.0	58.2			56.9	4.9	5.8
1977	58.5	59.1	59.5	60.0	60.3	60.7	61.0	61.2	61.4	61.6	61.9	62.1			60.6	6.7	6.5
1978	62.5	62.9	63.4	63.9	64.5	65.2	65.7	66.0	66.5	67.1	67.4	67.7			65.2	9.0	7.6
1979	68.3	69.1	69.8	70.6	71.5	72.3	73.1	73.8	74.6	75.2	75.9	76.7			72.6	13.3	11.3
1980	77.8	78.9	80.1	81.0	81.8	82.7	82.7	83.3	84.0	84.8	85.5	86.3			82.4	12.5	13.5
1981	87.0	87.9	88.5	89.1	89.8	90.6	91.6	92.3	93.2	93.4	93.7	94.0			90.9	8.9	10.3
1982	94.3	94.6	94.5	94.9	95.8	97.0	97.5	97.7	97.9	98.2	98.0	97.6			96.5	3.8	6.2
1983	97.8	97.9	97.9	98.6	99.2	99.5	99.9	100.2	100.7	101.0	101.2	101.3			99.6	3.8	3.2
1984	101.9	102.4	102.6	103.1	103.4	103.7	104.1	104.5	105.0	105.3	105.3	105.3	102.9	104.9	103.9	3.9	4.3
1985	105.5	106.0	106.4	106.9	107.3	107.6	107.8	108.0	108.3	108.7	109.0	109.3	106.6	108.5	107.6	3.8	3.6
1986	109.6	109.3	108.8	108.6	108.9	109.5	109.5	109.7	110.2	110.3	110.4	110.5	109.1	110.1	109.6	1.1	1.9
1987	111.2	111.6	112.1	112.7	113.1	113.5	113.8	114.4	115.0	115.3	115.4	115.4	112.4	114.9	113.6	4.4	3.6
1988	115.7	116.0	116.5	117.1	117.5	118.0	118.5	119.0	119.8	120.2			116.8				

TABLE 5.5

U.S. Department of Labor
Bureau of Labor Statistics
Washington, D.C. 20212

Consumer Price Index

All Urban Consumers - (CPI-U)

U.S. city average

Telephone services

1982-84=100

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVG.	PERCENT CHANGE	
														DEC-DEC	AVG-AVG
1966			53.8			57.4			57.4			57.4	56.5	-0.2	-2.1
1967			57.3			57.3			57.4			56.7	57.3	-1.2	1.4
1968			56.9			57.3			57.4			57.7	57.3	1.8	0.0
1969	57.7	57.8	57.8	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.0	0.9	1.2
1970	57.7	57.5	58.2	58.6	58.7	58.7	58.9	58.9	59.0	59.1	59.6	59.6	58.7	2.4	1.2
1971	60.0	60.6	60.6	60.8	60.8	60.9	62.4	62.5	62.5	62.5	62.5	62.7	61.6	5.2	4.9
1972	63.3	64.4	64.4	64.5	64.6	65.1	65.2	65.3	65.6	65.8	65.8	65.9	65.0	5.1	5.5
1973	65.6	65.9	66.0	66.1	66.2	66.4	66.4	67.0	67.1	67.3	67.3	69.0	66.7	4.7	2.6
1974	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.9	69.9	69.9	69.9	69.5	1.3	4.2
1975	69.7	70.1	70.7	70.9	71.2	71.7	71.9	72.2	72.4	72.6	73.6	73.8	71.7	5.6	3.2
1976	73.3	73.4	73.8	73.8	73.9	74.0	74.0	75.0	74.9	75.0	75.3	75.3	74.3	2.0	3.6
1977	74.7	74.7	74.8	75.0	75.0	75.1	75.1	75.2	75.4	75.5	75.6	75.7	75.2	0.5	1.2
1978	75.6	75.8	75.8	76.0	76.0	76.0	76.1	76.3	76.3	76.2	76.2	76.3	76.0	0.8	1.1
1979	75.9	75.7	75.6	75.6	75.7	75.6	75.6	75.9	75.8	75.1	76.3	76.9	75.8	0.8	-0.3
1980	76.4	76.0	76.3	76.4	76.7	77.6	78.0	78.2	78.4	78.7	79.4	80.3	77.7	4.4	2.5
1981	80.8	81.5	81.6	82.1	82.5	82.2	84.3	85.4	87.3	88.4	89.1	89.8	84.6	11.8	8.9
1982	90.0	90.4	90.8	92.1	92.5	93.5	93.8	94.0	94.8	95.2	95.4	96.3	93.2	7.2	10.2
1983	98.1	98.3	98.5	98.4	98.9	99.3	99.5	99.6	99.9	99.7	100.4	99.8	99.2	3.6	6.4
1984	105.0	107.0	106.4	106.7	106.9	107.1	107.7	107.9	108.7	108.8	109.4	109.0	107.5	9.2	8.4
1985	109.3	108.3	109.5	109.4	109.6	112.1	112.9	113.6	113.7	113.8	114.2	114.1	111.7	4.7	3.9
1986	114.6	114.8	115.3	116.5	116.5	118.7	118.7	118.8	118.3	118.9	117.6	117.2	117.2	2.7	4.9
1987	116.6	116.4	116.4	116.7	116.4	115.6	116.7	117.1	116.6	117.0	116.9	115.7	116.5	-1.3	-0.6
1988	115.8	116.6	116.2	116.6	116.6	115.8	115.8	114.8	115.6	115.8					

TABLE 5.5

11/22/88

U.S. Department of Labor
Bureau of Labor Statistics
Washington, D.C. 20212

Consumer Price Index

All Urban Consumers - (CPI-U)

U.S. city average

Telephone, local charges

1982-84=100

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVG.	PERCENT CHANGE	
														DEC-DEC	AVG-AVG
1977												69.2			
1978	69.2	69.8	69.7	70.0	69.9	69.9	70.1	70.4	70.5	70.1	70.2	70.2	70.0	1.4	
1979	69.6	69.5	69.4	69.4	69.6	69.2	69.2	69.5	69.4	68.3	70.4	71.4	69.6	1.7	-0.6
1980	71.0	71.0	71.4	71.6	72.1	72.8	72.9	72.9	73.3	73.7	74.9	76.4	72.8	7.0	4.6
1981	77.2	78.5	78.6	79.4	79.9	79.5	80.7	81.1	83.3	84.0	85.4	86.0	81.1	12.6	11.4
1982	85.8	86.7	86.9	88.5	89.2	90.7	91.2	91.6	92.9	93.5	93.6	95.3	90.5	10.8	11.6
1983	97.2	96.8	97.0	96.8	97.5	98.1	98.1	98.3	98.6	98.3	99.5	98.3	97.9	3.1	8.2
1984	106.7	110.0	109.1	109.1	109.5	110.7	112.3	112.9	114.3	114.5	115.4	115.2	111.6	17.2	14.0
1985	115.6	113.8	116.0	115.8	116.0	121.3	123.0	123.9	124.2	124.3	125.2	125.5	120.4	8.9	7.9
1986	126.2	126.4	127.2	129.5	129.5	135.6	137.0	137.2	136.5	137.5	135.1	134.4	132.7	7.1	10.2
1987	137.6	137.5	137.4	138.2	138.1	137.5	141.0	141.9	140.9	141.3	141.4	138.9	139.3	3.3	5.0
1988	139.9	141.6	141.1	142.0	142.0	140.8	141.4	139.4	140.6	141.1					

TABLE 5.5

11/22/88

U.S. Department of Labor
Bureau of Labor Statistics
Washington, D.C. 20212

Consumer Price Index

All Urban Consumers - (CPI-U)

U.S. city average

Telephone, interstate toll calls

1982-84=100

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVG.	PERCENT CHANGE	
														DEC-DEC	AVG-AVG
1977													83.4		
1978	82.9	82.7	82.8	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.7	-0.7	
1979	82.3	82.1	82.0	82.0	82.0	82.1	82.1	82.2	82.1	82.1	82.1	82.1	82.1	-0.8	-0.7
1980	81.5	81.2	81.2	81.2	81.2	83.0	84.8	85.0	85.2	85.2	84.8	84.9	83.3	3.4	1.5
1981	84.9	84.9	84.9	84.9	84.9	84.9	91.0	94.6	95.8	97.3	97.3	97.3	90.3	14.6	8.4
1982	97.4	97.3	98.2	100.0	100.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.4	2.7	10.1
1983	100.9	101.6	101.6	101.6	101.6	101.6	101.7	101.7	101.7	101.4	101.4	101.3	101.5	1.4	2.1
1984	101.3	102.1	102.1	102.0	102.3	98.9	96.9	96.8	96.8	97.0	96.9	96.9	99.2	-4.3	-2.3
1985	96.9	96.9	96.9	96.9	97.4	94.7	93.1	93.3	93.3	93.3	93.3	93.3	94.9	-3.7	-4.3
1986	93.3	93.3	93.3	93.3	93.3	88.0	84.7	84.4	84.4	84.4	84.4	84.5	88.4	-9.4	-6.8
1987	77.1	77.1	77.1	77.0	76.7	76.7	73.4	73.4	73.7	73.7	73.7	74.0	75.3	-12.4	-14.8
1988	72.2	72.2	72.0	72.1	72.1	72.1	72.1	72.1	73.1	73.1					

TABLE 5.5

11/22/88

U.S. Department of Labor
Bureau of Labor Statistics
Washington, D.C. 20212

Consumer Price Index

All Urban Consumers - (CPI-U)

U.S. city average

Telephone, intrastate toll calls

1982-84=100

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVG.	PERCENT CHANGE	
														DEC-DEC	AVG-AVG
1977												85.4			
1978	85.5	84.9	85.1	85.6	85.5	85.5	85.5	85.6	85.7	85.6	85.6	86.5	85.5	1.3	
1979	86.1	86.0	86.0	86.0	86.0	86.4	86.5	86.6	86.6	86.8	86.6	86.6	86.4	0.1	1.1
1980	86.1	84.3	84.3	84.5	84.9	85.0	84.9	85.3	85.5	85.5	85.9	86.1	85.2	-0.6	-1.4
1981	86.2	86.4	86.4	86.6	86.8	86.6	86.6	86.9	88.7	90.1	89.9	91.4	87.8	6.2	3.1
1982	93.2	93.1	93.1	93.0	93.3	93.7	93.9	93.9	94.0	94.2	94.8	95.2	93.8	4.2	6.8
1983	97.3	98.9	99.3	99.5	100.0	100.2	100.9	101.0	101.2	101.6	102.3	102.2	100.4	7.4	7.0
1984	104.2	104.2	104.1	105.6	105.1	106.5	107.5	106.6	106.5	106.5	107.1	105.9	105.9	3.6	5.5
1985	105.9	105.8	106.1	106.0	105.8	106.2	107.5	107.8	107.8	108.0	107.9	106.5	106.8	0.6	0.8
1986	106.7	107.0	107.1	106.8	106.9	106.7	106.7	107.0	106.5	106.8	106.5	106.8	106.8	0.3	0.0
1987	107.0	106.4	106.4	106.3	105.2	102.7	104.0	103.8	103.5	104.1	103.6	103.6	104.7	-3.0	-2.0
1988	104.1	103.6	103.2	102.9	102.8	102.3	100.3	100.3	100.0	99.4					

TABLE 5.6

Price indexes for selected telephone services, January 1972-October 1988
(1972 = 100)

4811-1	Local service												
	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	98.1	99.1	99.1	99.7	100.6	100.8	100.8	99.6	100.5	100.5	100.5	100.5
1973	102.7	100.8	101.3	101.5	101.9	101.9	101.9	101.9	102.9	102.9	104.8	104.8	105.9
1974	108.4	107.4	107.7	107.7	107.7	107.7	107.7	107.7	109.2	109.2	109.6	109.6	109.6
1975	112.8	109.8	111.4	111.6	111.6	111.9	112.0	112.8	113.1	114.1	114.1	115.4	115.4
1976	118.4	117.0	117.7	117.7	117.9	118.3	118.9	118.8	118.9	118.9	118.9	119.1	119.1
1977	118.5	119.1	117.6	118.2	118.4	118.4	118.5	118.4	118.4	118.4	118.4	119.1	119.5
1978	121.9	120.2	120.9	120.9	120.9	120.9	120.9	120.9	122.0	123.7	123.7	123.7	124.3
1979	123.8	124.3	123.9	123.0	123.0	123.0	123.0	123.0	123.3	123.9	124.4	124.4	126.1
1980	127.5	125.3	125.4	125.4	126.0	126.2	126.2	126.2	126.2	127.2	130.4	132.5	133.0
1981	141.2	133.4	135.3	135.6	136.3	138.0	138.0	141.5	142.6	144.3	146.9	151.0	151.0
1982	154.6	149.5	149.5	149.5	151.2	152.3	153.3	153.3	153.7	158.8	160.4	160.9	162.3
1983	163.7	162.6	162.9	163.4	163.1	162.6	163.3	163.8	163.9	164.3	164.7	164.8	164.8
1984	179.5	171.2	171.2	171.2	171.9	172.1	177.9	182.2	185.7	187.6	187.7	187.5	187.6
1985	197.4	188.9	190.7	190.6	190.6	191.0	200.6	200.8	201.6	202.2	202.3	204.8	204.8
1986	212.7	206.5	206.7	206.7	206.7	206.7	216.6	216.6	216.9	217.5	217.5	216.8	216.8
1987	218.0	216.7	216.6	216.8	216.1	216.1	216.1	220.1	219.9	219.3	219.3	219.3	219.3
1988		218.7	218.2	218.4	218.4	218.4	218.4	217.9	218.1	218.2	219.4		

4811-111	Local service, residential												
	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	97.7	98.9	98.9	99.5	100.7	100.9	100.9	99.7	100.7	100.7	100.7	100.7
1973	102.9	101.0	101.5	101.6	102.0	102.0	102.0	102.0	103.0	103.0	105.2	105.2	106.7
1974	108.8	108.1	108.3	108.3	108.3	108.3	108.3	108.3	109.4	109.3	109.7	109.7	109.7
1975	113.3	109.9	112.0	112.2	112.2	112.4	112.5	113.4	113.6	114.8	114.8	116.2	116.2
1976	118.9	118.0	118.0	118.0	118.2	118.6	119.2	119.2	119.3	119.3	119.3	119.6	119.6
1977	119.3	119.6	118.3	119.0	119.3	119.3	119.3	119.1	119.1	119.1	119.1	120.1	120.5
1978	122.1	120.2	121.0	121.0	121.0	121.0	121.0	121.0	122.2	124.2	124.2	124.2	124.2
1979	123.4	124.0	123.6	122.5	122.5	122.5	122.5	122.5	122.8	123.5	124.0	124.0	126.2
1980	128.0	125.3	125.3	125.4	125.9	126.3	126.3	126.3	126.3	127.4	131.6	134.5	135.1
1981	144.1	135.6	137.0	137.3	138.2	140.0	140.0	144.5	145.1	147.4	151.2	156.2	156.2
1982	160.6	154.9	154.9	154.9	156.7	157.3	158.4	158.4	159.0	165.8	167.8	168.4	170.2
1983	169.6	168.7	169.0	169.5	169.2	168.4	169.1	169.6	169.7	170.2	170.5	170.6	170.6
1984	182.4	177.8	177.8	177.7	177.7	178.1	178.6	181.4	186.0	188.7	188.7	188.3	188.4
1985	202.6	189.8	191.9	191.9	191.9	192.3	208.8	209.2	210.4	211.0	211.0	211.7	211.7
1986	223.6	213.4	213.6	213.6	213.6	213.6	230.3	230.3	230.8	231.3	231.3	230.5	230.5
1987	233.1	230.1	230.0	230.3	229.2	229.2	229.2	236.6	236.6	236.6	236.6	236.6	236.6
1988		236.1	235.5	235.7	235.7	235.7	235.7	235.1	235.3	235.3	235.6		

TABLE 5.6

4811-112	Local service, business												
	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	97.8	98.7	98.7	99.8	100.7	100.8	100.8	99.3	100.8	100.9	100.9	100.9
1973	104.0	101.2	102.0	102.6	103.4	103.4	103.4	103.4	104.2	104.3	106.5	106.5	107.3
1974	111.1	109.2	109.8	109.8	109.8	109.8	109.8	109.9	112.2	112.4	113.4	113.4	113.4
1975	117.1	113.6	115.2	115.3	115.3	115.6	115.9	117.3	117.8	119.1	119.1	120.4	120.5
1976	123.9	122.9	122.9	122.9	123.4	123.8	124.3	124.3	124.4	124.4	124.4	124.5	124.5
1977	122.4	124.5	121.0	121.9	122.1	122.1	122.2	122.1	122.1	122.1	122.1	122.9	123.4
1978	126.0	123.4	124.5	124.5	124.5	124.5	124.5	124.5	126.2	128.8	128.8	128.8	128.8
1979	128.5	128.8	128.2	127.5	127.5	127.5	127.5	127.5	127.8	128.8	129.5	129.5	131.6
1980	132.9	130.4	130.4	130.5	130.9	131.3	131.3	131.3	131.4	133.0	136.7	138.2	139.2
1981	148.8	139.6	141.4	141.6	142.8	144.1	144.1	148.6	152.2	153.8	155.4	161.0	161.0
1982	162.7	157.7	157.7	157.7	159.7	160.1	161.4	161.4	162.0	167.2	168.4	169.0	170.3
1983	172.7	170.8	171.2	172.2	172.0	171.5	172.3	173.1	173.2	173.6	174.0	174.1	174.1
1984	200.4	180.3	180.3	180.5	183.7	183.7	208.1	211.0	213.7	215.8	215.9	215.9	216.0
1985	222.7	218.2	220.7	220.7	220.7	220.9	222.2	222.2	222.9	223.9	224.6	228.0	228.0
1986	232.9	230.8	231.3	231.3	231.3	231.3	234.0	234.0	234.1	234.6	234.6	233.6	233.6
1987	232.9	234.0	234.0	234.1	233.5	233.5	233.5	232.7	232.0	231.9	231.8	231.8	231.8
1988		230.7	230.5	230.7	230.7	230.9	230.9	230.1	230.4	230.6	231.0		

4811-113	Local service, optional additional usage												
	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	99.5	100.4	100.4	100.4	100.4	100.9	100.9	99.4	99.4	99.4	99.4	99.4
1973	100.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	101.0	101.0	101.1	101.1	101.1
1974	104.6	103.3	103.6	103.6	103.6	103.6	103.6	103.6	106.0	106.0	106.0	106.0	106.0
1975	107.5	106.1	106.1	107.4	107.4	107.4	107.4	107.5	107.5	107.9	107.9	109.0	109.0
1976	110.3	109.0	109.4	109.4	109.4	110.2	110.8	110.8	110.8	110.8	110.8	110.8	110.9
1977	111.0	110.9	110.9	110.9	110.9	110.9	111.1	111.1	111.1	111.1	111.1	111.1	111.2
1978	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.7	117.7	117.7	117.7
1979	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
1980	118.2	117.7	117.7	117.7	119.4	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3
1981	123.2	118.5	123.1	123.1	123.1	123.8	123.8	123.8	123.8	123.8	123.8	124.1	124.1
1982	124.6	124.1	124.1	124.1	124.1	124.2	124.2	124.2	124.2	124.2	125.6	125.9	125.9
1983	126.2	125.9	125.9	125.9	125.7	125.7	126.2	126.2	126.2	126.2	127.0	127.0	127.0
1984	123.4	124.3	124.3	124.3	124.3	124.3	124.3	122.5	122.5	122.5	122.5	122.5	122.5
1985	123.8	122.5	122.5	122.5	122.5	122.5	122.5	122.5	122.5	122.5	122.5	130.2	130.2
1986	130.7	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	131.5	131.5	131.5	131.5
1987	130.3	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	127.8	127.8	127.8	127.7
1988		127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7		

TABLE 5.6

4811-114	Local service, coin												
	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.1	100.1	100.1	100.1
1973	101.2	100.1	100.1	100.1	100.1	100.1	100.1	100.1	101.5	101.5	103.4	103.4	103.7
1974	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.9	103.9	103.9	103.9	103.9
1975	104.3	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	104.6	104.9	105.2	105.2
1976	113.9	105.7	114.6	114.6	114.6	114.6	114.6	114.6	114.7	114.7	114.7	114.7	114.7
1977	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.8	114.9
1978	116.2	115.0	115.0	115.4	115.4	115.4	115.4	115.4	115.5	115.6	115.6	115.6	124.7
1979	124.3	124.7	124.5	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.3	124.5
1980	124.6	124.5	124.5	124.5	124.5	124.5	124.5	124.5	124.5	124.8	124.8	124.8	125.1
1981	128.2	125.1	125.3	125.9	126.0	129.1	129.1	129.1	129.3	129.5	130.0	130.0	130.0
1982	139.4	130.0	130.0	130.0	132.8	143.2	143.6	143.6	143.1	144.0	144.0	144.0	144.0
1983	162.6	161.0	161.0	161.0	160.9	161.8	162.9	163.2	163.2	163.4	164.3	164.5	164.5
1984	205.8	184.2	184.2	184.4	184.6	184.6	189.0	222.3	227.2	227.2	227.2	227.5	227.5
1985	230.6	228.2	228.9	228.9	228.9	230.5	230.7	230.7	230.8	231.2	231.3	233.8	233.8
1986	234.6	234.3	234.3	234.3	234.3	234.3	234.6	234.6	234.7	234.9	234.9	234.9	234.9
1987	234.7	235.0	234.9	234.9	234.9	234.9	234.9	234.9	234.6	234.5	234.5	234.5	234.5
1988		234.2	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	245.7		

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4811-2	Toll service												
	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	98.7	99.3	99.3	99.3	99.8	100.2	100.2	100.5	100.7	100.7	100.7	100.7
1973	102.9	100.7	102.4	102.5	102.5	102.5	102.5	102.5	103.4	103.4	103.8	103.8	104.3
1974	104.7	104.6	104.6	104.6	104.6	104.6	104.5	104.4	104.4	104.4	105.1	105.1	105.1
1975	111.6	105.4	105.4	111.6	111.6	111.6	111.6	112.3	113.1	113.1	113.5	114.7	114.8
1976	120.2	115.4	115.6	119.6	119.6	120.4	120.8	120.8	122.0	122.0	122.0	122.0	122.0
1977	123.5	123.3	123.1	123.1	123.2	123.2	123.3	123.1	123.1	124.2	124.3	124.3	124.3
1978	124.2	124.3	124.2	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	123.8	123.9
1979	123.2	123.3	123.2	123.2	123.3	123.2	123.1	123.1	123.1	123.1	123.4	123.3	123.3
1980	125.9	123.4	123.2	123.2	123.4	123.6	127.5	127.5	127.5	127.5	127.9	128.3	128.3
1981	134.8	129.1	129.0	129.0	129.0	128.7	128.7	139.2	139.2	141.0	141.3	141.3	142.1
1982	145.9	143.1	143.1	143.1	146.4	146.4	146.7	146.7	146.8	146.8	147.1	147.1	147.5
1983	149.3	148.8	148.8	149.0	148.9	149.0	149.3	149.4	149.4	149.4	149.8	149.8	149.8
1984	148.5	150.7	150.6	150.7	150.8	150.5	146.2	146.6	147.1	147.3	147.3	146.8	147.4
1985	147.2	147.6	147.7	147.7	148.1	149.9	146.3	146.3	146.6	146.5	146.5	146.7	146.2
1986	139.8	146.2	146.2	146.2	144.1	144.1	135.9	135.9	135.8	135.8	136.0	136.0	136.0
1987	126.8	128.8	128.5	128.5	128.4	128.1	128.0	125.4	125.4	124.9	124.9	125.2	125.2
1988		123.5	123.1	123.1	123.1	123.1	123.0	121.3	121.7	121.5	121.5		

TABLE 5.6

4811-213	Toll service, international MTS												
	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	99.4
1973	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1974	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1975	98.7	99.4	99.4	99.4	99.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1976	100.0	98.3	98.3	99.0	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5
1977	99.6	100.5	100.5	100.5	100.5	100.5	100.5	98.7	98.7	98.7	98.7	98.7	98.7
1978	94.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	84.0	84.0
1979	85.5	84.0	84.0	84.0	84.0	83.3	83.3	83.3	82.7	82.7	91.4	91.4	91.4
1980	94.0	90.9	90.9	90.9	90.9	90.9	96.6	96.2	96.2	96.2	96.2	96.2	96.2
1981	89.4	96.2	95.2	95.2	95.2	95.2	95.2	83.5	83.5	83.5	83.5	83.5	83.5
1982	88.5	83.5	83.5	83.5	83.5	83.5	91.4	91.4	92.3	92.3	92.3	92.3	92.3
1983	92.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.7	92.7	92.7
1984	89.2	92.7	92.5	92.5	92.5	92.5	87.3	86.8	86.8	86.8	86.8	86.8	86.8
1985	86.6	86.8	86.8	86.8	86.8	86.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1986	84.2	84.2	84.2	84.2	84.3	84.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1
1987	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.0	84.0	84.0	84.0	83.8	83.8
1988		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8		

4811-214	Toll service, WATS												
	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.3	100.3	100.3	100.3	100.0
1973	101.8	100.1	100.1	101.5	101.5	101.5	101.5	101.5	102.6	102.6	102.6	102.8	103.5
1974	103.1	103.7	103.7	103.7	103.7	103.7	103.7	102.5	102.5	102.7	102.6	102.6	102.6
1975	105.3	102.7	102.7	104.5	105.2	105.2	105.2	105.2	105.5	106.4	106.4	106.8	108.0
1976	109.8	108.0	108.0	109.6	109.6	109.6	109.6	109.6	110.8	110.8	110.8	110.8	110.8
1977	111.6	111.1	111.3	111.3	111.4	111.4	111.4	111.4	111.6	111.6	112.3	112.3	112.4
1978	112.9	112.4	112.4	113.0	112.7	112.7	112.7	113.2	113.2	113.2	113.2	113.2	113.2
1979	113.8	113.2	113.2	113.2	113.6	113.6	113.6	113.6	114.3	114.3	114.3	114.3	114.4
1980	116.9	114.4	114.4	114.4	114.6	114.6	118.4	118.4	118.4	118.4	118.8	118.8	118.8
1981	124.9	120.2	120.2	120.2	120.2	120.5	120.5	128.9	128.9	129.8	129.8	129.8	129.9
1982	132.5	129.9	129.9	129.9	133.5	133.4	133.4	133.4	133.5	133.5	133.1	133.1	133.1
1983	132.9	131.8	131.8	131.8	131.8	132.4	132.7	133.7	133.7	133.7	133.7	133.7	133.7
1984	129.6	132.2	132.2	132.7	132.6	132.8	127.2	127.6	127.5	127.5	127.6	127.6	127.8
1985	125.3	127.6	127.6	127.8	127.8	128.2	123.5	123.5	123.5	123.7	123.6	123.5	123.3
1986	118.4	124.2	124.2	124.2	124.4	124.9	115.4	115.3	114.2	113.8	113.8	113.7	113.3
1987	110.5	111.0	110.9	110.9	110.9	110.9	110.3	110.3	110.1	110.1	110.1	110.1	110.1
1988		106.3	105.8	105.8	104.8	104.9	104.7	104.7	104.0	103.3	103.3		

TABLE 5.6

4811-214-11 Toll service, interstate WATS

	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1973	101.7	100.0	100.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0
1974	101.1	102.0	102.0	102.0	102.0	102.0	102.0	100.3	100.3	100.3	100.3	100.3	100.3
1975	102.5	100.3	100.3	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9
1976	104.7	102.9	102.9	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1
1977	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1
1978	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1
1979	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1
1980	108.2	105.1	105.1	105.1	105.1	105.1	110.5	110.5	110.5	110.5	110.5	110.5	110.5
1981	116.3	110.5	110.5	110.5	110.5	110.5	110.5	122.1	122.1	122.1	122.1	122.1	122.1
1982	125.8	122.1	122.1	122.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1
1983	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1
1984	122.7	127.1	127.1	127.1	127.1	127.1	119.6	119.6	119.6	119.6	119.6	119.6	119.6
1985	115.8	119.6	119.6	119.6	119.6	119.6	113.1	113.1	113.1	113.1	113.1	113.1	113.1
1986	105.9	113.1	113.1	113.1	113.1	113.9	100.8	100.6	100.6	100.6	100.6	100.6	100.6
1987	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1988		93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1		

4811-214-12 Toll service, intrastate WATS

	Avg.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1972	100.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	101.3	101.3	101.3	101.3	100.1
1973	102.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	104.0	104.0	104.0	104.9	107.6
1974	108.4	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	109.1	108.8	108.8	108.8
1975	112.8	108.8	108.8	108.5	111.2	111.2	111.2	111.2	112.4	115.7	115.7	117.0	121.6
1976	123.4	121.6	121.6	121.6	121.6	121.6	121.6	121.6	126.0	126.0	126.0	126.0	126.0
1977	128.8	126.7	127.5	127.5	127.9	127.9	127.9	127.9	128.8	128.8	131.4	131.4	131.7
1978	133.6	131.7	131.5	133.8	132.7	132.7	132.7	134.4	134.7	134.7	134.7	134.7	134.7
1979	136.8	134.7	134.7	134.7	136.0	136.0	136.0	136.0	138.5	138.5	138.5	138.5	139.0
1980	139.6	139.0	138.8	138.8	139.7	139.7	139.3	139.3	139.3	139.3	140.7	140.7	140.7
1981	147.6	145.9	145.8	145.8	145.8	146.9	146.9	146.9	146.9	150.1	150.1	150.1	150.5
1982	149.9	150.5	150.5	150.5	150.5	149.9	149.9	149.9	150.4	150.4	148.9	148.9	148.9
1983	148.2	144.1	144.3	144.3	144.3	146.3	147.6	151.2	151.2	151.2	151.2	151.2	151.1
1984	147.8	145.6	145.9	147.3	147.1	147.8	147.4	148.8	148.5	148.5	148.7	148.7	149.6
1985	150.4	148.8	148.8	149.7	149.5	150.9	151.0	151.0	151.0	151.6	151.3	150.9	150.3
1986	151.7	153.6	153.6	153.6	154.2	154.1	154.3	154.3	150.2	148.9	148.7	148.6	146.9
1987	144.9	146.9	146.4	146.4	146.4	146.4	144.2	144.1	143.7	143.6	143.4	143.4	143.4
1988		141.1	139.5	139.5	135.9	136.2	135.3	135.3	132.8	130.1	130.1		

INFORMATION ON RATE LEVELS:

This section describes the level of local and long distance rates and access charges in dollar terms.

Local Rates

Local rates are regulated by state regulatory agencies and vary greatly from area to area. Characterization of any rate as "typical" is therefore difficult. In most states, the Bell Operating Companies and larger independent telephone companies charge higher rates in metropolitan areas than in rural areas -- a pricing practice that dates back to the turn of the century and is traditionally justified by the belief that the value of the service provided is higher for subscribers with more populous local calling areas. This also reflects the fact that the operating companies forego toll revenue when exchange calling areas increase in size. California differs from most states in that rates are averaged throughout the state. There, the basic local rate is \$8.25 for areas served by Pacific Bell and \$9.75 for areas served by General of California.

Table 5.7 presents average local residential rates in October 1986, April 1987, October 1987 and April 1988. The price indexes published by the BLS indicate percentage changes in the price of the telephone services. The BLS does not publish the actual level of rates. The averages shown in Table 5.7 are based on a FCC survey using the same sampling areas and weights used by the Bureau of Labor Statistics (BLS) in constructing the Consumer Price Index. In April 1988, the national average for flat rate residential service was \$12.22 monthly. In April 1987 this average rate was \$12.51, and in October 1987 this average rate was \$12.19. Lower-priced service alternatives are frequently available, at an average monthly charge of \$5.69. ²

2 The methodology used in conducting the survey is contained in the Primer and Sourcebook on Telephone Price Indexes and Rate Levels. The city specific data from the October 1986 survey is contained in Appendix 6 of the Primer. The city specific data from the April 1987 survey is contained in Local Rates Update, Mimeo No. 4768, released September 14, 1987. The city specific data from the October 1987 survey is contained in Telephone Rates Update, released December 8, 1987. Comparisons made in that report show that changes in the survey averages are roughly consistent with changes in the CPI and PPI local residential service indexes when adjustments are made for different sample definitions.

Table 5.7
Average Monthly Residential Telephone Rates*

	October 1986	April 1987	October 1987	April 1988
Unlimited Local Calling	\$12.55	\$12.51	\$12.41	\$12.22
Subscriber Line Charges	2.07	2.08	2.69	2.67
Taxes	<u>1.51</u>	<u>1.50</u>	<u>1.56</u>	<u>1.73</u>
Total	16.14	16.09	16.66	16.62
Lowest Generally				
Available Monthly Rate	\$ 6.00	\$ 6.08	\$ 6.11	\$ 5.69
Subscriber Line Charges **	2.07	2.08	2.69	2.67
Taxes	<u>.80</u>	<u>.81</u>	<u>.92</u>	<u>1.00</u>
Total	8.87	8.97	9.72	9.36
Minimum Connection Charge	\$45.63	\$45.12	\$43.59	\$42.81
Taxes	<u>n.a</u>	<u>2.50</u>	<u>2.66</u>	<u>2.54</u>
Total	n.a	47.62	46.25	45.35

- * Monthly rates and connection charges do not include lifeline rates.
 ** Includes both interstate and intrastate charges.

The local rate averages shown in Table 5.7 are based on rates that are available to all customers. Many states have programs that subsidize monthly service charges or connection fees paid by needy households. These programs are further described in Section 2 above. Most of these programs are part of the FCC sponsored Lifeline and Link Up programs. The most recent local rate survey, reflecting data as of April 15, 1988, indicated that assistance for monthly service charges was offered in 48 of the 95 sample cities, representing 52% of urban consumers. Connection assistance was offered in 56 of the 95 sample cities representing 59% of urban consumers. Approved Link Up programs covered 3 additional cities, but had not been implemented as of April 15, 1988.

In the 48 cities where lifeline-type services were available, data were collected for the subsidized monthly rate for the service most similar to a private rotary line with unlimited local calling. In cities where the only subsidized service was a measured or message rate service, the charge includes 100 five minute day time calls. The average cost was \$11.01 for subsidized monthly service, including \$.31 for subscriber line charges and \$1.30 for tax. The average cost for comparable non-subsidized service was \$17.22 (including taxes and subscriber line charges) in those 48 cities. Thus, Lifeline and similar assistance programs provide an average benefit of \$6 per month.

Data also were collected for subsidized connection charges. The average subsidized connection cost was \$21.89, including \$1.42 tax, in the 56 cities where subsidized connection was available. The average charge for non-subsidized connection was \$46.67 in these cities. Thus, Link Up and similar connection assistance programs reduce connection costs by an average of \$24.

Long Distance Rates

Table 5.8 compares the prices of interstate long distance calls in all mileage bands and rate periods based on AT&T's tariffed rates in effect during January 1984 and December 1988. These rates are the basic message toll service rates and do not reflect discounts available in special calling plans. They also do not reflect any taxes or surcharges imposed by some states. During this period, AT&T's per minute charges for directly dialed interstate calls have been reduced about 38% for the average residential customer. This presentation of interstate toll levels was requested by the D.C. Public Service Commission.

Table 5.8
Changes in the Price of Directly Dialed Long Distance Calls
(AT&T Interstate Rates)

Calling Distance (in miles)		Five minute calls			Ten minute calls		
		Jan. 1984	Dec. 1988	Percentage change	Jan. 1984	Dec. 1988	Percentage change
1 - 10	Day	\$0.96	\$0.77	-19.8%	\$1.76	\$1.47	-16.5%
	Evening	0.57	0.50	-12.3	1.05	0.95	- 9.5
	Night	0.38	0.38	0.0	0.70	0.73	4.3
11 - 22	Day	1.28	0.93	-27.3	2.38	1.78	-25.2
	Evening	0.76	0.60	-21.1	1.42	1.15	-19.0
	Night	0.51	0.46	- 9.8	0.95	0.89	- 6.3
23 - 55	Day	1.60	1.03	-35.6	3.00	1.98	-34.0
	Evening	0.96	0.66	-31.2	1.80	1.28	-28.9
	Night	0.64	0.51	-20.3	1.20	0.99	-17.5
56 - 124	Day	2.05	1.11	-45.9	3.90	2.16	-44.6
	Evening	1.22	0.72	-41.0	2.34	1.40	-40.2
	Night	0.82	0.55	-32.9	1.56	1.08	-30.8
125 - 292	Day	2.14	1.19	-44.4	4.09	2.34	-42.8
	Evening	1.28	0.77	-39.8	2.45	1.52	-38.0
	Night	0.85	0.59	-30.6	1.63	1.17	-28.2
293 - 430	Day	2.27	1.23	-45.8	4.37	2.43	-44.4
	Evening	1.36	0.79	-41.9	2.62	1.57	-40.1
	Night	0.90	0.61	-32.2	1.74	1.21	-30.5
431 - 925	Day	2.34	1.34	-42.7	4.49	2.64	-41.2
	Evening	1.40	0.87	-37.9	2.69	1.71	-36.4
	Night	0.93	0.67	-28.0	1.79	1.32	-26.3
926 - 1910	Day	2.40	1.34	-44.2	4.60	2.64	-42.6
	Evening	1.44	0.87	-39.6	2.75	1.71	-37.8
	Night	0.96	0.67	-30.2	1.84	1.32	-28.3
1911 - 3000	Day	2.70	1.40	-48.1	5.15	2.75	-46.6
	Evening	1.62	0.91	-43.8	3.09	1.78	-42.4
	Night	1.08	0.70	-35.2	2.06	1.37	-33.5
3001 - 4250	Day	2.80	1.63	-41.8	5.35	3.18	-40.6
	Evening	1.68	1.05	-37.5	3.21	2.06	-35.8
	Night	1.12	0.81	-27.7	2.14	1.59	-25.7

4251 - 5750	Day	2.91	1.73	-40.5	5.56	3.38	-39.2
	Evening	1.74	1.12	-35.6	3.33	2.19	-34.2
	Night	1.16	0.86	-25.9	2.22	1.69	-23.9

Subscriber Line and Access Charges

Monthly interstate subscriber line charges (or "end user" charges) were first imposed on multiline business customers in 1984 and were charged to residential customers beginning in 1985. Table 5.9 presents the level of these charges over time.

Table 5.9

Interstate Subscriber Line Charges
by Local Telephone Companies to End Users
(In Dollars per Month per Line)

	Residential and Single Line Business *	Multiline Business **	Centrex***
5/26/84 to 5/31/85	\$0.00	\$4.99	\$2.00
6/1/85 to 9/30/85	1.00	4.99	2.00
10/1/85 to 5/31/86	1.00	4.97	2.00
6/1/86 to 12/31/86	2.00	4.97	3.00
1/1/87 to 6/30/87	2.00	5.12	3.00
7/1/87 to 11/30/88	2.60	5.12	4.00
12/1/88 to Present	3.20	5.12	5.00

* The monthly subscriber line charge for residential and single line business customers is capped at a maximum rate of \$3.20 monthly. Local companies are not permitted to charge the full amount unless justified by their underlying costs. As a result, some companies may not charge the full \$3.20

** The monthly subscriber line charge for multiline business customers is capped at a maximum rate of \$6.00 monthly. Local companies are not permitted to charge the full amount unless justified by their underlying costs. As a result, some companies do not charge the full \$6.00. This column represents a national average calculated by NECA.

*** These rates represent the maximum charge applied to "embedded" centrex lines - that is, centrex lines in place or on order as of July 27, 1983. Customers with new centrex lines pay the multiline business subscriber line charge. Again, not all companies charge the maximum rate.

Access charges by local telephone companies to long distance carriers are an important component of the overall cost of providing long distance service. Changes in the average level of these charges are shown in Table 5.10.

Table 5.10

Interstate Charges by Local Telephone Companies to Long Distance Carriers
(National Average for "Premium" Service in Cents per Minute)

	Carrier Common Line Charge Per Originating Access Minute <u>1/</u>	Carrier Common Line Charge Per Terminating Access Minute <u>1/</u>	Total Traffic Sensitive Charge Per Access Minute <u>2/</u>	Total Charges Per Conversation Minute <u>3/</u>
5/26/84 to 12/31/84	5.24	5.24	3.1	17.3
1/1/85 to 5/31/85	5.43	5.43	3.1	17.7
6/1/85 to 9/30/85	4.71	4.71	3.1	16.2
10/1/85 to 5/31/86	4.33	4.33	3.1	15.4
6/1/86 to 12/31/86	3.04	4.33	3.1	14.0
1/1/87 to 6/30/87	1.55	4.33	3.1	12.4
7/1/87 to 12/31/87	0.69	4.33	3.1	11.5
1/1/88 to 11/30/88	0.00	4.14	3.1	10.6
12/1/88 to Present	0.00	3.39	3.1	9.8

1/ These are nationally uniform "premium" rates specified in tariffs filed by the National Exchange Carrier Association (NECA). Where equal access is not available, carriers other than AT&T pay discounted "non-premium" rates.

2/ Traffic sensitive switched access rates are not subject to mandatory pooling and are thus not nationally uniform. The rate shown in this column has been estimated by the FCC staff as a weighted average that includes both switching and transport charges.

3/ Long distance carriers are billed originating access charges for the time that the local network is tied up with calls that are not completed and for the time involved in setting up calls. As a result, the number of originating access minutes exceeds the number of conversation minutes. Using the ratio of access minutes to conversation minutes presented by AT&T for its domestic interstate service, the charges in this column have been calculated as follows: 107% of the originating carrier common line rate + 100% of the terminating carrier common line rate + 107% of the traffic sensitive rate (for originating access) + 100% of the traffic sensitive access rate (for terminating access).

STATE TELEPHONE RATE CASES:

The actions of state regulatory commissions provide important indicators of future local and state toll rate levels. Rate cases completed by the state commissions tend to result in immediate rate changes. At the same time, the amount of rate relief requested by local telephone companies, but not yet acted upon by state commissions, provides an indication of future rate changes.

At the time of divestiture, rate cases pending before state public utility commissions totaled nearly \$7 billion. During the first half of 1984, state commissions completed action on a number of extraordinarily large rate cases. After the first half of 1984, however, the level of activity in state cases diminished substantially. At the end of September 1988, the amount of rate increases requested and pending before state commissions totaled only about \$380 million. During 1987 and the first part of 1988, the dollar amount of rate reductions and refunds ordered by state commissions exceeded the dollar amount of rate increases authorized. Since it typically takes more than a year for a rate case to be completed, the low level of pending cases -- viewed in conjunction with the recent reductions ordered by state commissions -- should indicate a low level of state and local increases during at least the next year. The data on state rate cases are shown in Table 5.11.

The information in Table 5.11 reflects data we have received from the Bell Operating Companies, Contel, GTE, and United Telephone on pending state rate cases. In addition to this, we also include information from smaller companies which is submitted by state utility commissions, information published by the National Regulatory Research Institute, and any additional information brought to our attention or appearing in a telecommunications publication.

TABLE 5.11

State Telephone Rate Cases
(Millions of Dollars)

	<u>Revenue</u> <u>Increases</u> <u>Requested</u> <u>During Quarter</u>	<u>Revenue</u> <u>Changes</u> <u>Ordered</u> <u>During Quarter</u>	<u>Requests</u> <u>Pending</u> <u>at End</u> <u>of Quarter</u>
1984 First quarter	\$ 627.7	\$ 1,175.6	\$ 4,851.9
Second quarter	93.7	2,054.2	1,675.6
Third quarter	2,242.9	284.5	3,387.5
Fourth quarter	<u>1,059.4</u>	<u>361.2</u>	3,672.3
Total	4,023.7	3,875.5	
1985 First quarter	976.6	246.3	3,779.0
Second quarter	172.4	314.8	3,316.3
Third quarter	108.3	286.5	2,664.2
Fourth quarter	<u>369.9</u>	<u>307.3</u>	1,437.3
Total	1,627.2	1,154.9	
1986 First quarter	155.1	58.0	766.2
Second quarter	249.9	57.9	362.0
Third quarter	230.0	173.3	315.7
Fourth quarter	<u>8.7</u>	<u>.8</u>	322.6
Total	643.7	290.0	
1987 First quarter	7.0	-33.1	67.1
Second quarter	19.4	-112.0	47.7
Third quarter	62.0	-94.0	94.0
Fourth quarter	<u>57.9</u>	<u>-279.9</u>	124.7
Total	146.3	-519.0	
1988 First quarter	46.4	-215.3	148.5
Second quarter	155.2	-226.1	301.6
Third quarter	140.7	-359.9	377.1

ADDITIONAL DATA RECEIVED

Missouri is the only state utility commission that has filed additional data since the cut off report date for the September 1988 monitoring report. Twenty-four state utility commissions had previously filed data. We have not included the data in this report because the data are voluminous. However, the data are available for research and reference in the Public Reference Room maintained by the FCC's Industry Analysis Division. A summary of the rate information that has been filed is in Table 5.12.

Table 5.12
Rate Information Provided by States

	No. of carriers for which R-1 and B-1 rates are provided*	No. of carriers for which intrastate toll rates are provided	Status for state rate cases **
Alaska	16	1	x
Arkansas	28	17	x
California	22	3	x
Colorado	31	3	x
District of Col.	1	N/A	x
Florida	14	1	x
Idaho	21	1	x
Indiana	42	4	x
Iowa	152	10	x
Maine	20	1	x
Massachusetts	1	1	
Michigan	45	3	
Minnesota	4	24	x
Missouri	46	0	x
Nebraska	42	1	
New Jersey	3	3	x
New York	41	7	x
North Carolina	19	16	x
North Dakota	10	1	
Ohio	44	33	x
Rhode Island	1	1	x
Texas	66	2	x
Virginia	20	9	x
Washington	3	0	x
Wisconsin	100	4	x

* Most states provided tariff pages.

** x indicates information has been filed.

6. Bypass

The Regional Bell Operating Companies (RBOCs) and GTE have issued their second bypass reports. A number of these carriers have changed their methodology for estimating bypass and these changes are described in the various bypass report summaries that follow. We have attached a copy of the generic methodology of bypass analysis used by the RBOCs and GTE, as submitted by USTA. (See Appendix.) The reporting carriers claim that bypass is still a threat and increasing. The total estimated revenue lost, based on annualizing with 1988 rates, is \$3.7 billion. The estimated loss of minutes of use (MOU) is 99.7 billion minutes. In the April reports, total estimated revenues lost due to bypass were \$3.8 billion and the total MOU were estimated to be 108 billion minutes. Because the April estimates were based on a different methodology than the October estimates, the decline in the estimated total bypass is the result of the changes in the estimation method, and not an actual decline in the quantity of bypass. Two of the changes in analysis that make the second bypass report different from the first bypass report include the use of access rates specific to each operating company instead of using regional switched access rates, and using rates in effect in June 1988, instead of the higher rates in effect in December 1987. A summary of the estimated bypass loss by company is in Table 6.1. Analysis of the methods used by the companies indicates a considerable improvement in the report quality. However, there is still room for further improvement. In particular, some commenters have suggested that information be obtained from interexchange carriers, alternate access providers, and major bypassing customers. We seek comment on the kinds of information that could be sought from these parties that would be useful and that we can reasonably expect to be voluntarily provided.

The carriers have also reported many new bypass examples. These are summarized in Table 6.2. We note that since these are just examples, the totals cannot be regarded as totals for all new bypass. The quantities shown in the table are an indication that bypass remains significant in certain locations. As several companies have noted, some types of bypass are difficult to detect until long after they occur. There may always be a reporting lag which must be accounted for in future reports. The number of reported bypass abandonments is small. These reports indicate that most of the examples of new bypass cited economic considerations as the primary reason for bypassing.

We have also received comments from the State of Colorado Public Utility Commission, Metropolitan Fiber System of Chicago, the Public Utility Commission of Texas, and the Wilton Telephone Company of New Hampshire. Some of these commenters find flaws in the current system for reporting on bypass.

Table 6.1
 Estimated Revenue Losses Due to Bypass - Annualized on 1988 Rates
 (Millions of Dollars)

Company	Facility Switched Voice (a)	Facility Private Line (b)	Total Facility (c) (a+b)	Switched Service (d)	Total Bypass Facility and Service (e) (c+d)	Percent of Total Facility (f) (c/e)	Percent of Total Service (g) (d/e)	Minutes of Use Loss Estimates (Billions)
Ameritech	370.0	142.7	512.7	351.3	864.0	59%	41%	22.1
Bell Atlantic	283.4	145.1	428.5	403.7	832.2	51%	49%	23.2
BellSouth	28.6	14.5	43.1	213.5	256.6	17%	83%	5.8
GTE	NA	NA	112.6	178.2	290.8	39%	61%	4.8
NYNEX	104.5	35.2	139.7	233.7	373.4	37%	63%	10.9
Pacific Telesis	45.4	13.9	59.3	298.2	357.5	17%	83%	8.1
Southwestern Bell	67.8	137.1	204.9	135.6	340.5	60%	40%	12.8
US West	41.3	19.8	61.1	378.6	439.7	14%	86%	12.0
Totals	NA	NA	1561.9	2192.8	3754.7	42%	58%	99.7

Table 6.2

Totals for Examples of New Bypass Since Last Report
Revenue Lost (Millions of Dollars)

Company	Facility	Service	Total
Ameritech	30.7	2.1	32.9
Bell Atlantic	33.8	2.8	36.5
BellSouth	0.7	1.3	2.0
GTE	5.7	9.4	15.1
NYNEX	0.4	0.6	1.0
Pacific Telesis	35.1	2.2	37.3
Southwestern Bell	0.3	2.2	2.5
US West	17.2	38.5	55.6
Total	123.9	59.0	182.9

Summary of Previous Reports

The first monitoring report, September 1987, emphasized the need for a uniform and periodic bypass reporting system. That monitoring report requested proposals for a bypass reporting system, and included substantial excerpts from the Common Carrier Bureau's Third Report on Bypass of the Public Switched Network (May 26, 1987).

The second monitoring report, December 1987, contained an analysis by the Joint Board staff of the comments and proposals received in response to the request made in the first report. As a result of the analysis of the proposals, the staff suggested three part bypass monitoring data forms, which were published in the December report. The periodic bypass reports would be supplied by the major carriers, the RBOCs and GTE. In order to establish a historical baseline for bypass data, the initial reports were to include all bypass experienced to date. Successive reports would only include new bypass related activity.

On December 24, 1987, the Chief of the Common Carrier Bureau sent the three-part bypass data forms to the seven RBOCs and GTE. The Bureau Chief requested that the first set of completed forms be filed by April 29, 1988, in time to be incorporated in the June 1988 monitoring report. Thereafter, reports would be filed on a semi-annual basis. The Joint Board staff also encouraged other local exchange companies to file bypass data and reports.

On April 29, 1988 the RBOCs and GTE submitted their first bypass reports based on the Joint Board forms. The June 1988 monitoring report summarized the data submitted to the Joint Board. The initial data

submissions were not as consistent as we might have hoped. Since this initial data collection can be viewed as a pilot effort, and since the data gathering and calculations are complex processes, it is not surprising that some inconsistencies arose.

The reported total estimated revenue loss amounted to \$3.8 billion. The total estimated minutes lost were 108 billion. However, given the problems surfacing in the first set of reports, these numbers must be viewed as subject to potentially large corrections.

To eliminate future inconsistencies the Joint Board staff requested that the following dates be used in compiling future reports. For bypass reports due in October, rates in effect on June 30 should be used to quantify "Revenue Lost." Estimates of minutes lost should be developed using data from the month of June (or the second quarter) as the basis for annualized estimates. For bypass reports due in April, rates in effect on December 31 should be used to quantify "Revenue Lost." Estimates of minutes lost should be developed using data from the month of December (or the fourth quarter) as the basis for annualized estimates.

The September 1988 monitoring report attempted to compile a time series of new bypass by year of first occurrence. However, several companies have brought to our attention that this attempt had serious flaws, and therefore it will not be repeated. The flaws included: (1) The data was drawn from the examples of bypass submitted by some of the companies. Not all of the companies that submitted bypass reports were included, and, furthermore, the examples were not an exhaustive compilation of bypass for the companies that were included. (2) The years used were vintage years of the first occurrence of bypass for each bypasser, but generally the amount of bypass has changed (usually grown) over time. The quantities measured were the amounts of current bypass, not the amount in the vintage year. Thus, what was actually shown on that chart was current bypass by vintage year of bypasser, not "new bypass in year of first occurrence" as the chart was titled.

October Bypass Reports

The following are excerpts of the descriptive materials submitted by the carriers in their bypass reports.

Ameritech

"In our first report submitted to the Commission on April 29, 1988, Ameritech reported an estimated \$840 M in annual revenue loss due to facility and service bypass representing traffic that could have been carried on the switched network but was not. Since the first bypass report, Ameritech has improved its reporting and data gathering processes. In this second report, state specific switched and special access rates were used instead of a weighted average as previously used. Also, in compliance with the FCC request,

rates in effect as of June 30, 1988 were used to quantify "Revenue Lost" and the estimates of minutes lost were developed using data from the month of June, 1988."

"The assumptions used to develop this second report are based on studies done by Ameritech and outside consultants and reflect a conservative estimate of the amount of facility as well as service bypass. The revenue losses were calculated based on these data. These are not necessarily revenues that were once received by Ameritech and have since disappeared, but these estimates represent switched access revenues that would have been received by Ameritech if alternatives did not exist. If it were possible to audit the total amount of revenue not actually received by Ameritech in its geographic territory, that number could easily exceed the estimates contained herein."

"The analysis that was completed to develop this report indicates that Ameritech is currently experiencing significant revenue losses both in service as well as facility bypass. While some uneconomic bypass may have been deterred, significant potential revenue is still at risk. Ameritech's calculation of annualized revenues lost to service bypass is \$351 M, while its estimate of facility bypass losses is \$513 M."

Bell Atlantic

"This second report demonstrates that the threat of bypass remains strong within the Bell Atlantic region with the estimated annual loss in minutes of use increasing to 23.2 billion. This reflects an increase of 1.4% over Bell Atlantic's April 1988 report. Due primarily to lower rates, the equivalent switched access revenues associated with these minutes have decreased by 3% to \$832 million. In its initial bypass report submitted in April 1988, and subsequently updated in June 1988, Bell Atlantic reported an estimated annual loss due to bypass of 22.9 billion minutes of use equating to \$858 million in switched access revenues."

"Scheduled increases in subscriber line charges and concomitant decreases in the carrier common line rate as well as the elimination of mandatory nationwide pooling will further help in bringing switched access rates in line with costs, thereby allowing a more economic choice between the public network and private facilities."

"In order that future bypass reports be more consistent, the Federal-State Joint Board staff in its June 1988 Monitoring Report established specific time frames to be utilized in compiling bypass data. As a result, for this second report, rates in effect on June 30, 1988 were utilized to quantify 'Revenue Lost', and the annualized estimated of minutes lost was developed using data from the month of June 1988. In addition, changes have been made to Bell Atlantic's reporting methodologies in order to be more consistent with the reports filed by other local exchange carriers."

"Because of these methodological changes, it is not possible to compare the results of Bell Atlantic's initial bypass report directly with the results presented herein. Nor is it possible, due to the unavailability of certain data, to recast the April results in the new methodology. However, future reports will be prepared in a manner similar to this second report and will therefore be comparable."

BellSouth

"BellSouth's second Bypass Monitoring Report in CC Docket No. 87-339 contains estimated revenue loss for facility and service bypass as well as examples of reported bypass cases and one reported case of abandoned bypass. For this report the rates in effect on June 30 were used to quantify revenue loss and data from the month of June was used to develop estimates of minutes lost, as requested by the Joint Board staff in the September 1988 Monitoring Report."

"Facility bypass revenue loss in this report increased by \$32.9 million to a total of \$43.1 million. This increase is due primarily to a more in depth analysis of microwave circuits and the inclusion of alternate forms of facility bypass which have been identified in the BellSouth states."

"Service bypass revenue loss decreased by \$59 million in this report. The estimated revenue loss due to service bypass is now \$213.5 million. The decrease in revenue loss due to service bypass is attributed to a decrease in voice grade equivalent circuit counts and an increase in the weighted average rates for special access circuits."

GTE

"The bypass data have been expanded to conform to the reports filed by the rest of the industry. Whereas the GTOCs' April 29, 1988 submission contained interstate facility and service bypass data, the current report provides service bypass data for interstate interLATA, interstate intraLATA, and intrastate interLATA traffic and facility bypass data for interstate interLATA and intraLATA traffic. In addition, unlike the GTOCs' April bypass data submission, the current report recognizes revenue from carrier common line charges as lost switched access revenue when interstate switched access traffic is lost to bypass."

"This report will serve as a revised baseline report. Subsequent submissions will provide information on incremental bypass activity."

"For the seven study areas encompassed by this 'baseline' report, the GTOCs find that:

- . Net switched revenue losses attributable to bypass total \$291 million;

- . The annual equivalent total bypass minutes are approximately 24% of the 1988 total interstate switched access minutes, 13% of the intrastate access minutes, and 21% of 1988 interstate and intrastate access minutes combined;
- . Of the total bypass minutes of use, 36% are associated with facility bypass and 64% with service bypass;
- . Services on which bypass traffic is carried are as follows:
 - . 11% are 2-wire voice equivalent channels;
 - . 66% are 4-wire voice equivalent channels; and
 - . 23% are HiCap voice grade equivalent channels."

NYNEX

"The Second Bypass Report shows that the NYNEX Telephone Companies are losing approximately \$373 million annually to service and facility bypass. When measured in terms of minutes of use ("MOUs"), approximately 10.9 billion switched access MOUs are lost to bypass annually within the NYNEX region...."

"When the First and Second Bypass Reports are compared, the results indicate that bypass within the NYNEX region, as measured by revenues, is growing at an average annual rate of 5.4 percent; and when measured in terms of MOUs, bypass is growing at an average annual rate of 3.6 percent...."

"The NYNEX Telephone Companies are committed to providing the Commission with accurate and reliable bypass data for purposes of monitoring the impact of its access charge policy decisions on bypass. In accord with that commitment, in their Second Bypass Report, the NYNEX Telephone Companies have made a number of improvements and modifications to their bypass study methodology and assumptions. Many of these improvements are consistent with suggestions made by the National Association of State Utility Consumer Advocates and Teleport Communications in this open docket."

"However, because these improvements were not included in NYNEX's First Bypass Report, filed on April 29, 1988, and because the primary purpose of these bypass reports is to compare bypass over time, the NYNEX Telephone Companies have recast their First Bypass Report Form 3 (Estimated Revenue Loss) using these improved study methods.... The NYNEX Telephone Companies also provide a comparison of the recast First Bypass Report data and the Second Bypass Report...."

"In addition to a total bypass analysis, the Second Bypass Report includes customer-specific data on 19 customers who engage in bypass. These customer examples were not previously reported in the First Bypass Report and include some customers who have become new bypassers since the First Bypass Report data was collected. The Commission also requested that the Second

Bypass Report identify any customers who have "returned" to the switched network since the First Bypass Report.... the NYNEX Telephone Companies have not been able to document any instances of customers abandoning their bypass strategies...."

Pacific Telesis

"Pacific Bell strove to improve the accuracy of this Bypass Report. This has resulted in several changes in methodology for calculating bypass loss:

- o For voice grade facility bypass, the estimated switched revenue loss is significantly reduced:
 - Steps were taken to insure that only private microwave within Pacific Bell territory was included. The result was that some systems were eliminated and the capacity of some systems was reduced.
 - The MOU factor was also decreased from 6,400 to 5,000 MOUs per month per voice grade line to reflect the latest information available regarding network usage within Pacific Bell.
 - The voice/data split has been updated to reflect current information provided by Eastern Management Group, which indicated that voice traffic on microwave is approximately 60%. This has shifted the revenue loss from voice facility bypass to data facility bypass.
- o For data over facility bypass, the estimated revenue loss is increased:
 - The data/voice split was updated to reflect the current information provided by Eastern Management Group, which indicates that data and video traffic on microwave is approximately 40%, and
 - The average rate per circuit was reduced because of tariff changes.
- o For service bypass, the result is an increase in the estimated revenue loss:
 - In the April 1988 report, only tariffed voice grades 1-4 services were indicated. To be consistent with the national approach, the current report included tariffed voice grades 1-2 (with an adjustment factor of 60% for voice) to determine the amount of voice traffic over service bypass facilities.
 - While the previous report included only circuit gain since 1984, this report is based on circuits in service as of June 30, 1988, per FCC request."

"At this time Nevada Bell has only identified Private Microwave and Carrier Bypass for inclusion in the Facility Bypass data. Additional forms of bypass, such as Fiber, VSAT and satellite have not been included in the calculations. As this information becomes available it will be included in future reports."

"The decrease in Facility Bypass - Switched is due primarily to the changes in methodology used to calculate the data (e.g., from previous reports, 74.2% voice versus current 60%, 6,400 MOUs versus current 5,000, the ratio Interstate/Intrastate applicable jurisdictions .9571 versus current .8583 and finally, the reduction in the average switched access rate from .0714 to .0502, reflecting tariff changes."

"The slight change in Facility Bypass private line is due to a change in methodology for data assignment, assumed 40% of Voice Grade to data versus 25.8 on the previous report. This change reflects the current information regarding the network from E.M.G. studies."

"The increase in Service Bypass is caused by calculating the revenue loss based on total HiCaps and Voice Grade circuits as of 6-30-88 versus circuit gain since 1984 in these two categories. Additional changes in methodology include 19 assumed channels per HiCap versus 23 previously used, 5,000 MOUs versus 6,400 and the average switched access rate of .0502 versus .0714. A \$1M drop in Special Access revenues due to Voice Grade High Capacity migration also attributed to the overall increase in revenue loss."

"Detailed information has been enclosed for actual Bypass examples to reflect changes and increase in microwave capacity to existing Bypass users and any new Bypass experienced since the last report. IEC Product Management and Engineering were the sources for this data on Form 1."

"Nevada Bell has identified two end users which have Abandoned/Discontinued Service Bypass and has reflected the associated switched revenue gain on Form 2."

Southwestern Bell (SWBT)

"SWBT has maintained since the very inception of the monitoring program that it cannot report a complete list of all end-users employing bypass arrangements for its five state territory. SWBT's criteria for determining examples of bypass are worth repeating. SWBT reports only those cases of end-users bypass for which it has obtained data as a result of (1) simultaneous declines in switched access usage and an increase in special access circuits at a customer location, (2) observation, (3) public information, and/or (4) direct customer contact. As such, SWBT may not become aware of a case of bypass until well after the bypass activity begins. Hence, examples which SWBT lists are only those examples which SWBT has been able to document since the filing of its first bypass monitoring report on April 28, 1988. These

examples include bypass that began in years as far back as 1984, and should not be attributed entirely to 1988."

"To identify a customer as having abandoned or discontinued a bypass arrangement, SWBT must have first identified a customer as a bypasser. Simply observing growth in switched access volumes (or changes in special access network configurations) alone cannot be justification for concluding that a bypasser has abandoned his bypass arrangement. Growth in switched access (or changes in special access levels) may be a result of other unrelated factors. Just as in the case of switched access reductions, SWBT documents the abandonment of bypass facilities before reporting such cases in this forum. SWBT continues to monitor the status of its customers and will report any change, either negatively or positively affecting SWBT, in this docket."

"Caution should be taken when comparing the estimates of aggregate bypass losses. SWBT's estimates of Service Bypass are approximately 33% lower than the first report. However, this can be partially explained by the use of 1988 rates for this report, while 1987 rates were used for the previous report. SWBT estimates that the originating average revenue per switched access minute (interstate and intrastate) fell by approximately 18% between the previous and current reports. Likewise, contributing to this reduction is the fall in special access revenues. Again SWBT estimates that recurring special access revenues (that portion related to bypass) fell by an average 16%."

"Similarly, SWBT reports lower facility bypass losses. This can be partially explained by the changes in access service rates. However, additional changes, initiated prior to the comment cycle of this docket, have been made in the method used to estimate the aggregate amount of facility bypass experienced. For this report, SWBT has, at least partially, configured private band microwave paths into networks based upon common endpoints according to latitude and longitude coordinates. This allows SWBT to estimate the capacity of a network of microwave paths rather than utilizing the capacity of each individual microwave path. In other words, for the previous report SWBT used the capacity of each individual microwave path (scaled by a switchable/nonswitchable ratio and a utilization factor) in estimating total facility bypass losses. For this report, SWBT utilizes as the capacity of a microwave network, the capacity of each identified network's largest leg (again scaled by a switchable/nonswitchable ratio and a utilization factor). This is a conservative approach, since it will underestimate network capacity under certain circumstances."

"In addition, SWBT has modified and refined the method used to determine the jurisdictional nature of each microwave path. In this report, SWBT includes only those microwave paths which are part of an interLATA microwave network. These two changes in SWBT methodology account for an approximate 3.4% increase in its estimate of facility bypass losses. Further analysis has revealed that, in general, this increase can be attributed to those states with relatively small geographic LATAs. In general, those SWBT states with

relatively small geographic LATAs experienced an increase in the number of microwave paths identified as crossing LATA boundaries, while the SWBT states with relatively large geographic LATAs experienced a decrease in the number of microwave paths identified as crossing LATA boundaries."

"Caution must be used in interpreting changes in the level of estimated bypass losses between the first and second reports. Several reasons other than actual changes in bypass activity may explain the different levels of revenue losses reported on the attached forms. For example, only partially known by SWBT, several assumptions are necessary to estimate the level of bypass activity. As SWBT's knowledge increases, refinements in the estimation method should be expected. Where specific reasons for such changes are known to SWBT, we have estimated the approximate impact of those changes above."

US West

"The second in a series of semi-annual Bypass Reports was submitted to the FCC on October 31, 1988 in compliance with FCC Docket 87-339. The report contained estimated bypass revenue losses attributed to facility and service bypass, identified known examples of facility and service bypass and identified known bypass abandoned/discontinued examples within the territory served by Mountain Bell, Northwestern Bell, and Pacific Northwest Bell (MTN, NWB AND PNB). The report represents interLATA bypass experienced in the March 1988 - July 1988 time period."

"MTN, NWB and PNB reported the following estimated bypass revenue losses:

Facility Bypass - Switched	\$ 41,292,102
Facility Bypass - Private Line	\$ 19,838,747
Service Bypass	\$378,553,813
Total Bypass	\$439,684,662"

"There were 107 examples of facility bypass identified and 274 examples of service bypass identified. One example of bypass abandoned/discontinued was documented."

"When compared to the April 1988 filing, US West experienced an 81% increase in facility bypass-switched, a 38% increase in facility bypass-private line, and a 12% increase in service bypass. Total bypass revenue loss increased 17%."

"Of the 107 reported facility bypass examples, 39% occurred prior to mid-1987. Admittedly, these should have been reported in the April 1988 bypass filing where a historical base was established; however, they were not identified until recently. All service bypass examples were incremental, i.e., occurring after the April 1988 reporting time frame."

"The increase in bypass revenue losses can be attributed to:

1. Improved microwave data gathering
2. Increase in the rate margins between switched and special access averaged rates."

Comments Filed

The following are excerpts of comments related to bypass filed in the monitoring docket since the last report, that were not summarized in the 90-day Study and Report.

The State of Colorado Public Utilities Commission (CPUC)

"The monitoring report appears to lack a single, agreed-on definition of bypass. The definition appears to be left up to the commentor. This precludes meaningful comparisons, and prevents drawing conclusions. Bypass should be divided into economic and uneconomic bypass as well as service and facilities bypass."

"The Joint Board should not be concerned with economic bypass or service bypass. Economic bypass, in fact, should be encouraged for efficiency reasons. Service bypass simply is movement of customers within an LEC. In fact, cost of service studies in Colorado and other states show that private line services receive a negative contribution. Appropriate pricing of these services will eliminate unwarranted service bypass. We believe that if only uneconomic bypass and facilities bypass are included, the large revenue losses reported by the LECs will be greatly reduced."

"Service bypass is considered by the CPUC to be economic bypass. Service bypass is bypassing the Public Switched Telephone Network (PSTN) to Special Access, and this is ordinarily done for economic reasons, or because the LEC does not offer the service through the PSTN. Service bypass should not be considered as part of the total bypass as this would be misleading. The LEC is still offering the service and is doing so at a cheaper and more cost-based rate. The Joint Board needs to ask the the LECs, of the total amount of bypass reported, how much has gone from switched access to special access?"

"Threat of bypass today is very substantially reduced. The occurrence of new bypass, according to the report, is very small. One conclusion is that the SLC increases and other actions by the FCC have done their job. Our view is that those actions contributed but other factors were more important. In 1984, the divestiture brought out the spectre of bypass. Both the FCC and LECs saw bypass as a reason to lessen regulation and shift NTS costs to local end-users. In this environment of hyperbole and uncertainty, entrepreneurs exploited the bypass alternatives. As the hyperbole and uncertainty diminished, so did the spectre of bypass as a real alternative.

Along these lines we consider two concepts important: net bypass and the complimentary nature of bypass."

"The concept of 'net' bypass needs to be addressed by the Joint Board. Net bypass takes into account not only the number of those bypassing the network, but those who migrate back to the network after a relatively short period of time. In order to determine the net bypass of a given LEC, it is necessary to trace the status of bypassers in approximately the last five years. Have the bypassers remained away from the network, or migrated back to it? Presently, the monitoring process only covers the out-migration of a customer and not the in-migration that might occur at a later date."

"In examining the bypass data of a local LEC, the CPUC discovered that most of the major bypassers also were the LEC's largest customers. Bypass actually did not reduce consumption of LEC services but instead increased it. Bypass may be a complimentary good and not a substitute good. The Joint Board needs to address this phenomenon before further increasing the SLC to stop bypass."

"Other findings of our own Colorado examination of bypass were: most bypass in terms of number of channels and dollar revenue was begun during the 1950s and 1960s; most of the bypass was done because the LEC could not provide the service or for security reasons; 96 percent of the bypass in terms of numbers of channels or dollars was done by state and local government, utilities, railroads and oil companies; and most had special right of way conditions."

"Neither the data nor the comments rigorously tied the increases in the SLC to any reduction in bypass. The LECs and others asserted a relationship. The CPUC believes that mere statements or wishes that a relationship exists are not sufficient. We believe a relationship needs to be shown statistically and that a relationship needs to be statistically and factually established before any further increases in the SLC are granted."

"Since the threat of bypass was one of the original and major reasons for instituting SLCs, we think the inability to establish a firm relationship between SLC increases and bypass to be sufficient reason to eliminate any further increases in the SLC."

Metropolitan Fiber Systems of Chicago (MFS Chicago)

"MFS Chicago is concerned that the bypass monitoring reports being submitted by the RBOCs and GTOCs are so inconsistent, and so imprecise, that they can provide the Commission, the Joint Board, and the public with little usable information. The flaws in the monitoring reports have been pointed out previously in comments filed by Teleport Communications (filed August 29, 1988) and Institutional Communications Co. (filed August 23, 1988), with which MFS Chicago generally concurs."

"The Ameritech bypass report makes no attempt to determine whether or not non-LEC telecommunications facilities are used to provide 'bypass'...."

"Nor does Ameritech make any attempt to distinguish between economic and uneconomic bypass. Section 2 of Ameritech's Report does indicate that some customers selected non-switched or non-LEC services for reasons other than price, including lack of comparable LEC services, security, control, and quality. The report makes no attempt, however, to quantify the amount of 'revenue loss' attributable to these customers, even though these customers clearly cannot be 'uneconomic' bypassers. Additionally, the reasons for use of bypass facilities remain 'unknown' in a great many cases."

"In their current state, Ameritech's 'bypass' estimates do not provide useful information. There is no way to assess whether or not the assumptions and approximations used by Ameritech are consistent with those used by other BOCs."

"MFS Chicago also is concerned that 'bypass' reports be placed in the proper perspective. Bypass is not necessarily a reaction only to BOC rate levels; many other considerations, including service flexibility, quality, and provider responsiveness, also come into play, as noted above."

Public Utility Commission of Texas

"The final stated objective of the FCC in developing its access charge plan is the deterrence of bypass. Almost all objective observers, including the FCC Commissioners and staff, have admitted -- in public and in private -- that the bypass predicted during the formative months of the FCC's access charge deliberations never materialized. The bypass studies submitted by the LECs clearly overstate the magnitude of the problem. Service bypass is used as the shining example of draining profits, whereas in reality, it is simply a shift of customer usage from one LEC service to another. Facility bypass exists; however, access costs have been shown to be only a minor consideration in corporate decision to construct alternative facilities."

"The reduction of the originating Carrier Common Line charge to zero has had the desired effect of virtually eliminating the possibility of bypass. As stated previously, we have reached the point of diminishing returns, and further increases in the Subscriber Line Charge will be more harmful than beneficial."

Wilton Telephone

"We would like to make you aware of the bypass impacts inherent in the implementation and application of the FCC's decision of May 20, 1986, in the matter of mid-year 1986 Access Tariff Filings as it relates to the definition of WATS Access Lines."

"As a result of the Memorandum Opinion and Order, the New England Telephone Company filed, in December 1986, revisions to its NHPUC-No. 75 Tariff to allow for what is commonly known as 'Universal WATS'. On the surface, and without knowledge to the contrary, this appeared to be an appropriate action...."

"Wilton Telephone Company of Wilton, New Hampshire is now becoming painfully aware of the impact of this change in definition and how an IXC can, with the use of WATS Access Line Extensions (WALES) totally bypass a small exchange carrier's switching and transport facilities for both MTS and WATS."

"Wilton is a 1,900 access line company located in southwestern New Hampshire. The company currently (pre-bypass) generates approximately 8,067,108 of access minutes of use in Interstate InterLATA traffic.... Three organizations which are currently local access customers of the company generate 1,923,434... minutes of use of switched access for the company, which represents 23.8% of Interstate InterLATA traffic...."

"Each of these three organizations has seen the benefits of bypassing the local switching and transport facilities of both the Wilton and New England Telephone Companies, by utilization of WALES and the Universal WATS capabilities of the IXC and New England Telephone Company, and has requested these services."

"We anticipate that our Interstate InterLATA revenue/cost recovery will be negatively impacted by \$56,353. Although we realize that Interstate billing and collection services have been detariffed, we also face a potential loss of \$50,000 for these services which are currently provided to AT&T."

"This bypass issue has significantly more importance when you consider that the company had recently completed a conversion to digital technology in our central office, to meet the needs of our customers, including these three organizations. Now we are faced with the prospect of stranded investment for the excess capacity, which was primarily for the utilization of these three customers."

APPENDIX

SUMMARY OF BYPASS METHODOLOGY*

* This explanatory material was submitted by USTA as part of the monitoring program in CC Docket No. 87-339, and is included here for help in explaining the bypass reports of the Regional Bell Operating Companies and GTE.

I. OBJECTIVE

The purpose of this document is to present an outline of the methodologies employed by the seven regional bell operating companies and GTE for the purpose of reporting bypass activities to the FCC per their requirements. The methods and procedures are used to develop an estimate of the impact of bypass in their respective regions.

II. BYPASS DEFINITIONS

The appropriate measure of the impact of bypass is derived from the definitions of bypass that are used. The following definitions of service and facility bypass are utilized for this purpose. The definitions have been duplicated from the FCC's Third Report on Bypass of the Public Switched Network. (May 26, 1987)

Facility Bypass - The user either installs, or has a facility provided which makes the service provided by the local telephone company unnecessary. The facility may either be connected to an interexchange carrier or to other facilities operated by the customer.

Service Bypass - The user leases a private line from the local telephone carrier, which may be connected either to the facilities of an interexchange carrier or to another location operated by the customer. In this case, switched access service provided by the local telephone company is bypassed. The bypasser, thus avoids paying the "contribution" included in the price of other long distance calls.

These definitions recognize that the relevant services being bypassed are switched access minutes of use. The data reported is premised on this basis, i.e., the revenue loss reported represents revenue lost from traffic that could have been carried on the switched network but was not. In the case of facility bypass, the switched minutes of use are valued at the average rate per switched minute of use. Service bypass figures additionally take into account the revenue earned on the special access circuits counted.

III. BYPASS ESTIMATION METHODOLOGIES

The bypass estimation methodologies presented here are generic in nature and are used to facilitate common reporting of information. Uniform common assumptions, whenever possible, are used. In some cases, individual regional or specific state assumptions are justified and utilized as in the case of fill factors, and percent of traffic that is switchable.

A. FACILITY BYPASS METHODOLOGIES

The primary inputs to the facility bypass estimation are private microwave voice grade equivalent channels. Most regions purchase data and information from outside consulting firms to aid them in the data gathering procedure within their territory.

1. Determine the number of voice grade equivalent circuits (VGEs) from microwave paths/other bypass technology.
2. Multiply the VGE by a utilization factor to yield total utilized VGEs.
3. Apply ratio and/or market intelligence to split VGEs into those replacing private lines and those replacing switched services.
4. Multiply the category of VGEs replacing switched services by estimated annual minutes of use (MOU), to indicate annual MOUs lost.
5. Multiply the annual MOUs lost by the average price of a switched MOU to determine the switched revenue that could have been generated if bypass facility had not been installed.
6. Multiply the category of VGEs replacing private lines by the average price for a voice grade special access circuit to estimate private line revenue lost.
7. Add items 5 and 6 to arrive at the total revenue loss due to facility bypass.

B. SERVICE BYPASS METHODOLOGIES

The primary inputs to the service bypass estimation are voice-grade, and high capacity in-service circuit counts. The figures are determined by using billing data for special access services obtained from in-house data bases.

1. Obtain count of all high capacity (HICAP) special access circuits/lines.
2. Determine percentage "nonswitchable" HICAP.
3. Subtract "nonswitchable" HICAP from item 1 to yield net HICAP.
4. Convert item 3 HICAP circuits to VGEs.
5. Multiply the VGEs obtained in item 4 by a utilization factor to discount for unused channels.

6. Add voice grade special access circuits (VGs) to item 5 to yield total VGEs.
7. Multiply the VGEs in item 6 by the estimated annual MOU to determine annual MOU lost to service bypass.
8. Multiply annual MOU lost by the average price for a switched minute of use to determine revenue that would have been generated if special access had not replaced switched access.
9. Determine special access revenues gained.
10. Subtract the special access revenues gained in item 9 from the the "Switched" revenues in item 8 to produce the "Estimated Revenue Loss " to service bypass.

IV. REPORTING PROBLEMS

An obstacle to the precise reporting of existing bypass is the lack of a reliable data source especially in the case of facility bypass. Available and documented data on the more recent facility bypass technologies (e.g. satellite and fiber) are difficult to find. Although consulting firms have offered the local exchange companies (LECs) data on these technologies, at a cost, the completeness of the vendor data is questionable and insufficient.

The bypass examples presented to the FCC cannot be used to develop time series analysis. The examples provided to the FCC are just that, examples - and are in no way exhaustive. They are simply intended to illustrate the existence of bypass in each region and to demonstrate that bypass of the network is a real phenomenon.

Another problem exists with gauging changes in bypass over time with a comparison of revenue loss from one period to the next. Changes in applicable rates limit the accuracy of revenue loss as a barometer of change in bypass and could likely distort the real trend. Only when the assumptions and all tracking criteria are held constant can the estimate be tracked over time. As it has evolved, the tracking of "estimate of total" has been as susceptible to fluctuations in assumptions as is the bypass example figure.

We really do not know, and have no way of knowing, in most cases, which services are being displaced when customers decide to bypass or more importantly, the precise reasons why customers decide to bypass. We further submit, that the only way to precisely measure bypass would be to require the vendors and users of bypass to submit reports of their activities.

7. Pooling and Rate Deaveraging

As has been noted in previous monitoring reports, the transition to jurisdictionally-specific Carrier Common Line (CCL) charges will not occur until April 1989, and thus there should be no new pressures before that time to deaverage interstate toll rates due to the access rate structure.

The following local exchange carriers have elected to withdraw from the NECA CCL pool on April 1, 1989: Ameritech, Bell Atlantic, BellSouth, Centel, Cincinnati Bell, Continental Telcom, GTE, NYNEX, Pacific Telesis, Rochester Telephone, Seneca-Gorham Telephone, Southern New England Telephone, Southwestern Bell, US West, United Telephone Systems, and Warwick Valley.

Beginning in 1989, our monitoring effort should include information on the dimensions of long term support and transitional support payments among the LECs, and the common line revenue requirements for the LECs remaining in the NECA pool. To further this effort, we have asked NECA to file data regarding the revenues and expenses of pool members by study area on an annual basis, and nationwide totals on a monthly basis.

The latest nationwide pool earned revenue figures through October 1988, provided by NECA, follow in Tables 7.1 through 7.3. Table 7.1 shows the total CCL pool revenues. Table 7.2 shows the pool revenues for Tier I companies. Table 7.3 shows the revenues for non-Tier I companies. Table 7.4 summarizes the CCL pool revenues and expenses for the first eight months of 1988. Table 7.5 has corresponding figures for NECA's voluntary traffic sensitive pool.

TABLE 7.1

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.

SUPPLEMENTAL REPORT OF COMMON LINE POOL RESULTS
 REPORTED AS OF OCTOBER, 1988

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N E C A CCL EARNED REVENUES

TOTAL COMMON LINE POOL

(REVENUE REPORTED IN MILLIONS)

MONTH/YR	PREMIUM CCL EARNED REVENUE			NONPREMIUM CCL EARNED REVENUE		
	ORIGINATING	TERMINATING	TOTAL	ORIGINATING	TERMINATING	TOTAL
JAN 86	N/A	N/A	662.101	N/A	N/A	29.693
FEB 86	N/A	N/A	636.141	N/A	N/A	27.255
MAR 86	N/A	N/A	686.783	N/A	N/A	26.304
APR 86	N/A	N/A	688.706	N/A	N/A	25.358
MAY 86	N/A	N/A	694.525	N/A	N/A	23.561
JUN 86	173.470	350.905	524.376	6.647	15.937	22.585
JUL 86	191.817	352.163	543.981	7.039	15.158	22.198
AUG 86	186.673	354.785	541.459	5.988	13.931	19.920
SEP 86	190.410	353.406	543.817	5.040	13.676	18.717
OCT 86	201.552	369.859	571.412	4.351	13.352	17.703
NOV 86	193.872	353.556	547.429	4.608	13.671	18.280
DEC 86	212.886	382.791	595.678	4.020	13.055	17.075
JAN 87	109.110	372.674	481.785	2.426	12.588	15.015
FEB 87	105.187	374.448	479.636	2.531	13.405	15.937
MAR 87	115.446	412.177	527.623	2.650	15.118	17.770
APR 87	111.125	399.765	510.891	2.558	14.005	16.564
MAY 87	109.701	389.201	498.903	2.267	13.413	15.682
JUN 87	116.433	406.570	523.004	2.024	13.979	16.004
JUL 87	57.023	411.299	468.323	1.088	13.479	14.568
AUG 87	52.264	413.758	466.023	0.799	13.650	14.451
SEP 87	51.880	421.636	473.517	0.780	13.309	14.090
OCT 87	53.600	443.056	496.657	0.734	12.650	13.385
NOV 87	53.095	421.130	474.227	0.677	11.862	12.539
DEC 87	59.168	457.333	516.502	0.796	11.671	12.467
JAN 88	N/A	419.696	419.697	N/A	10.822	10.823
FEB 88	N/A	423.861	423.862	N/A	11.204	11.204
MAR 88	N/A	462.730	462.731	N/A	11.156	11.157
APR 88	N/A	428.852	428.852	N/A	9.899	9.899
MAY 88	N/A	440.335	440.335	N/A	11.989	11.990
JUN 88	N/A	451.957	451.957	N/A	11.373	11.374
JUL 88	N/A	432.486	432.487	N/A	10.530	10.530
AUG 88	N/A	484.733	484.734	N/A	11.389	11.390
SEP 88	N/A	456.840	456.841	N/A	11.529	11.529
OCT 88	N/A	451.484	451.484	N/A	14.094	14.094

TABLE 7.2

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.

SUPPLEMENTAL REPORT OF COMMON LINE POOL RESULTS
REPORTED AS OF OCTOBER, 1988

PAGE 1 OF 1

N E C A CCL EARNED REVENUES

TIER 1

(REVENUE REPORTED IN MILLIONS)

MONTH/YR	PREMIUM CCL EARNED REVENUE			NONPREMIUM CCL EARNED REVENUE		
	ORIGINATING	TERMINATING	TOTAL	ORIGINATING	TERMINATING	TOTAL
JAN 86	N/A	N/A	623.074	N/A	N/A	29.265
FEB 86	N/A	N/A	598.604	N/A	N/A	26.734
MAR 86	N/A	N/A	646.713	N/A	N/A	25.793
APR 86	N/A	N/A	648.589	N/A	N/A	24.835
MAY 86	N/A	N/A	653.340	N/A	N/A	23.006
JUN 86	162.047	327.807	489.855	6.516	15.622	22.139
JUL 86	179.913	330.308	510.222	6.898	14.855	21.754
AUG 86	174.524	331.696	506.221	5.827	13.556	19.385
SEP 86	178.535	331.367	509.904	4.863	13.197	18.061
OCT 86	189.370	347.504	536.876	4.186	12.845	17.032
NOV 86	181.913	331.747	513.661	4.441	13.174	17.616
DEC 86	200.343	360.237	560.581	3.861	12.539	16.401
JAN 87	102.226	349.161	451.388	2.330	12.090	14.421
FEB 87	98.980	352.353	451.334	2.441	12.928	15.370
MAR 87	108.890	388.772	497.663	2.568	14.652	17.221
APR 87	104.600	376.297	480.898	2.473	13.541	16.015
MAY 87	102.999	365.424	468.424	2.178	12.887	15.066
JUN 87	109.569	382.602	492.172	1.951	13.471	15.423
JUL 87	53.531	386.106	439.637	1.051	13.020	14.072
AUG 87	48.990	387.840	436.831	0.767	13.107	13.876
SEP 87	48.790	396.523	445.314	0.749	12.772	13.522
OCT 87	50.486	417.312	467.799	0.704	12.137	12.843
NOV 87	49.885	395.665	445.551	0.643	11.272	11.916
DEC 87	55.836	431.579	487.416	0.759	11.124	11.883
JAN 88	N/A	393.938	393.938	N/A	10.285	10.286
FEB 88	N/A	399.833	399.833	N/A	10.597	10.598
MAR 88	N/A	438.204	438.204	N/A	10.485	10.485
APR 88	N/A	404.261	404.261	N/A	9.316	9.316
MAY 88	N/A	415.155	415.156	N/A	11.252	11.252
JUN 88	N/A	426.911	426.912	N/A	10.669	10.669
JUL 88	N/A	406.524	406.525	N/A	9.784	9.784
AUG 88	N/A	458.004	458.005	N/A	10.619	10.619
SEP 88	N/A	430.054	430.054	N/A	10.802	10.802
OCT 88	N/A	424.597	424.597	N/A	12.818	12.818

TABLE 7.3

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.

SUPPLEMENTAL REPORT OF COMMON LINE POOL RESULTS
 REPORTED AS OF OCTOBER, 1988

N E C A CCL EARNED REVENUES

NON-TIER 1

(REVENUE REPORTED IN MILLIONS)

MONTH/YR	PREMIUM CCL EARNED REVENUE			NONPREMIUM CCL EARNED REVENUE		
	ORIGINATING	TERMINATING	TOTAL	ORIGINATING	TERMINATING	TOTAL
JAN 86	N/A	N/A	39.027	N/A	N/A	0.428
FEB 86	N/A	N/A	37.537	N/A	N/A	0.522
MAR 86	N/A	N/A	40.069	N/A	N/A	0.511
APR 86	N/A	N/A	40.116	N/A	N/A	0.522
MAY 86	N/A	N/A	41.185	N/A	N/A	0.554
JUN 86	11.422	23.097	34.520	0.131	0.315	0.447
JUL 86	11.904	21.855	33.759	0.140	0.303	0.444
AUG 86	12.148	23.089	35.238	0.160	0.374	0.535
SEP 86	11.874	22.039	33.914	0.176	0.479	0.656
OCT 86	12.181	22.355	34.537	0.165	0.506	0.672
NOV 86	11.959	21.808	33.768	0.167	0.496	0.664
DEC 86	12.543	22.553	35.097	0.158	0.515	0.675
JAN 87	6.884	23.512	30.397	0.095	0.497	0.594
FEB 87	6.206	22.095	28.302	0.090	0.477	0.567
MAR 87	6.555	23.404	29.960	0.081	0.466	0.548
APR 87	6.525	23.467	29.993	0.084	0.464	0.550
MAY 87	6.701	23.777	30.479	0.088	0.526	0.615
JUN 87	6.864	23.968	30.833	0.073	0.507	0.581
JUL 87	3.492	25.192	28.686	0.037	0.459	0.496
AUG 87	3.273	25.917	29.192	0.031	0.543	0.575
SEP 87	3.089	25.113	28.203	0.031	0.536	0.568
OCT 87	3.114	25.743	28.858	0.029	0.512	0.542
NOV 87	3.210	25.464	28.675	0.033	0.589	0.623
DEC 87	3.331	25.754	29.086	0.037	0.546	0.584
JAN 88	N/A	25.758	25.758	N/A	0.537	0.537
FEB 88	N/A	24.028	24.028	N/A	0.606	0.607
MAR 88	N/A	24.526	24.527	N/A	0.671	0.671
APR 88	N/A	24.590	24.591	N/A	0.582	0.583
MAY 88	N/A	25.179	25.180	N/A	0.737	0.738
JUN 88	N/A	25.045	25.045	N/A	0.704	0.705
JUL 88	N/A	25.962	25.962	N/A	0.745	0.746
AUG 88	N/A	26.729	26.729	N/A	0.770	0.771
SEP 88	N/A	26.786	26.787	N/A	0.726	0.727
OCT 88	N/A	26.887	26.887	N/A	1.275	1.276

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TABLE 7.4

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.
SUMMARY OF POOL RESULTS FOR THE MONTH ENDING AUGUST 31, 1988
REPORTED AS OF OCTOBER 31, 1988

COMMON LINE (CL) (Note 1)	CURRENT MONTH	1988 POOL YEAR (Note 2)
Carrier Common Line (CCL) Earned Revenue		
Premium	\$484,652,727	\$3,545,176,631
Non-premium	\$11,470,718	\$87,844,726
Special Access Surcharge	\$5,290,793	\$47,730,036
CCL Net Realized Uncollectibles	\$22,472	\$2,663,579
CCL Net Earned Revenue	\$501,391,766	\$3,678,087,814
End User Earned Revenues	\$372,834,404	\$2,953,515,129
End User Net Realized Uncollectibles	\$1,436,888	\$15,475,258
End User Net Earned Revenues	\$371,397,516	\$2,938,039,871
Total Common Line Net Earned Revenues	\$872,789,282	\$6,616,127,685
CL Income from Interest Charged Construction	\$34,161	\$210,754
Total Common Line Revenues	\$872,823,443	\$6,616,338,439
NECA Administrative Cost	\$3,185,705	\$27,475,800
Average Schedule Company Settlements	\$24,442,638	\$192,940,458
Common Line Expenses and other Taxes	\$594,096,739	\$4,629,555,953
Common Line Adjusted Federal Income Tax	\$49,700,333	\$327,993,623
Universal Service Fund (effective 1/1/86)	\$14,750,346	\$117,558,871
Total Common Line Costs	\$686,175,761	\$5,295,524,705
Common Line Residue for Distribution (Note 3)	\$186,647,682	\$1,320,813,734
Common Line Net Investment	\$16,478,300,329	\$16,539,669,398
Annualized Common Line Residue Ratio (Note 4)	13.59%	11.98%

Note 1: All of the individual line items include some estimates and are subject to further adjustments under current NECA procedures.

Note 2: The 1988 pool year is for the period beginning January 1, 1988 through the CURRENT MONTH. The Net Investment is an average of the cumulative months reported.

Note 3: Residue for Distribution is Total Revenues less Total Expenses.

Note 4: Annualized Residue Ratio in the CURRENT MONTH is calculated by dividing the amount of Residue for Distribution by the amount of average Net Investment and multiplying by 12 months X 100. The annualized POOL YEAR Residue Ratios are similarly computed except that the sum of the calculation is then divided by the number of POOL YEAR reporting periods.

TABLE 7.5

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.
SUMMARY OF POOL RESULTS FOR THE MONTH ENDING AUGUST 31, 1988
REPORTED AS OF OCTOBER 31, 1988

TRAFFIC SENSITIVE (TS) (Note 1)	CURRENT MONTH	1988 POOL YEAR (Note 2)
TS Earned Revenue	\$45,221,683	\$339,645,695
TS Net Realized Uncollectibles	85	\$30,852
TS Net Earned Revenue	\$45,220,998	\$339,614,753
TS Income From Interest Charged Construction	\$18,234	\$115,165
Total Traffic Sensitive Revenues	\$45,239,232	\$339,729,918
Average Schedule Company Settlements	\$17,335,616	\$133,857,545
TS Expenses and other Taxes	\$17,386,843	\$136,513,358
TS Adjusted Federal Income Tax	\$2,228,844	\$13,832,749
Total Traffic Sensitive Expenses	\$36,951,303	\$284,203,652
TS Residue For Distribution (Note 3)	\$8,287,929	\$55,526,266
TS Net Investment	\$658,507,910	\$654,624,129
Annualized Traffic Sensitive Residue Ratio (Note 4)	15.10% -	12.72%

Note 1: All of the individual line items include some estimates and are subject to further adjustments under current NECA procedures.

Note 2: The 1988 pool year is for the period beginning January 1, 1988 through the CURRENT MONTH. The Net Investment is an average of the cumulative months reported.

Note 3: Residue for Distribution is Total Revenues less Total Expenses.

Note 4: Annualized Residue Ratio in the CURRENT MONTH is calculated by dividing the amount of Residue for Distribution by the amount of average Net Investment and multiplying by 12 months X 100. The annualized POOL YEAR Residue Ratios are similarly computed except that the sum of the calculation is then divided by the number of POOL YEAR reporting periods.

8. Jurisdictional Shifts in Revenue Requirements

To address concerns that changes in separations procedures might dramatically shift costs between jurisdictions and thereby lead to unanticipated or significant rate increases, the monitoring program includes the examination of jurisdictional shifts in revenue requirements that occur starting in 1988. This section discusses the monitoring efforts that will be undertaken in this area as the information becomes available.

In 1987, the Commission adopted the recommendations of the Joint Board in Docket No. 86-297 which conformed separations procedures to the revised Uniform System of Accounts and simplified those procedures. The Commission also adopted the Joint Board's recommendation that review of the jurisdictional revenue requirement shifts resulting from these changes be included in the monitoring plan. Pursuant to the Commission's decision, no formal reports from carriers on jurisdictional shifts in revenue requirements are due until March 1989. At that time, shifts occurring during calendar year 1988 will be reported by carriers.

Specifically, the Commission requested information on jurisdictional shifts in total revenue requirements that exceed 5% or more of the company's annual total revenue requirements for the study area. The shifts in revenue requirements to be reported by carriers are those resulting from conformance of the separations rules to the new accounting rules and from simplification of the separations rules. Other separations procedures changes (including those relating to Central Office Equipment and other changes recommended by the Joint Board in Docket No. 80-286) will be excluded.

Subsequent to the Commission's adoption of the Joint Board's recommended monitoring plan, further separations issues developed. The Commission reconsidered its decision regarding the separations procedures for marketing expenses, and decided that, on an interim basis, billings for access charges should be included in the allocation factor for these expenses.¹ The Commission was concerned, as were the state members of the Joint Board, that the revenue requirement impact of the exclusion of

1 MTS and WATS Market Structure, Amendment of Part 67 (New Part 36) of the Commission's Rules and Establishment of a Joint Board, CC Docket Nos. 78-72, 80-286, and 86-297, 2 FCC Rcd 5349 (1987) (Supplemental NPRM).

access revenues from the allocation factor had not been fully tested in the conformance proceeding. The Commission referred this issue to the Joint Board in CC Docket No. 80-286 and requested that the Joint Board recommend a permanent solution. The Joint Board adopted an Order Inviting Comments and Request for Data regarding this issue on May 4, 1988.² In addition, the Commission recently acted on petitions for reconsideration regarding other aspects of the revised separations procedures.³

Reconsideration Order

In the Monitoring Reconsideration Order,⁴ the Commission acted on a Petition for Clarification and Reconsideration filed by Pacific Bell and Nevada Bell (Pacific Companies) on October 28, 1987, which raised the issue of the appropriate reporting procedures for jurisdictional revenue requirement shifts. Specifically, the Pacific Companies requested that the Commission clarify or modify its request to permit LECs to report simulated, rather than actual, impacts on revenue requirements of the new separations rules. The Pacific Companies proposed to use modeling techniques to simulate actual revenue requirement impacts.

Several parties filed responsive pleadings. USTA supported the Pacific Companies' petition. The Ameritech Operating Companies (Ameritech) and Southwestern Bell Telephone Company (Southwestern) contended that no reconsideration was necessary because the decisions of the two Joint Boards and the Commission do not require the use of dual accounting and separation procedures and do not prohibit the use of modeling techniques to calculate revenue requirement shifts. These parties agreed, however, with the Pacific Companies' concern that the Commission clarify this issue. In addition, the New York Department of Public Service (New York) requested that the Commission expand the monitoring program to include an assessment of the

2 Amendment of Part 36 of the Commission's Rules and Establishment of a Joint Board, CC Docket No. 80-286, 3 FCC Rcd 2774 (1988).

3 MTS and WATS Market Structure, Amendment of Part 67 (New Part 36) of the Commission's Rules and Establishment of a Federal-State Joint Board, CC Docket Nos. 78-72, 80-286 and 86-297, 3 FCC Rcd 5518 (1988).

4 Establishment of a Program to Monitor the Impact of Joint Board Decisions, CC Docket No. 87-339, FCC 88-244, released July 19, 1988.

cumulative nationwide effect of all the revisions that have resulted from the recent separations decisions. New York also requested that the Commission assess the impact resulting from changes in the allocation of depreciation reserve deficiencies.

In the Monitoring Reconsideration Order, at paras. 26-30, the Commission clarified its preferred method for reporting jurisdictional shifts in revenue requirements. The Commission endorsed the interpretation of Ameritech and Southwestern. The Commission stated that the Joint Board and the Commission did not intend to request that LECs report actual, rather than modeled, data in reporting jurisdictional shifts in revenue requirements but, rather, intended to allow carriers to use modeling as a technique to calculate the revenue requirement impact of the new Separations Manual. The Commission noted that to report actual data, carriers would be required to maintain dual accounting systems and perform complex and costly studies, which would contravene the goal of simplifying the separations process. The Commission accordingly clarified that in complying with its request for reports on jurisdictional shifts in revenue requirements, LECs may report data using a modeling approach rather than report actual data.

The Commission stated that although several modeling approaches had been proposed by the industry to determine jurisdictional shifts in revenue requirements, the use of one approach by the entire industry is necessary for a meaningful and accurate analysis of the results. The Commission therefore stated that it would establish a modeling technique that will be used by all carriers in reporting jurisdictional shifts in revenue requirements. The Commission solicited suggestions, to be filed in the open docket in this proceeding, of approaches to the modeling of revenue requirement impacts and requested that such proposals be as specific as possible, with appropriate illustrative examples. The Commission specifically requested that USTA, the Pacific Companies, Ameritech and Southwestern submit their suggested techniques. Comments suggesting modeling approaches were filed August 30, 1988.⁵ Reply comments were filed September 20, 1988.⁶ These comments will be summarized in the Order that selects the model to be used.

5 Comments were filed by American Telephone and Telegraph, Ameritech, BellSouth, MCI, Pacific Telesis, Southwestern Bell, and the United States Telephone Association.

6 Reply comments were filed by American Telephone and Telegraph, Ameritech, Bell Atlantic, BellSouth, District of Columbia Public Service Commission, GTE, MCI, NYNEX, Southwestern Bell, United States Telephone Association, and US West.

In addition, the Commission declined to expand the monitoring program as suggested by New York, stating that neither the Joint Board, nor the Commission, intended the monitoring program to be a comprehensive, all-encompassing review of the impact of every recent separations decision. The Commission stated that both Joint Board and the Commission instead intended the program to be a review of certain specific changes in the Commission's rules that the Joint Board estimated would have certain expected impacts. The Commission added that the request for reports of jurisdictional shifts in revenue requirements was intended to confirm that the impact of separations conformance to accounting changes and of separations simplification would be as the Joint Board and the Commission expected. The remainder of the program, the Commission continued, was intended to monitor the effect of certain changes in subscriber line charges, the federal lifeline assistance programs, the high cost assistance formula, and the common line pooling system. The Commission stated that expansion of the monitoring program as suggested by New York would not further the goals of this proceeding and would exceed the purposes of both Joint Boards and of the Commission in establishing the program. Moreover, the Commission noted that the impact of the separations revision not included in the monitoring program, such as changes in Central Office Equipment procedures, had been fully considered and adequately addressed in Docket No. 80-286 and need not be revisited. In addition, the Commission declined to expand the monitoring program to include an evaluation of the impact of changes in depreciation reserve deficiencies because it would exceed the purposes of the monitoring program and because that issue had never been referred to any Joint Board and had never considered by any Joint Board.

Further Comments Requested

The monitoring program in this docket is evaluating the impact of the revised Separations Manual on a company-by-company basis and for the nation as a whole. The Public Service Commission of the District of Columbia (DC) implied in comments on the Class B Manual in Docket 86-297 that the provision of telecommunications services in its jurisdiction involves unique circumstances and therefore warrants special treatment. To the extent that DC claims that it has unique circumstances in this regard, the Joint Board Staff requests that it file comments by January 31, 1989, in this docket quantifying the facts surrounding the provision of service in that jurisdiction. Interested parties may respond by February 15, 1989. We are particularly interested in the impact of the use of Centrex, the use of telecommunications services by the federal government, and the lack of intrastate toll usage. We are interested specifically in the jurisdictional revenue requirement shifts that resulted from the implementation of the new Separations Manual adopted in CC Docket No. 86-297 and any potential adverse impacts those shifts may have had. In keeping with the nature and purpose of this docket, we specifically request that DC quantify its claims. Filing parties must serve copies on all Joint Board Commissioners and staff listed in the introduction to this report.