

Confidential Release

Case Number: 96-899-TP-ALT

**Date of Confidential Document:
March 18, 1999**

Today's Date: JAN 18 2011

**Transcript exhibits filed for hearing held 3/4/1999.
Volume IV.**

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MC GINNIS & ASSOCIATES, INC.
COLUMBUS, OHIO (614) 431-1344

PUBLIC UTILITIES COMMISSION

STATE OF OHIO

In the Matter of the)
Application of Cincinnati Bell)
Telephone Company for Approval)
of a Retail Pricing Plan Which)
May Result in Future Rate)
Increases and for a New)
Alternative Regulation Plan.)

96 pgs.

Case No. 96-899-TP-ALT

MAR 10 1999

BOOKING DIVISION
PUCO

Hearing Room 11-D
Borden Building
180 East Broad Street
Columbus, Ohio 43215
Tuesday, March 2, 1999

Met, pursuant to assignment, at 9:00 o'clock a.m.

BEFORE:

Dwight Nodas, Attorney-Examiner.

00-0507

VOLUME II

FILED

APR 17 2000

MARCIA J. MENGEL, CLERK
SUPREME COURT OF OHIO

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EXHIBITS

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CBT 3A

DEPRECIATION RATE STUDY

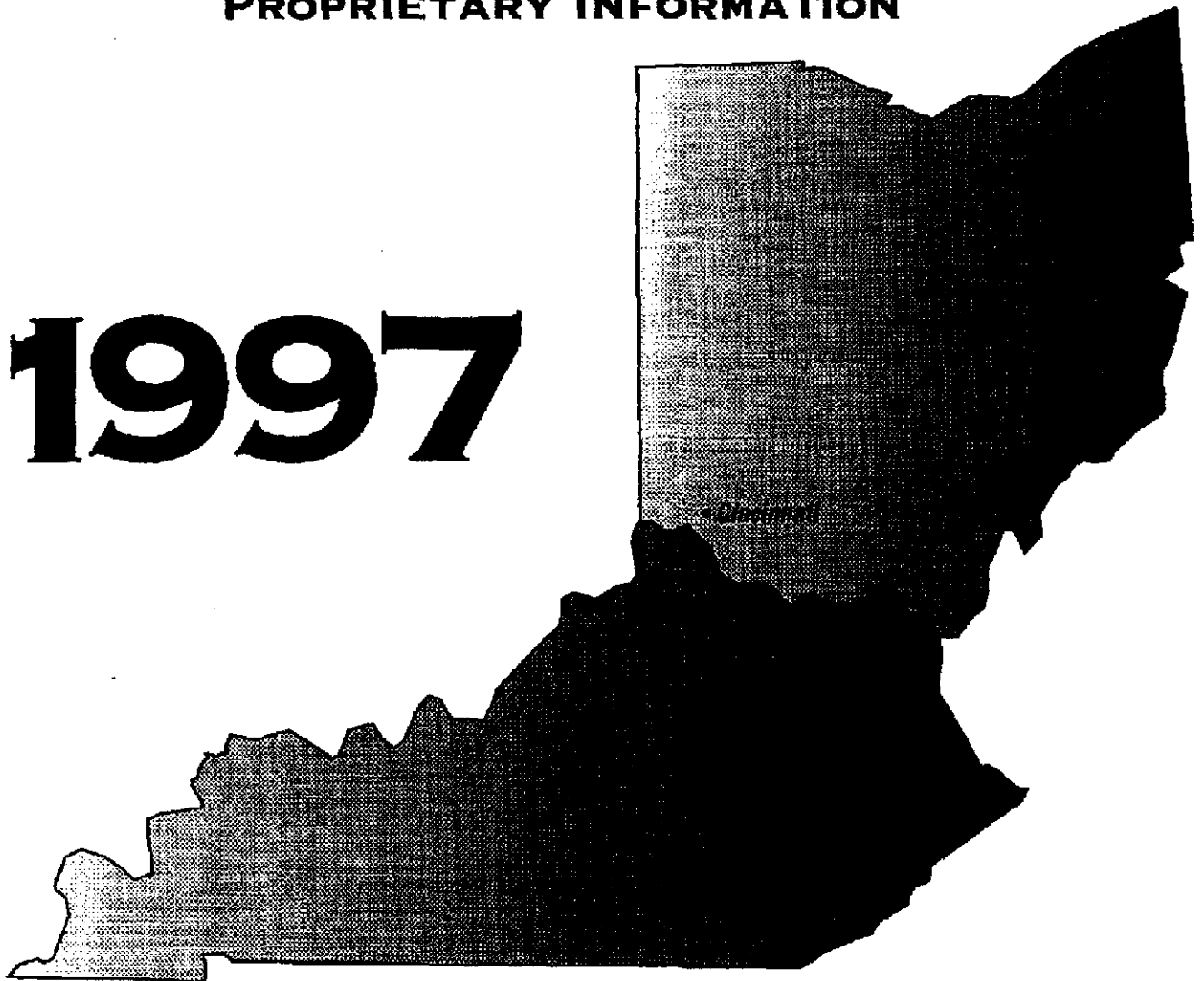
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PUCO

PROPRIETARY INFORMATION

1997



Cincinnati Bell Telephone®

Company: Cincinnati Bell Telephone
State: Total Company

PROPRIETARY BINDER
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Subject to terms of
Stipulated Payment Agreement
PUCO Case No. 1094-PS-ALT
CINCINNATI BELL TELEPHONE COMPANY

February 18, 1997

Company: Cincinnati Bell Telephone
State: Ohio

Cincinnati Bell Telephone
Forecasted Additions and Retirements
January 1, 1997 through January 1, 2000
(\$000)

RATE CATEGORY	1/1/97	1997		1/1/98	1998		1/1/99	1999		1/1/00
	TPIS	Additions	Retirements	TPIS	Additions	Retirements	TPIS	Additions	Retirements	TPIS
MOTOR VEHICLES	15,367	2,002	1,488	15,881	2,002	1,312	16,571	2,002	1,673	16,800
GARAGE WORK EQPT	764	0	10	754	0	10	744	0	12	732
OTHER WORK EQPT	9,822	1,902	100	11,824	1,902	100	13,426	1,902	150	15,178
BUILDINGS	119,722	6,366	1,150	124,838	6,366	400	130,904	6,366	325	136,945
FURNITURE	14,175	300	100	14,375	300	100	14,575	300	100	14,775
OFFICE SUPPORT EQPT	5,278	0	10	5,288	0	10	5,258	0	10	5,248
COMPANY COMMUN EQPT	12,286	100	75	12,291	100	75	12,316	100	100	12,316
GEN'L PURPOSE COMP.	46,297	11,211	1,500	56,008	11,211	1,500	65,719	11,211	2,000	74,930
ANALOG ELEC. SWITCH	22,036	250	10,500	11,786	100	9,886	2,000	0	2,000	0
DIGITAL ELEC SWITCH	255,470	18,444	2,500	271,414	18,444	1,500	288,358	18,444	2,000	304,802
OPER SYSTEMS - DIGITAL	4,377	100	100	4,377	100	1,500	2,977	100	0	3,077
RADIO SYSTEMS	501	0	0	501	0	0	501	0	0	501
DIGITAL CIRCUIT EQPT	199,056	22,549	5,000	216,605	22,549	6,000	233,154	22,549	6,000	249,703
ANALOG CIRCUIT EQPT	13,349	200	450	13,099	200	600	12,699	200	800	12,099
OTHER TERMINAL EQPT	5,094	701	400	5,395	701	500	5,596	701	300	5,997
POLES	31,684	1,543	350	32,857	1,543	400	34,000	1,543	400	35,143
AERIAL CABLE: MET	139,011	7,216	1,500	144,727	7,216	1,700	150,243	7,216	1,800	155,659
AERIAL CABLE: NON-MET	9,542	2,891	50	12,383	2,891	100	15,174	2,891	100	17,965
UNDERGROUND CA: MET	102,791	3,276	750	105,317	3,276	1,000	107,593	3,276	1,000	109,869
UNDERGRD CA: NON-MET	18,280	2,774	75	20,979	2,774	75	23,678	2,774	100	25,352
BURIED CABLE: MET	82,363	5,440	300	87,523	5,440	400	92,563	5,440	400	97,603
BURIED CABLE: NON-MET	402	200	0	602	200	10	792	200	10	982
INTRABLD CA: MET	24,801	650	150	25,301	650	200	25,751	650	200	26,201
INTRABLD CA: NON-MET	3,745	1,360	10	5,095	1,360	10	6,445	1,360	15	7,790
AERIAL WIRE	1,110	60	30	1,140	60	30	1,170	60	40	1,190
CONDUIT SYSTEMS	59,591	1,503	50	61,044	1,503	50	62,497	1,503	75	63,925

Company: Cincinnati Bell Telephone
State: Kentucky

Cincinnati Bell Telephone
Forecasted Additions and Retirements
January 1, 1997 through January 1, 2000
(\$000)

RATE CATEGORY	1/1/87	1997		1/1/88	1998		1/1/89	1999		1/1/00
	TPIS	Additions	Retirements	TPIS	Additions	Retirements	TPIS	Additions	Retirements	TPIS
MOTOR VEHICLES	4,486	400	252	4,634	400	222	4,812	400	284	4,928
GARAGE WORK EQPT	190	0	2	188	0	2	186	0	3	183
OTHER WORK EQPT	1,571	50	20	1,601	50	20	1,631	50	25	1,656
BUILDINGS	16,661	1,240	160	17,741	1,240	160	18,621	1,240	150	19,911
FURNITURE	327	0	5	322	0	5	317	0	5	312
OFFICE SUPPORT EQPT	105	0	1	104	0	1	103	0	1	102
COMPANY COMMUN EQPT	588	0	0	588	0	0	588	0	0	588
GEN'L PURPOSE COMP.	529	5	50	484	5	70	419	5	100	324
ANALOG ELEC. SWITCH	2,713	0	2,713	0	0	0	0	0	0	0
DIGITAL ELEC SWITCH	41,434	6,578	500	47,512	6,578	500	53,590	6,578	1,000	59,168
OPER SYSTEMS - DIGITAL	0	0	0	0	0	0	0	0	0	0
RADIO SYSTEMS	24	0	0	24	0	0	24	0	0	24
DIGITAL CIRCUIT EQPT	52,069	6,776	1,500	57,365	6,776	2,500	61,641	6,776	2,500	65,917
ANALOG CIRCUIT EQPT	2,912	0	150	2,762	0	300	2,462	0	500	1,962
OTHER TERMINAL EQPT	918	100	50	968	100	50	1,018	100	50	1,068
POLES	14,887	459	200	15,146	459	250	15,355	459	250	15,564
AERIAL CABLE: MET	46,093	3,593	600	49,086	3,593	700	51,979	3,593	700	54,872
AERIAL CABLE: NON-MET	3,450	711	15	4,146	711	20	4,837	711	40	5,508
UNDERGROUND CA: MET	23,189	1,127	100	24,216	1,127	200	25,143	1,127	200	26,070
UNDERGRD CA: NON-MET	4,596	528	20	5,104	528	20	5,612	528	25	6,115
BURIED CABLE: MET	36,544	1,966	100	38,510	1,966	120	40,356	1,966	200	42,122
BURIED CABLE: NON-MET	15	0	0	15	0	0	15	0	0	15
INTRABLD CA: MET	3,912	151	20	4,043	151	30	4,164	151	30	4,285
INTRABLD CA: NON-MET	337	165	0	502	0	0	567	165	5	827
AERIAL WIRE	2,234	40	50	2,224	40	50	2,214	40	70	2,184
CONDUIT SYSTEMS	20,199	599	10	20,788	599	20	21,367	599	20	21,946

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Subject to Review
PUCO CINCINNATI BELL TELEPHONE COMPANY

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2121.00 Buildings
Category: 10JC Buildings

PROPRIETARY NARRATIVE

Future Expectations

As technology continues to move to fiber and optical, CBT is able to place the equipment closer to the customer, utilize smaller structures, and reduce the outside plant investment. The result will be the continuance of the current trend to construct smaller remote equipment buildings. The remote equipment buildings are more economical and efficient for CBT to construct and maintain. Therefore, in the future, CBT will continue to shift the investment from the large buildings category to the small equipment buildings and garages category.

CBT had experimented with using controlled environment vaults (CEVs). The CEVs are concrete, watertight buildings that house switching, pair gain, and/or transmission equipment. They are located beneath the ground. In the future, however, CBT has decided not to pursue CEVs any further because structural flaws causing leaks have been detected.

In 1997, the retrofits to upgrade the current central offices to house digital switching equipment will be completed in Kentucky. However, this will not be completed in Ohio until 1998. Future upgrades of all types of buildings will depend on the sensitivity of future switching equipment.

In 1997, CBT expects to sell the old Norwood Central Office building. It has been difficult to sell this building due to the presence of asbestos and the physical design of the building. As the other large central office buildings are retired in the future, the company expects similar problems to occur.

The life cycle product tables for both Buildings study categories follow.

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February 18, 1997
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Company: Cincinnati Bell Telephone
 State: Total Company
 Account: 2121.00 Buildings
 Category: 10JC Buildings

Life Cycle Summary - Large Buildings Study Category

Product	Investment (\$M)	Investment Peak	Retirement Peak	Zero Investment	VG Avg. Remaining Life
Mechanical	33.8	1996	2025-2029	2052	23.2
Electrical	20.2	1998	2035	2052	25.1
Structure	53.4	1998	2031-2032	2052	33.0
Roof	3.5	2011	2029	2052	22.7
Support System	4.8	2002	2035	2052	15.1
Total	115.7				27.7

Life Cycle Summary - Small Equipment and Garages Study Category

Product	Investment (\$M)	Investment Peak	Retirement Peak	Zero Investment	VG Avg. Remaining Life
Mechanical	2.4	1997-2000	2015	2025	16.3
Electrical	2.6	1999	2015	2025	17.4
Structure	13.5	1998	2010	2025	16.2
Roof	0.8	2004	2005	2025	9.0
Support System	1.0	1996	2008	2025	13.2
TOTAL	20.3				15.9

In the future, CBT plans to continue to repair and replace these subsystems as needed to meet the changing requirements of the switching and other equipment stored in the buildings. This will contribute to the additions and interim retirements that are expected in the future.

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 PUCO Case No. 97-0001
 CINCINNATI BELL TELEPHONE CO.

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The following table illustrates the vintage group remaining lives for each subsystem product category for both study categories.

Subsystem Vintage Group Remaining Lives

Subsystem Component	Large Buildings Study Category	Small Equipment and Garages Study Category
Structure	33.0	16.2
Mechanical	23.2	17.4
Electrical	25.1	16.3
Roof	22.7	9.0
Support	15.1	13.2
TOTAL BUILDING	27.7	15.9

The vintage group remaining lives were then used to compute the projection life for both study categories in Ohio and Kentucky. The table below summarizes the vintage group remaining life and the projection life for each study category.

Study Category Vintage Group Remaining Lives and Projection Lives

	Large Buildings	Small Equipment and Garages
Composite Vintage Group Remaining Life	27.7	15.9
Projection Life - Ohio	40.0	22.0
Projection Life - Kentucky	37.0	22.0

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The Subject Matter Experts (SMEs) developed the life cycles for each of the product categories. They based their forecasts upon the long-range network plan. The SMEs considered the number and types of buildings that would be needed in the future to house the network equipment. Based upon those future needs, they then determined the additions and retirements of the subsystem components. In recent years, CBT has been reducing the workforce and consolidating work locations. The SMEs also considered this trend in the development of the life cycles.

The future expectations for each product category follows.

Large Building Study Category

Future Expectations

Interim retirements associated with subsystem component upgrades and general maintenance for building upkeep are expected to continue throughout the life of the large buildings. The final retirement of these buildings will result from excessive maintenance and repair costs. The maintenance costs of the buildings will continue to increase in the future. It will be more economical and efficient for the company to use smaller equipment buildings and garages. In addition, the future switching and network equipment will not require as much space which will influence CBT to utilize the smaller equipment buildings. Eventually, these small buildings will replace the large central offices because the large central offices are costly to maintain. The result will be a reduction in expenses and the corresponding investment.

The chart on the next page illustrates the composite life cycle for the large buildings study category. The all survivors curve shows that the investment will peak around 1998 while the embedded investment curve shows that the embedded investment will continue to decrease in the future until the final retirement of all large buildings in 2052.

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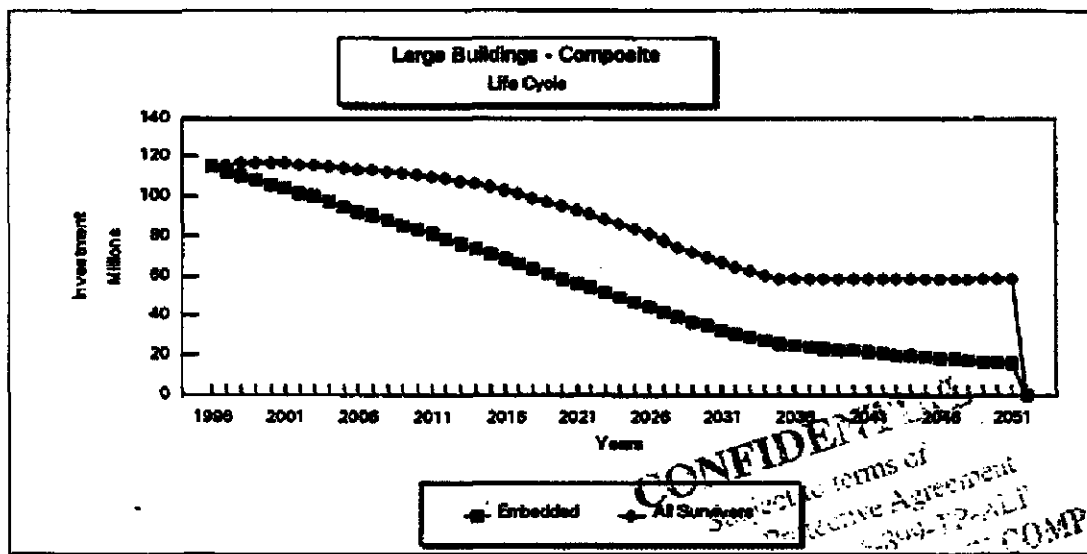
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Large Buildings Study Category



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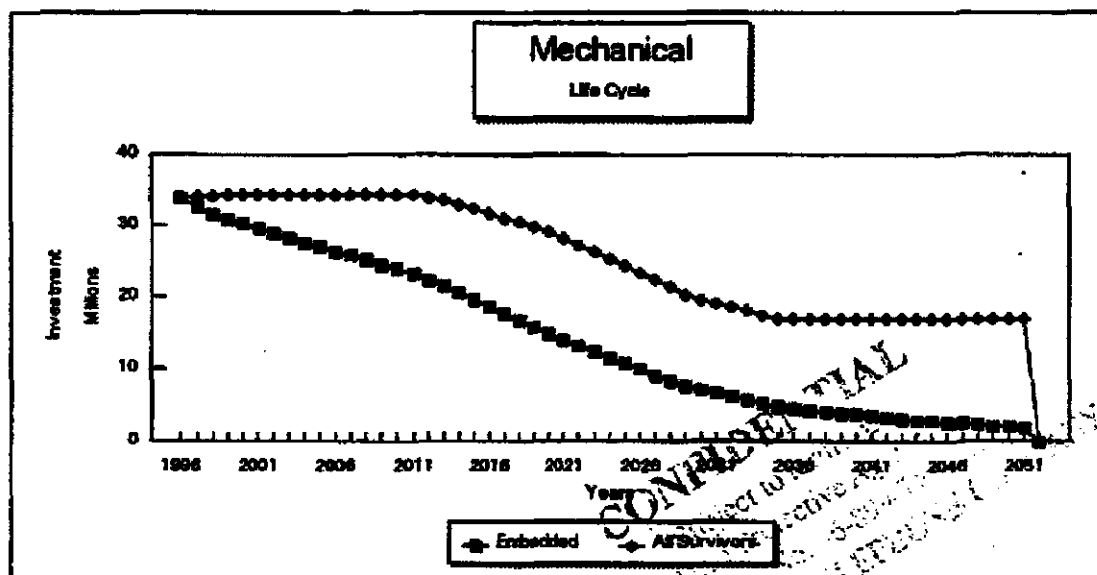
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Company: Cincinnati Bell Telephone
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Large Buildings - Mechanical

Most of the items classified as mechanical subsystems are related to the heating and cooling system of the building. As of 1/1/97, the mechanical subsystems product category represents 29.2% of the total large buildings investment. The vintage group average remaining life is 23.2 years for the mechanical subsystems. In the future, the mechanical subsystems will be upgraded and replaced as needed for the switching equipment or as required by government mandates.

Large Buildings Study Category - Mechanical



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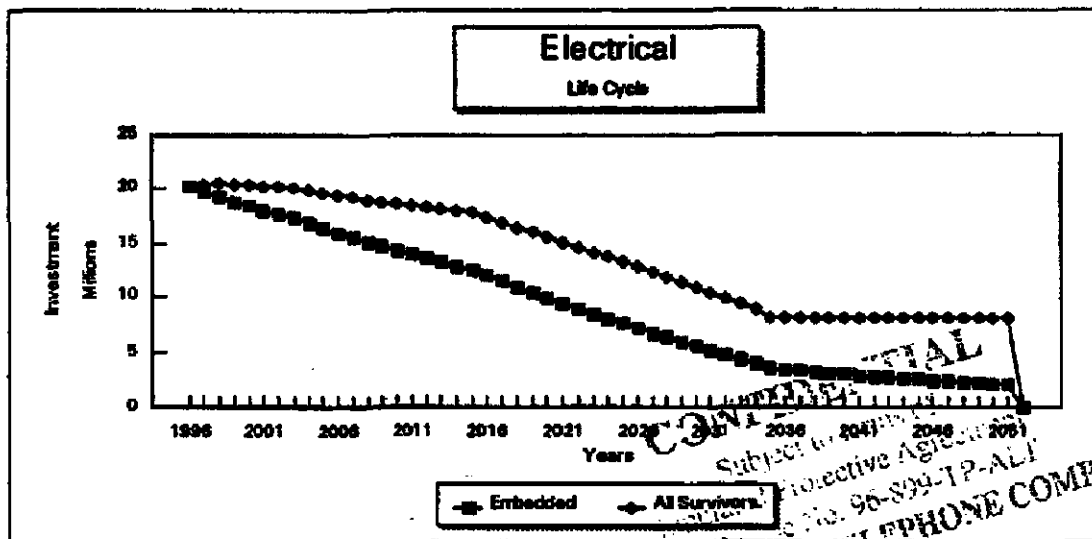
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Category: 10JC Buildings

Large Buildings - Electrical

The electrical subsystems product category represents 17.5% of the investment in the large buildings study category as of 1/1/97. The electrical subsystem components have a 25.1 year vintage group average remaining life for the large buildings study category. The electrical subsystem product category includes all components in the electrical systems, such as, wiring, outlets, jacks, lighting, and panels. CBT expects future interim retirements to result from regular upgrades and maintenance. The electrical subsystems are not greatly affected by technological changes.

Large Buildings Study Category - Electrical



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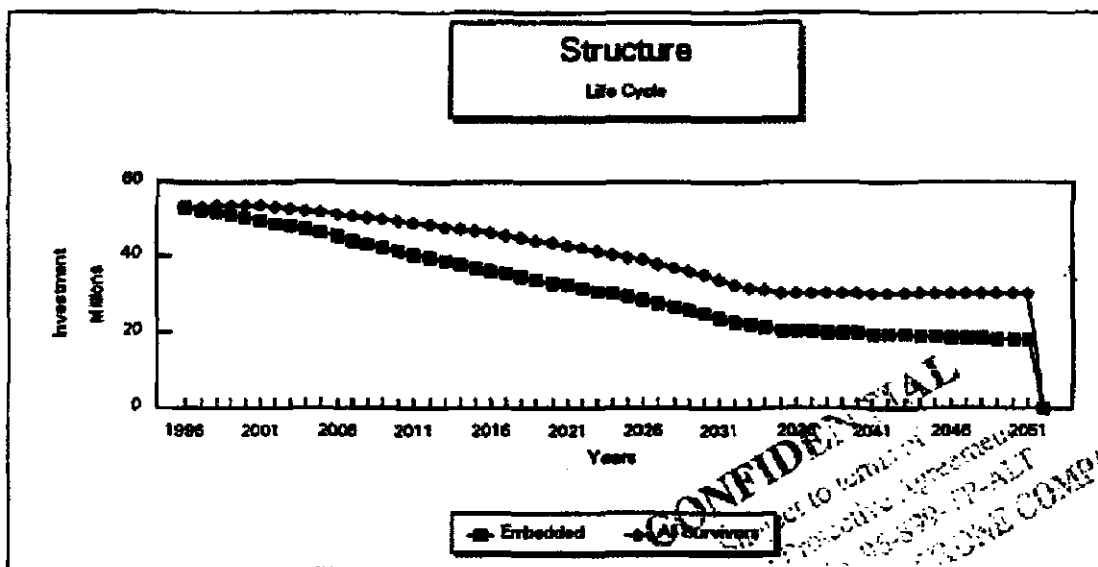
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Large Buildings - Structure

The structure product category represents 46.1% of the large buildings investment as of 1/1/97. Final retirements of the structures subsystem will be rare until all of the large buildings are retired in 2052. However, the company anticipates interim retirements of the structure subsystems. The structure product category includes items such as windows and frames, sidewalks, door and door frames, drywall, water lines, millwork, interior concrete block partitions, and custom shelving. The vintage group average remaining life for the structure product category is 33.0 years.

Large Buildings Study Category - Structure



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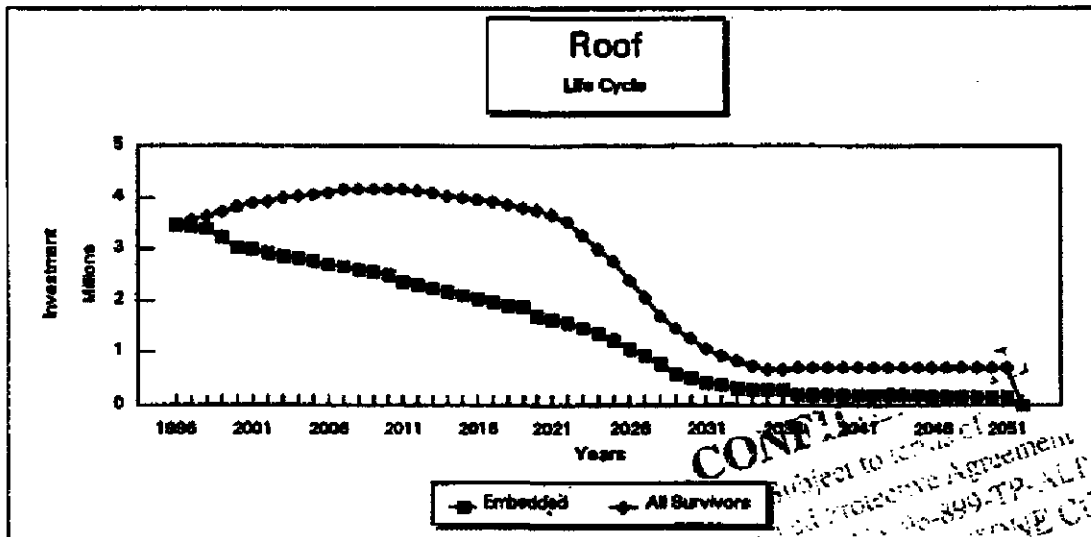
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Category: 10JC Buildings

Large Buildings - Roof

The Roof subsystem product category makes up 3.0% of the investment in the large buildings study category as of 1/1/97. The vintage group average remaining life for the roof product category is 22.7 years. This subsystem includes the roof systems, flashing, and gutters. In recent years, CBT has used roof systems which have a shorter life but are not as expensive to construct. Also, when these types of roof systems need to be replaced, the current system can often be used as a backup. CBT plans to continue to utilize these types of roofs in the future.

Large Buildings Study Category - Roof



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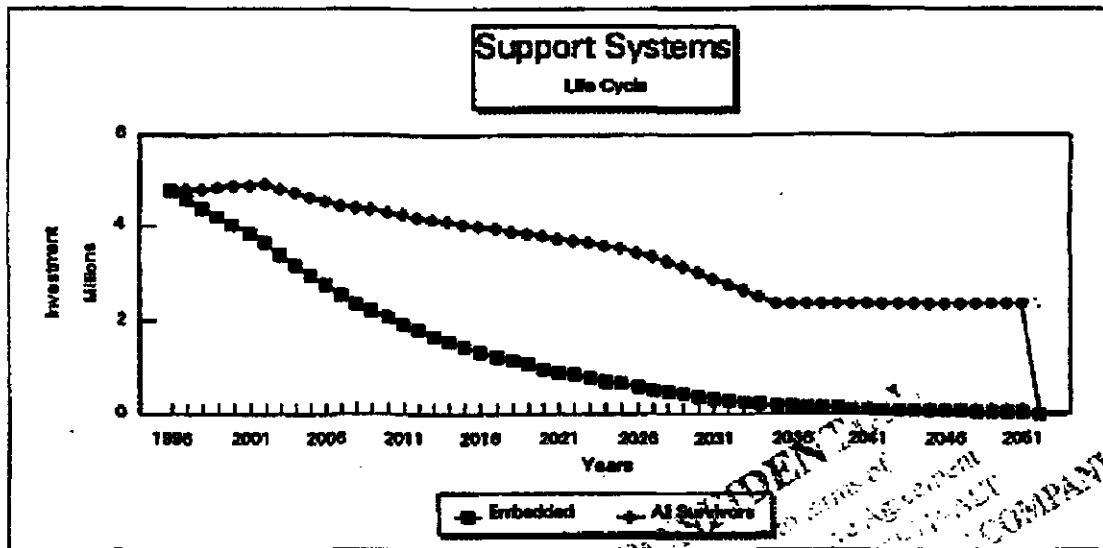
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Company: Cincinnati Bell Telephone
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Category: 10JC Buildings

Large Buildings - Support Systems

As of 1/1/97, the support systems product category represents 4.1% of the investment in the large buildings study category. The vintage group average remaining life is 15.1 years. Examples of items included in the support systems product category are floor coverings, raised floor coverings, ceiling, and tile grids, carpeting, fire alarm systems, and security systems. In 1994 and 1995, CBT replaced the security systems in the central offices. However, due to the technological advances of security equipment, these new systems along with the older systems in the other large buildings will need to be replaced in the future.

Large Buildings Study Category - Support Systems



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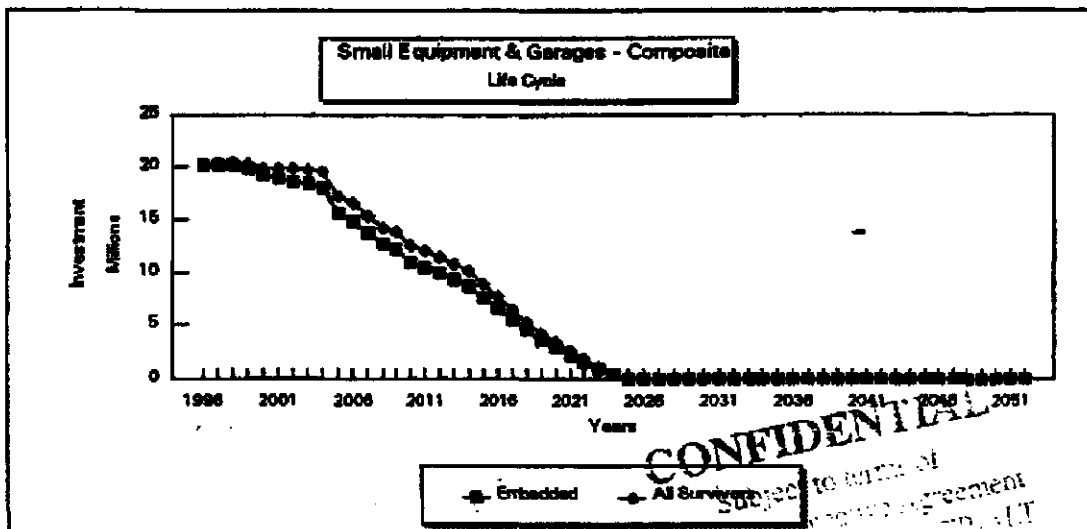
Small Equipment and Garages Study Category

Future Expectations

In the future, CBT expects the investment in the Buildings account to shift from the large buildings study category to the small equipment and garages study category. This shift will be attributed to the utilization of the more economical and efficient remote equipment buildings. These buildings will begin to replace the larger central offices as they are retired. As the number of remote equipment buildings increase, there will be a corresponding increase in additions and both interim and final retirements in order to keep up with the needed maintenance.

The following chart illustrates the composite life cycle for the small equipment and garages study category. The all survivors curve shows that the investment will peak in year 1999. After which, the investment will steadily decrease until all the buildings are retired in 2025.

Small Equipment and Garage Study Category



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Account: 2121.00 Buildings

Category: 10JC Buildings

The mechanical subsystem product category represents 11.8% of the small equipment and garages investment as of 1/1/97. The vintage group average remaining life is 16.3 years. CBT expects to repair and replace mechanical systems as required by new switching equipment requirements and/or government mandates. Items included in this product category are air compressors, water pumps, HVAC systems, furnaces, ducts, and humidifiers.

Mechanical Life Cycle

The graph displays investment trends for two categories: Embedded (represented by squares) and Survivors (represented by circles). Both categories show a steady decline in investment over time, with Embedded investment dropping more sharply after 2001. Survivors investment remains higher than Embedded investment until approximately 2018, after which it also declines rapidly. Both categories reach near-zero investment by 2025 and remain there through 2051.

Year	Embedded (Thousands)	Survivors (Thousands)
1996	2350	2400
2001	2100	2400
2006	1800	2200
2011	1400	1900
2016	800	1300
2021	200	500
2026	50	100
2031	20	50
2036	10	20
2041	5	10
2046	2	5
2051	1	2

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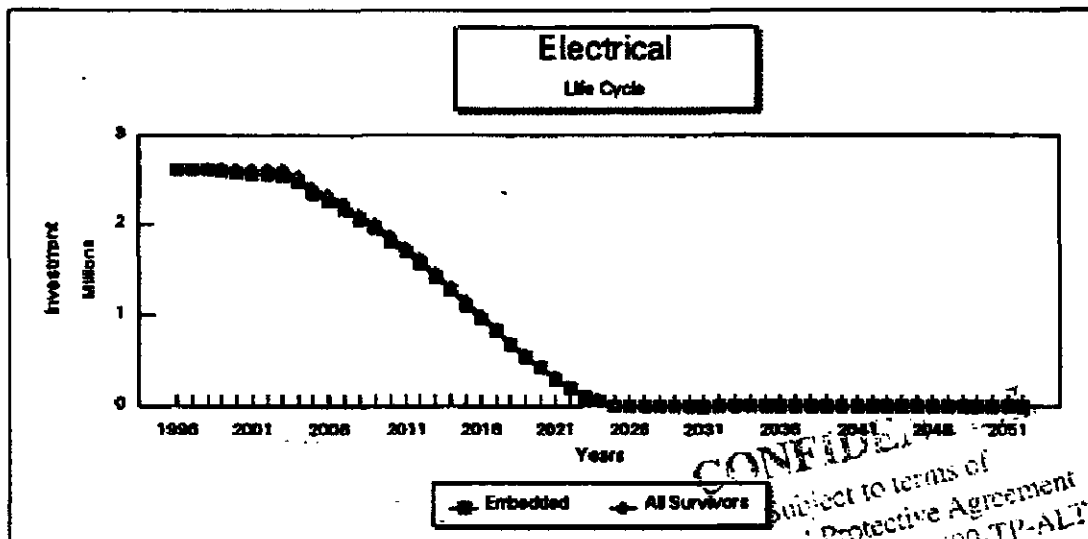
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Company: Cincinnati Bell Telephone
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Account: 2121.00 Buildings
Category: 10JC Buildings

Small Equipment and Garages - Electrical

As of 1/1/97, 12.9% of the small equipment and garages investment is comprised of the electrical subsystems product category. The vintage group average remaining life is 17.4 years. In the future, there may be a need to replace current electrical systems in order to support requirements for new switching equipment. However, CBT expects that the investment in the electrical subsystems will remain fairly steady until 2003. After 2003, the electrical systems will be retired steadily until the final retirement of the small equipment buildings and garages.

Small Equipment and Garages Study Category - Electrical



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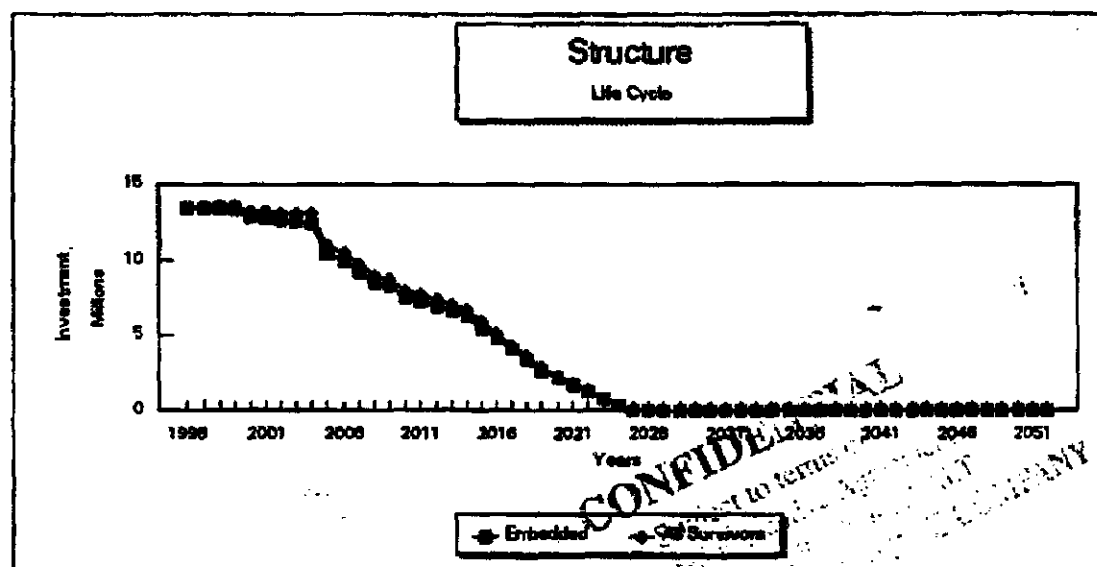
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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2121.00 Buildings
Category: 10JC Buildings

Small Equipment and Garages - Structure

The structure product category is the largest single subsystem investment at 66.5%. The vintage group average remaining life is 16.2 years. Interim retirements will occur in this product category as the small equipment buildings are repaired and/or replaced and regular maintenance is performed on the garages. After the year 2006, CBT expects to experience a steady decrease in the investment until the buildings reach final retirement.

Small Equipment and Garages Study Category - Structure



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DESTROY BY SHREDDING
DO NOT DUPLICATE

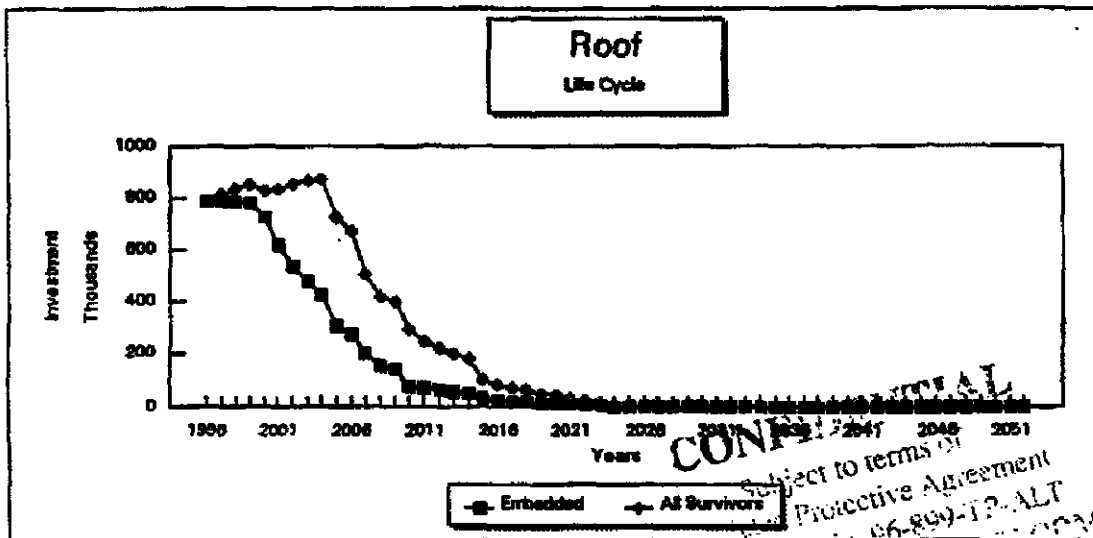
February 18, 1997
Page 14

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2121.00 Buildings
Category: 10JC Buildings

Small Equipment and Garages - Roof

The roof product category represents 3.9% of the small equipment and garages investment. The vintage group average remaining life is 9.0 years. The investment in the roof product category is expected to peak in 2004. In the next few years following this, CBT expects there to be a sharp increase in the number of retirements. These retirements will level off around 2010 until the final retirement of the buildings.

Small Equipment and Garages Study Category - Roof



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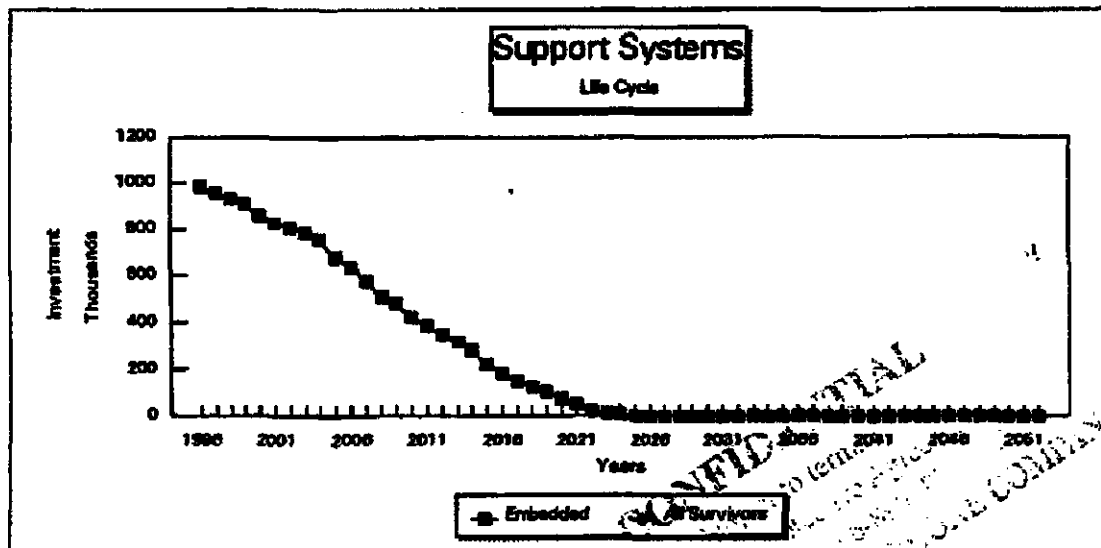
February 18, 1997
Page 15

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2121.00 Buildings
Category: 10JC Buildings

Small Equipment and Garages - Support System

As of 1/1/97, the support system product category makes up 4.9% of the small equipment and garages investment. The vintage group average remaining life is 13.2 years. CBT does not expect to have any additions to the support systems product category. The support subsystems will experience a steady flow of retirements until the final retirement of the small equipment buildings and garages.

Small Equipment and Garages Study Category - Support System



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DESTROY BY SHREDDING
DO NOT DUPLICATE

February 18, 1997
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12/31/96
01:25 PM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE

REMAINING LIFE COMPOSITE
12-31-96
(\$000)

PRODUCT TYPE	SURVIVING AMOUNT	ESTIMATED REMAINING LIFE	DIRECT WEIGHT
-----	-----	-----	-----
	A	B	C=(B*A)
BUILDING ELECTRICAL	20,232	25.1	507,166.6
BUILDING MECHANICAL	33,789	23.2	782,386.7
BUILDING ROOF	3,483	22.7	79,016.9
BUILDING STRUCTURE	53,362	23.0	1,221,286.5
BUILDING SUBSYSTEMS	4,772	15.1	71,990.4
TOTAL :	115,638	27.7	3,203,428.2

COMPOSITE REMAINING LIFE (TOTAL C / TOTAL A) = 27.7 YEARS

* USE CATEGORY COMPOSITE REMAINING LIFE

ESTIMATED

12/31/96
01:25 PM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE

FORECASTED RETIREMENTS OF EXISTING INVESTMENT
12-31-96
(\$000)

ACTIVITY YEAR	SURVIVORS BEG OF YEAR BALANCE	RETIREMENTS	RETIREMENT PERCENT	GROSS ADDITIONS
	A	B = A - next A	C=(B/A)*100	D
1997	115,637,930	2,631,937	2.3	3,220,000
1998	113,005,993	2,634,779	2.3	3,520,000
1999	110,371,214	2,184,534	2.0	2,355,000
2000	108,186,680	2,068,611	1.9	2,290,000
2001	106,118,069	1,870,273	1.8	2,065,000
2002	104,247,796	2,145,191	2.1	2,065,000
2003	102,102,605	2,199,348	2.2	2,065,000
2004	99,903,257	2,252,504	2.3	2,090,000
2005	97,650,753	2,296,704	2.4	2,090,000
2006	95,354,049	2,251,084	2.4	2,090,000
2007	93,102,965	2,237,070	2.4	2,075,000
2008	90,865,895	2,164,518	2.4	2,035,000
2009	88,701,377	2,158,346	2.4	2,060,000
2010	86,543,031	2,132,743	2.5	2,110,000
2011	84,410,288	2,217,479	2.6	2,285,000
2012	82,192,809	2,334,619	2.8	2,210,000
2013	79,858,190	2,365,343	3.0	2,235,000
2014	77,492,847	2,440,057	3.1	2,235,000
2015	75,052,790	2,385,255	3.2	2,285,000
2016	72,667,535	2,426,107	3.3	1,985,000
2017	70,241,428	2,450,223	3.5	1,985,000
2018	67,791,205	2,395,597	3.5	2,015,000
2019	65,395,608	2,341,677	3.6	1,965,000
2020	63,053,931	2,394,105	3.8	2,165,000
2021	60,659,826	2,228,873	3.7	1,705,000
2022	58,430,953	2,206,221	3.8	1,705,000
2023	56,224,732	2,281,200	4.1	1,690,000
2024	53,943,532	2,235,859	4.1	1,690,000
2025	51,707,673	2,235,243	4.3	1,690,000
2026	49,472,430	2,240,034	4.5	1,650,000
2027	47,232,396	2,410,372	5.1	1,650,000
2028	44,822,024	2,294,785	5.1	1,660,000
2029	42,527,239	2,269,411	5.3	1,850,000
2030	40,257,828	2,027,593	5.0	1,660,000
2031	38,230,235	1,998,046	5.2	1,575,000
2032	36,232,189	1,937,314	5.3	1,575,000
2033	34,294,875	1,613,244	4.7	1,575,000
2034	32,681,631	1,678,430	5.1	1,695,000
2035	31,003,201	1,576,496	5.1	1,695,000
2036	29,426,705	568,470	1.9	1,695,000
2037	28,858,235	631,047	2.2	1,970,000
2038	28,227,188	527,318	1.9	1,695,000
2039	27,699,870	508,263	1.8	1,695,000

CONFIDENTIAL
Subject to review
by the
CINCINNATI BELL TELEPHONE COMPANY

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE

ACTIVITY YEAR	SURVIVORS BEG OF YEAR BALANCE	RETIREMENTS	RETIREMENT PERCENT	GROSS ADDITIONS
	A	B = A - next A	C=(B/A)*100	D
2040	27,191,607	490,144	1.8	1,695,000
2041	26,701,463	472,909	1.8	1,695,000
2042	26,228,554	456,511	1.7	1,695,000
2043	25,772,043	441,264	1.7	1,705,000
2044	25,330,779	426,329	1.7	1,705,000
2045	24,904,450	412,111	1.7	1,705,000
2046	24,492,339	443,644	1.8	1,905,000
2047	24,048,695	385,663	1.6	1,705,000
2048	23,663,032	373,363	1.6	1,705,000
2049	23,289,669	361,632	1.6	1,705,000
2050	22,928,037	350,443	1.5	1,705,000
2051	22,577,594	339,765	1.5	1,705,000
2052	22,237,829	22,237,829	100.0	0

412,111	1.7	1,705,000
443,644	1.6	1,903,000
385,663	1.6	1,705,000
373,383	1.6	1,705,000
361,632	1.6	1,705,000
350,443	1.5	1,705,000
339,765	1.5	1,705,000
22,237,829	100.0	1,705,000

CONFIDENTIAL

Subject to agreement

Estimated Profit

PLCO Case No. 195-11

CINCINNATI BELL TELEPHONE CO.

12/31/96
11:46 AM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING MECHANICAL
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
1996	33,788,932					33,788,932
1997	34,038,932	1,450,000	1,200,000	34,513,932	0.03477	32,614,139
1998	34,188,932	1,300,000	1,150,000	34,688,932	0.03315	31,532,922
1999	34,218,932	800,000	770,000	34,588,932	0.02226	30,830,953
2000	34,248,932	800,000	770,000	34,618,932	0.02224	30,145,206
2001	34,278,932	800,000	770,000	34,648,932	0.02222	29,475,292
2002	34,293,932	800,000	785,000	34,678,932	0.02264	28,808,083
2003	34,308,932	800,000	785,000	34,693,932	0.02263	28,156,259
2004	34,333,932	825,000	800,000	34,721,432	0.02304	27,507,524
2005	34,358,932	825,000	800,000	34,746,432	0.02302	26,874,192
2006	34,383,932	825,000	800,000	34,771,432	0.02301	26,255,887
2007	34,383,933	825,000	824,999	34,796,432	0.02371	25,633,378
2008	34,383,933	825,000	825,000	34,796,433	0.02371	25,025,628
2009	34,358,933	850,000	875,000	34,808,933	0.02514	24,396,553
2010	34,308,933	850,000	900,000	34,783,933	0.02587	23,765,316
2011	34,208,933	850,000	950,000	34,733,933	0.02735	23,115,316
2012	33,858,933	950,000	1,300,000	34,683,933	0.03748	22,248,923
2013	33,508,933	950,000	1,300,000	34,333,933	0.03786	21,406,503
2014	32,958,933	950,000	1,500,000	33,983,933	0.04414	20,461,652
2015	32,458,933	1,000,000	1,500,000	33,458,933	0.04483	19,544,334
2016	31,758,933	1,000,000	1,700,000	32,958,933	0.05158	18,536,250
2017	31,058,933	1,000,000	1,700,000	32,258,933	0.05270	17,559,416
2018	30,408,932	1,050,000	1,700,001	31,583,933	0.05382	16,614,283
2019	29,708,932	1,000,000	1,700,000	30,908,932	0.05500	15,700,493
2020	28,958,932	950,000	1,700,000	30,183,932	0.05632	14,816,220
2021	28,058,931	800,000	1,700,001	29,358,932	0.05790	13,958,301
2022	27,158,931	800,000	1,700,000	28,458,931	0.05974	13,124,499
2023	26,258,930	800,000	1,700,001	27,558,931	0.06169	12,314,901
2024	25,358,930	800,000	1,700,000	26,658,930	0.06377	11,529,598
2025	24,358,930	800,000	1,800,000	25,758,930	0.06988	10,723,925
2026	23,358,931	800,000	1,799,999	24,758,930	0.07270	9,944,285
2027	22,358,931	800,000	1,800,000	23,758,931	0.07576	9,190,896
2028	21,358,932	800,000	1,799,999	22,758,931	0.07909	8,463,990
2029	20,358,931	800,000	1,800,001	21,758,932	0.08272	7,763,809
2030	19,608,930	800,000	1,550,001	20,758,931	0.07467	7,184,111
2031	19,108,929	800,000	1,300,001	20,008,930	0.06497	6,717,352
2032	18,608,930	800,000	1,299,999	19,508,929	0.06664	6,269,734
2033	18,047,290	800,000	1,361,640	18,008,930	0.07163	5,820,623
2034	17,497,291	920,000	1,469,999	17,507,290	0.07943	5,358,302
2035	16,947,292	920,000	1,469,999	17,057,291	0.08186	4,919,667
2036	16,947,293	920,000	919,999	17,407,292	0.05285	4,659,656
2037	16,947,294	920,000	919,999	17,407,293	0.05285	4,413,387
2038	16,947,293	920,000	920,001	17,407,294	0.05285	4,180,133

REC'D
CINCINNATI BELL

12/31/96
11:46 AM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING MECHANICAL
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
2039	16,947,293	920,000	920,000	17,407,293	0.05285	3,959,207
2040	16,947,292	920,000	920,001	17,407,293	0.05285	3,749,957
2041	16,947,290	920,000	920,002	17,407,292	0.05285	3,551,766
2042	16,947,289	920,000	920,001	17,407,290	0.05285	3,364,050
2043	16,947,288	920,000	920,001	17,407,289	0.05285	3,186,255
2044	16,947,289	920,000	919,999	17,407,288	0.05285	3,017,857
2045	16,947,289	920,000	920,000	17,407,289	0.05285	2,858,359
2046	16,947,291	920,000	919,998	17,407,289	0.05285	2,707,291
2047	16,947,292	920,000	919,999	17,407,291	0.05285	2,564,207
2048	16,947,292	920,000	920,000	17,407,292	0.05285	2,428,685
2049	16,947,295	920,000	919,997	17,407,294	0.05285	2,300,326
2050	16,947,298	920,000	919,997	17,407,295	0.05285	2,178,751
2051	16,947,298	920,000	920,000	17,407,298	0.05285	2,063,601
2052	0	0	16,947,298	16,947,298	1.00000	0

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES =
(TOTAL COL. F / 1ST F) - 0.5 = (799,281,135 / 13,788,932) - .5 = 23.155

* SURVIVORS (ALL VINT) AT END OF PREVIOUS YEAR, PLUS 1/2 CURRENT
YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)

RETIREMENTS / EXPOSURES (ALL VINT).

@ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL
RATE (1- RET. RATIO)

12/31/96
11:35 AM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING ELECTRICAL
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E†	F‡
1996	20,231,627					20,231,627
1997	20,436,627	650,000	445,000	20,556,627	0.02165	19,793,862
1998	20,506,627	600,000	530,000	20,736,627	0.02556	19,287,763
1999	20,431,627	475,000	550,000	20,744,127	0.02651	18,776,376
2000	20,351,628	325,000	404,999	20,594,127	0.01967	18,407,124
2001	20,271,627	325,000	405,001	20,514,128	0.01974	18,043,721
2002	20,166,627	325,000	430,000	20,434,127	0.02104	17,664,023
2003	20,061,627	325,000	430,000	20,329,127	0.02115	17,290,395
2004	19,856,627	325,000	530,000	20,224,127	0.02621	16,837,277
2005	19,651,626	325,000	530,001	20,019,127	0.02647	16,391,515
2006	19,446,626	325,000	530,000	19,814,126	0.02675	15,953,065
2007	19,216,626	300,000	530,000	19,596,626	0.02705	15,521,607
2008	18,986,626	300,000	530,000	19,366,626	0.02737	15,096,832
2009	18,756,625	300,000	530,001	19,136,626	0.02770	14,678,716
2010	18,581,625	300,000	475,000	18,906,625	0.02512	14,309,936
2011	18,406,625	300,000	475,000	18,731,625	0.02536	13,947,062
2012	18,231,626	300,000	474,999	18,556,625	0.02560	13,590,055
2013	18,081,626	325,000	475,000	18,394,126	0.02582	13,239,113
2014	17,931,625	325,000	475,001	18,244,126	0.02604	12,894,422
2015	17,781,626	325,000	474,999	18,094,125	0.02625	12,555,923
2016	17,331,625	325,000	775,001	17,944,126	0.04319	12,013,637
2017	16,881,625	325,000	775,000	17,494,125	0.04430	11,481,426
2018	16,431,625	325,000	775,000	17,044,125	0.04547	10,959,363
2019	15,981,625	325,000	775,000	16,594,125	0.04670	10,447,525
2020	15,531,625	325,000	775,000	16,144,125	0.04801	9,945,991
2021	15,081,625	325,000	775,000	15,694,125	0.04938	9,454,843
2022	14,631,625	325,000	775,000	15,244,125	0.05084	8,974,166
2023	14,166,625	310,000	775,000	14,786,625	0.05241	8,503,810
2024	13,701,625	310,000	775,000	14,321,625	0.05411	8,043,635
2025	13,236,625	310,000	775,000	13,856,625	0.05593	7,593,755
2026	12,771,625	310,000	775,000	13,391,625	0.05787	7,154,289
2027	12,306,624	310,000	775,001	12,926,625	0.05995	6,725,362
2028	11,841,625	320,000	784,999	12,466,624	0.06297	6,301,879
2029	11,376,625	320,000	785,000	12,001,625	0.06541	5,889,687
2030	10,911,625	320,000	785,000	11,536,625	0.06804	5,488,928
2031	10,411,625	285,000	785,000	11,054,125	0.07101	5,099,136
2032	9,911,625	285,000	785,000	10,554,125	0.07438	4,719,870
2033	9,411,625	285,000	785,000	10,054,125	0.07808	4,351,355
2034	8,911,626	285,000	784,999	9,554,125	0.08216	3,993,833
2035	8,089,782	285,000	1,106,844	9,054,126	0.12225	3,505,597
2036	8,089,782	285,000	285,000	8,232,282	0.03462	3,384,234
2037	8,089,781	285,000	285,001	8,232,282	0.03462	3,267,072
2038	8,089,782	285,000	284,999	8,232,281	0.03462	3,153,967

CINCINNATI

12/31/96
11:35 AM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING ELECTRICAL
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
2039	8,089,781	285,000	285,001	8,232,282	0.03462	3,044,777
2040	8,089,780	285,000	285,001	8,232,281	0.03462	2,939,367
2041	8,089,781	285,000	284,999	8,232,280	0.03462	2,837,607
2042	8,089,782	285,000	284,999	8,232,281	0.03462	2,739,370
2043	8,089,783	285,000	284,999	8,232,282	0.03462	2,644,534
2044	8,089,784	285,000	284,999	8,232,283	0.03462	2,552,981
2045	8,089,783	285,000	285,001	8,232,284	0.03462	2,464,597
2046	8,089,783	285,000	285,000	8,232,283	0.03462	2,379,273
2047	8,089,783	285,000	285,000	8,232,283	0.03462	2,296,903
2048	8,089,784	285,000	284,999	8,232,283	0.03462	2,217,385
2049	8,089,786	285,000	284,998	8,232,284	0.03462	2,140,620
2050	8,089,785	285,000	285,001	8,232,286	0.03462	2,066,512
2051	8,089,786	285,000	284,999	8,232,285	0.03462	1,994,970
2052	0	0	8,089,786	8,089,786	1.00000	0

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES =

(TOTAL COL. F / 1ST F) - 0.5 = (517,282,470

* SURVIVORS (ALL VINT) AT END OF PERVIOUS YEAR, PLUS 1/2 CURRENT YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)
RETIREMENTS / EXPOSURES (ALL VINT).

@ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL RATE (1- RET. RATIO)

CONFIDENTIAL
Subject to terms and conditions of the
Standard Protective Agreement
BUCO Case 20-231-627
CINCINNATI BELL TELEPHONE COMPANY
25.068

12/31/96
12:03 AM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING STRUCTURE
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
1996	53,361,791					53,361,791
1997	53,336,791	775,000	800,000	53,749,291	0.01488	52,567,559
1998	53,761,791	1,275,000	850,000	53,974,291	0.01575	51,739,713
1999	53,686,791	575,000	650,000	54,049,291	0.01203	51,117,488
2000	53,611,791	575,000	650,000	53,974,291	0.01204	50,501,892
2001	53,536,791	575,000	650,000	53,899,291	0.01206	49,892,863
2002	53,161,791	575,000	950,000	53,824,291	0.01765	49,012,253
2003	52,786,791	575,000	950,000	53,449,291	0.01777	48,141,116
2004	52,411,791	575,000	950,000	53,074,291	0.01790	47,279,417
2005	51,936,791	575,000	1,050,000	52,699,291	0.01992	46,337,405
2006	51,461,791	575,000	1,050,000	52,224,291	0.02011	45,405,764
2007	50,986,791	575,000	1,050,000	51,749,291	0.02029	44,484,475
2008	50,511,792	575,000	1,049,999	51,274,291	0.02048	43,573,518
2009	50,036,792	575,000	1,050,000	50,799,292	0.02067	42,672,872
2010	49,561,792	625,000	1,100,000	50,349,292	0.02185	41,740,582
2011	49,086,792	625,000	1,100,000	49,874,292	0.02206	40,819,975
2012	48,611,792	625,000	1,100,000	49,399,292	0.02227	39,911,015
2013	48,036,792	625,000	1,200,000	48,924,292	0.02453	38,932,090
2014	47,461,792	625,000	1,200,000	48,349,292	0.02482	37,965,819
2015	46,886,792	625,000	1,200,000	47,774,292	0.02512	37,012,189
2016	46,311,791	325,000	900,001	47,049,292	0.01913	36,304,187
2017	45,636,791	325,000	1,000,000	46,474,291	0.02152	35,523,020
2018	44,961,791	325,000	1,000,000	45,799,291	0.02183	34,747,396
2019	44,286,792	325,000	999,999	45,124,291	0.02216	33,977,359
2020	43,611,792	325,000	1,000,000	44,449,292	0.02250	33,212,952
2021	42,936,792	325,000	1,000,000	43,774,292	0.02284	32,454,220
2022	42,261,791	325,000	1,000,001	43,099,292	0.02320	31,701,209
2023	41,486,791	325,000	1,100,000	42,424,291	0.02593	30,879,243
2024	40,711,791	325,000	1,100,000	41,649,291	0.02641	30,063,691
2025	39,936,792	325,000	1,099,999	40,874,291	0.02691	29,254,624
2026	39,136,792	300,000	1,100,000	40,086,792	0.02744	28,451,864
2027	38,036,792	300,000	1,400,000	39,286,792	0.03564	27,437,971
2028	37,036,792	300,000	1,300,000	38,186,792	0.03404	26,503,895
2029	36,036,792	300,000	1,300,000	37,186,792	0.03496	25,577,355
2030	35,036,792	300,000	1,300,000	36,186,792	0.03592	24,658,496
2031	33,836,792	250,000	1,450,000	35,161,792	0.04124	23,641,630
2032	32,636,792	250,000	1,450,000	33,961,792	0.04270	22,632,250
2033	31,847,424	250,000	1,039,368	32,761,792	0.03172	21,914,242
2034	30,947,424	250,000	1,150,000	31,972,424	0.03597	21,126,020
2035	30,322,424	250,000	875,000	31,072,424	0.02816	20,531,111
2036	30,322,425	250,000	249,999	30,447,424	0.00821	20,362,533
2037	30,322,425	250,000	250,000	30,447,425	0.00821	20,195,339
2038	30,322,426	250,000	249,999	30,447,425	0.00821	20,029,518

CINCINNATI BELL

12/31/96
12:03 AM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING STRUCTURE
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E†	F‡
2039	30,322,426	250,000	250,000	30,447,426	0.00821	19,865,058
2040	30,322,425	250,000	250,001	30,447,426	0.00821	19,701,948
2041	30,322,425	250,000	250,000	30,447,425	0.00821	19,540,178
2042	30,322,425	250,000	250,000	30,447,425	0.00821	19,379,736
2043	30,322,424	250,000	250,001	30,447,425	0.00821	19,220,611
2044	30,322,424	250,000	250,000	30,447,424	0.00821	19,062,793
2045	30,322,424	250,000	250,000	30,447,424	0.00821	18,906,271
2046	30,322,424	250,000	250,000	30,447,424	0.00821	18,751,034
2047	30,322,425	250,000	249,999	30,447,424	0.00821	18,597,072
2048	30,322,425	250,000	250,000	30,447,425	0.00821	18,444,374
2049	30,322,426	250,000	249,999	30,447,425	0.00821	18,292,930
2050	30,322,426	250,000	250,000	30,447,426	0.00821	18,142,729
2051	30,322,425	250,000	250,001	30,447,425	0.00821	17,993,761
2052	0	0	30,322,425	30,322,425	1.00000	

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES = $\frac{\text{TOTAL COL. F} / \text{1ST F} - 0.5}{.5} = (1789548416 / 3617917) - 0.5 = 33.036$

* SURVIVORS (ALL VINT) AT END OF PREVIOUS YEAR, PLUS 1/2 CURRENT YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)

† RETIREMENTS / EXPOSURES (ALL VINT).

‡ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL RATE (1- RET. RATIO)

12/31/96
11:54 AM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING ROOF
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
1996	3,483,104					3,483,104
1997	3,563,104	120,000	40,000	3,543,104	0.01129	3,443,781
1998	3,643,104	120,000	40,000	3,623,104	0.01104	3,405,761
1999	3,733,105	270,000	179,999	3,778,104	0.04764	3,243,501
2000	3,828,105	345,000	250,000	3,905,605	0.06401	3,035,883
2001	3,888,105	120,000	60,000	3,888,105	0.01543	2,989,034
2002	3,948,105	120,000	60,000	3,948,105	0.01520	2,943,609
2003	3,988,105	120,000	80,000	4,008,105	0.01996	2,884,856
2004	4,028,106	120,000	79,999	4,048,105	0.01976	2,827,845
2005	4,068,106	120,000	80,000	4,088,106	0.01957	2,772,507
2006	4,108,107	120,000	79,999	4,128,106	0.01938	2,718,778
2007	4,148,106	120,000	80,001	4,168,107	0.01919	2,666,595
2008	4,148,105	80,000	80,001	4,188,106	0.01910	2,615,658
2009	4,148,104	80,000	80,001	4,188,105	0.01910	2,565,694
2010	4,148,104	80,000	80,000	4,188,104	0.01910	2,516,685
2011	4,163,103	255,000	240,001	4,275,604	0.05613	2,375,417
2012	4,123,103	80,000	120,000	4,203,103	0.02855	2,307,598
2013	4,083,102	80,000	120,001	4,163,103	0.02882	2,241,082
2014	4,043,102	80,000	120,000	4,123,102	0.02910	2,175,857
2015	4,003,102	80,000	120,000	4,083,102	0.02939	2,111,910
2016	3,963,102	80,000	120,000	4,043,102	0.02968	2,049,228
2017	3,923,102	80,000	120,000	4,003,102	0.02998	1,987,799
2018	3,863,103	60,000	119,999	3,953,102	0.03036	1,927,458
2019	3,803,104	60,000	119,999	3,893,103	0.03082	1,868,047
2020	3,768,105	310,000	344,999	3,958,104	0.08716	1,705,223
2021	3,668,105	0	100,000	3,768,105	0.02654	1,659,969
2022	3,518,105	0	150,000	3,668,105	0.04089	1,592,088
2023	3,268,106	0	249,999	3,518,105	0.07106	1,478,953
2024	3,018,107	0	249,999	3,268,106	0.07650	1,365,818
2025	2,768,108	0	249,999	3,018,107	0.08283	1,252,683
2026	2,418,107	0	350,001	2,768,108	0.12644	1,094,293
2027	2,068,106	0	350,001	2,418,107	0.14474	935,903
2028	1,718,105	0	350,001	2,068,106	0.16924	777,513
2029	1,483,104	190,000	425,001	1,813,105	0.23441	595,260
2030	1,283,104	0	200,000	1,483,104	0.13485	514,988
2031	1,083,105	0	199,999	1,283,104	0.15587	434,716
2032	933,105	0	150,000	1,083,105	0.13849	344,512
2033	833,105	0	100,000	933,105	0.10717	234,376
2034	743,104	0	90,001	833,105	0.10803	298,253
2035	690,573	0	52,531	743,104	0.07069	277,169
2036	690,573	0	0	690,573	0.00000	277,169
2037	715,573	275,000	250,000	828,073	0.30191	193,490
2038	715,573	0	0	715,573	0.00000	193,490

CONFIDENTIAL
CINCINNATI BELL TELEPHONE
PROPERTY

12/31/96
11:54 AM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING ROOF
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
2039	715,573	0	0	715,573	0.00000	193,490
2040	715,573	0	0	715,573	0.00000	193,490
2041	715,573	0	0	715,573	0.00000	193,490
2042	715,573	0	0	715,573	0.00000	193,490
2043	715,573	0	0	715,573	0.00000	193,490
2044	715,573	0	0	715,573	0.00000	193,490
2045	715,573	0	0	715,573	0.00000	193,490
2046	725,575	200,000	189,998	815,573	0.23296	148,414
2047	725,575	0	0	725,575	0.00000	148,414
2048	725,575	0	0	725,575	0.00000	148,414
2049	725,575	0	0	725,575	0.00000	148,414
2050	725,575	0	0	725,575	0.00000	148,414
2051	725,575	0	0	725,575	0.00000	148,414
2052	0	0	725,575	725,575	0.00000	0

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES =

(TOTAL COL. F / 1ST F) - 0.5 = (80,758,467 /

* SURVIVORS (ALL VINT) AT END OF PERVIOUS YEAR, PLUS 1/2 CURRENT
YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)

RETIREMENTS / EXPOSURES (ALL VINT).

@ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL
RATE (1- RET. RATIO)

CONFIDENTIAL
Stipulated Perpetual Agreement
P21-493,104
CINCINNATI BELL TELEPHONE COMPANY

12/31/96
12:09 AM
KREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING SUBSYSTEMS
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
1996	4,772,476					4,772,476
1997	4,807,476	225,000	190,000	4,884,976	0.03989	4,586,852
1998	4,837,476	225,000	195,000	4,919,976	0.03963	4,405,055
1999	4,862,477	235,000	209,999	4,954,976	0.04238	4,218,362
2000	4,882,477	245,000	225,000	4,984,977	0.04514	4,027,964
2001	4,902,477	245,000	225,000	5,004,977	0.04496	3,846,886
2002	4,922,478	245,000	224,999	5,024,977	0.04478	3,674,637
2003	4,832,478	245,000	335,000	5,044,978	0.06640	3,430,631
2004	4,742,478	245,000	335,000	4,954,978	0.06761	3,198,690
2005	4,652,478	245,000	335,000	4,864,978	0.06886	2,978,430
2006	4,562,478	245,000	335,000	4,774,978	0.07016	2,769,471
2007	4,462,477	255,000	355,001	4,689,978	0.07569	2,559,840
2008	4,412,477	255,000	305,000	4,589,977	0.06645	2,389,741
2009	4,362,477	255,000	305,000	4,539,977	0.06718	2,229,196
2010	4,312,477	255,000	305,000	4,489,977	0.06793	2,077,769
2011	4,262,478	255,000	304,999	4,439,977	0.06869	1,935,039
2012	4,212,477	255,000	305,001	4,389,978	0.06948	1,800,599
2013	4,162,478	255,000	304,999	4,339,977	0.07028	1,674,059
2014	4,112,477	255,000	305,001	4,289,978	0.07110	1,555,040
2015	4,062,476	255,000	305,001	4,239,977	0.07193	1,443,179
2016	4,012,476	255,000	305,000	4,189,976	0.07279	1,338,126
2017	3,962,477	255,000	304,999	4,139,976	0.07367	1,239,544
2018	3,912,477	255,000	305,000	4,089,977	0.07457	1,147,108
2019	3,862,479	255,000	304,998	4,039,977	0.07550	1,060,507
2020	3,812,478	255,000	305,001	3,989,979	0.07644	979,440
2021	3,762,478	255,000	305,000	3,939,978	0.07741	903,620
2022	3,712,477	255,000	305,001	3,889,978	0.07841	832,770
2023	3,662,476	255,000	305,001	3,839,977	0.07943	766,625
2024	3,612,478	255,000	304,998	3,789,976	0.08047	704,931
2025	3,562,478	255,000	305,000	3,739,978	0.08155	647,443
2026	3,462,477	240,000	340,001	3,682,478	0.09233	587,665
2027	3,362,478	240,000	339,999	3,582,477	0.09491	531,892
2028	3,262,475	240,000	340,003	3,482,478	0.09763	479,962
2029	3,162,474	240,000	340,001	3,382,475	0.09852	431,717
2030	3,037,478	240,000	364,996	3,282,474	0.11120	383,712
2031	2,912,474	240,000	365,004	3,157,478	0.11560	339,355
2032	2,787,474	240,000	365,000	3,032,474	0.12036	289,509
2033	2,662,478	240,000	364,996	2,907,474	0.12554	261,035
2034	2,537,479	240,000	364,999	2,782,478	0.13118	226,793
2035	2,383,391	240,000	394,088	2,657,479	0.14829	193,161
2036	2,383,395	240,000	239,996	2,503,391	0.09587	174,643
2037	2,383,395	240,000	240,000	2,503,395	0.09587	157,900
2038	2,383,393	240,000	240,002	2,503,395	0.09587	142,762

CINCINNATI

12/31/96
12:09 AM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PRODUCT: BUILDING SUBSYSTEMS
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
2039	2,383,386	240,000	240,007	2,503,393	0.09587	129,075
2040	2,383,395	240,000	239,991	2,503,386	0.09587	116,701
2041	2,383,397	240,000	239,998	2,503,395	0.09587	105,513
2042	2,383,385	240,000	240,012	2,503,397	0.09587	95,397
2043	2,383,380	250,000	250,005	2,508,385	0.09967	85,889
2044	2,383,386	250,000	249,994	2,508,380	0.09966	77,329
2045	2,383,388	250,000	249,998	2,508,386	0.09967	69,622
2046	2,383,385	250,000	250,003	2,508,388	0.09967	62,683
2047	2,383,399	250,000	249,986	2,508,385	0.09966	56,436
2048	2,383,386	250,000	250,013	2,508,399	0.09967	50,811
2049	2,383,392	250,000	249,994	2,508,386	0.09966	45,747
2050	2,383,414	250,000	249,978	2,508,398	0.09966	41,188
2051	2,383,413	250,000	250,001	2,508,414	0.09966	37,083
2052	0	0	2,383,413	2,383,413	1.00000	0

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES =

(TOTAL COL. F / 1ST F) - 0.5 = (74,376,610 / 472,476) - .5 = 15.084

* SURVIVORS (ALL VINT) AT END OF PREVIOUS YEAR, PLUS 1/2 CURRENT YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)

RETIREMENTS / EXPOSURES (ALL VINT).

@ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL RATE (1- RET. RATIO)

12/31/96
03:08 PM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES

REMAINING LIFE COMPOSITE
12-31-96
(\$000)

PRODUCT TYPE	SURVIVING AMOUNT	ESTIMATED REMAINING LIFE	DIRECT WEIGHT
-----	-----	-----	-----
	A	B	C=(B*A)
BUILDING ELECTRICAL	2,623	17.4	45,593.6
BUILDING MECHANICAL	2,395	16.3	39,029.5
BUILDING ROOF	786	9.0	7,082.3
BUILDING STRUCTURE	13,466	16.2	217,699.9
BUILDING SUBSYSTEMS	985	13.2	12,951.8
TOTAL	20,254	15.9	322,357.1

COMPOSITE REMAINING LIFE (TOTAL C / TOTAL A) 15.9 YEARS

* USE CATEGORY COMPOSITE REMAINING LIFE

ESTIMATED

CONFIDENTIAL
Subject to release
Stipulated Protective Order
PUCO Case No. 96-8800
CINCINNATI BELL TELEPHONE COMPANY

12/31/96
03:08 PM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES

FORECASTED RETIREMENTS OF EXISTING INVESTMENT
12-31-96
(\$000)

ACTIVITY YEAR	SURVIVORS BEG OF YEAR BALANCE	RETIREMENTS	RETIREMENT PERCENT	GROSS ADDITIONS
	A	B = A - next A	C = (B/A) * 100	D
1997	20,254,454	49,783	0.2	165,000
1998	20,204,671	78,445	0.4	165,000
1999	20,126,226	185,236	0.9	165,000
2000	19,940,990	661,601	3.3	165,000
2001	19,279,389	303,171	1.6	285,000
2002	18,976,218	254,003	1.3	272,900
2003	18,722,215	234,309	1.3	250,000
2004	18,487,906	357,586	1.9	240,000
2005	18,130,320	2,458,283	13.6	240,000
2006	15,672,037	715,769	4.6	155,000
2007	14,956,268	1,062,472	7.1	75,000
2008	13,893,796	1,026,816	7.4	75,000
2009	12,866,980	460,391	3.6	75,000
2010	12,406,589	1,106,419	8.9	135,000
2011	11,300,170	495,358	4.4	50,000
2012	10,804,812	581,615	5.4	50,000
2013	10,223,197	619,680	6.1	50,000
2014	9,603,517	616,855	6.4	50,000
2015	8,986,662	1,123,612	12.5	50,000
2016	7,863,050	1,020,575	13.0	0
2017	6,842,475	1,017,849	14.9	0
2018	5,824,626	1,007,849	17.3	0
2019	4,816,777	1,007,849	20.9	0
2020	3,808,928	748,572	19.7	0
2021	3,060,356	716,254	23.4	0
2022	2,344,102	691,913	29.5	0
2023	1,652,189	644,597	39.0	0
2024	1,007,592	579,756	57.5	0
2025	427,836	427,836	100.0	0

CONFIDENTIAL
Supplies to terms of
PUCO Case No. 50-899-1-1-11
CINCINNATI BELL TELEPHONE COMPANY

12/31/96
02:52 PM
KREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES
PRODUCT: BUILDING MECHANICAL
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
1996	2,394,643					2,394,643
1997	2,424,643	50,000	20,000	2,419,643	0.00827	2,374,850
1998	2,424,643	50,000	50,000	2,449,643	0.02041	2,326,377
1999	2,424,643	50,000	50,000	2,449,643	0.02041	2,278,893
2000	2,424,643	50,000	50,000	2,449,643	0.02041	2,232,378
2001	2,407,643	50,000	67,000	2,449,643	0.02735	2,171,320
2002	2,407,643	50,000	50,000	2,432,643	0.02055	2,126,691
2003	2,407,642	50,000	50,001	2,432,643	0.02055	2,082,979
2004	2,382,642	50,000	75,000	2,432,642	0.03083	2,018,759
2005	2,312,641	50,000	120,001	2,407,642	0.04984	1,918,141
2006	2,272,441	50,000	90,200	2,337,641	0.03859	1,844,128
2007	2,227,441	50,000	95,000	2,297,441	0.04135	1,767,873
2008	2,187,441	50,000	90,000	2,252,441	0.03996	1,697,235
2009	2,137,441	50,000	100,000	2,212,441	0.04520	1,620,522
2010	2,070,842	50,000	116,599	2,162,441	0.05392	1,533,143
2011	1,995,841	50,000	125,001	2,095,842	0.05964	1,441,703
2012	1,920,841	50,000	125,000	2,020,841	0.06186	1,352,526
2013	1,820,841	50,000	150,000	1,945,841	0.07709	1,248,263
2014	1,720,842	50,000	149,999	1,845,841	0.08126	1,146,825
2015	1,551,899	50,000	218,943	1,745,842	0.12541	1,003,004
2016	1,351,900	0	199,999	1,551,899	0.12887	873,743
2017	1,151,901	0	199,999	1,351,900	0.14794	744,482
2018	951,900	0	200,001	1,151,901	0.17363	615,220
2019	751,901	0	199,999	951,900	0.21011	485,959
2020	551,900	0	200,001	751,901	0.26599	356,697
2021	401,900	0	150,000	551,900	0.27179	258,751
2022	251,900	0	150,000	401,900	0.37323	152,805
2023	151,900	0	100,000	251,900	0.39698	98,174
2024	76,900	0	75,000	151,900	0.49375	49,701
2025	0	0	76,900	76,900	1.00000	0

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES = $\frac{\text{TOTAL COL. F} / \text{1ST F} - 0.5}{\text{RET. RATIO}}$ = $\frac{40,226,785 - 0.5}{0.00827} = 16.299$

* SURVIVORS (ALL VINT) AT END OF PREVIOUS YEAR, PLUS 1/2 CURRENT YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)

RETIREMENTS / EXPOSURES (ALL VINT).

@ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL RATE (1- RET. RATIO)

12/31/96
02:48 PM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES
PRODUCT: BUILDING ELECTRICAL
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E†	F‡
1996	2,623,427					2,623,427
1997	2,628,427	10,000	5,000	2,628,427	0.00190	2,618,437
1998	2,633,427	10,000	5,000	2,633,427	0.00190	2,613,465
1999	2,638,427	10,000	5,000	2,638,427	0.00190	2,608,512
2000	2,619,527	10,000	28,900	2,643,427	0.01093	2,579,994
2001	2,619,527	10,000	10,000	2,624,527	0.00381	2,570,164
2002	2,619,527	10,000	10,000	2,624,527	0.00381	2,560,371
2003	2,619,527	10,000	10,000	2,624,527	0.00381	2,550,615
2004	2,544,527	0	75,000	2,619,527	0.02863	2,477,588
2005	2,417,527	0	127,000	2,544,527	0.04991	2,353,929
2006	2,327,527	0	90,000	2,417,527	0.03723	2,266,297
2007	2,227,527	0	100,000	2,327,527	0.04296	2,168,928
2008	2,107,527	0	120,000	2,227,527	0.05387	2,052,085
2009	2,007,527	0	100,000	2,107,527	0.04745	1,954,716
2010	1,862,527	0	145,000	2,007,527	0.07223	1,813,530
2011	1,737,527	0	125,000	1,862,527	0.06711	1,691,818
2012	1,612,527	0	125,000	1,737,527	0.07194	1,570,106
2013	1,462,527	0	150,000	1,612,527	0.09302	1,424,052
2014	1,312,527	0	150,000	1,462,527	0.10256	1,277,998
2015	1,144,287	0	168,240	1,312,527	0.12818	1,114,184
2016	994,287	0	150,000	1,144,287	0.13109	968,130
2017	844,287	0	150,000	994,287	0.15086	822,076
2018	694,287	0	150,000	844,287	0.17766	676,022
2019	544,287	0	150,000	694,287	0.21605	529,968
2020	419,287	0	125,000	544,287	0.22966	408,256
2021	294,287	0	125,000	419,287	0.29812	286,545
2022	194,287	0	100,000	294,287	0.33980	189,176
2023	94,287	0	100,000	194,287	0.51470	91,807
2024	44,287	0	50,000	94,287	0.53030	43,122
2025	0	0	44,287	44,287	1.00000	0

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES =

(TOTAL COL. F / 1ST F) - 0.5 = (46,905,318 / 2,623,427) - .5 = 17.379

* SURVIVORS (ALL VINT) AT END OF PERVIOUS YEAR, PLUS 1/2 CURRENT YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)

RETIREMENTS / EXPOSURES (ALL VINT).

@ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL RATE (1- RET. RATIO)

February 18, 1997

Page 33

12/31/96
03:00 PM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES
PRODUCT: BUILDING STRUCTURE
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
1996	13,465,837					13,465,837
1997	13,545,837	80,000	0	13,505,837	0.00000	13,465,837
1998	13,625,837	80,000	0	13,585,837	0.00000	13,465,837
1999	13,605,838	80,000	99,999	13,665,837	0.00732	13,367,301
2000	13,185,838	80,000	500,000	13,645,838	0.03664	12,877,507
2001	13,165,838	80,000	100,000	13,225,838	0.00756	12,780,141
2002	13,145,838	80,000	100,000	13,205,838	0.00757	12,683,365
2003	13,125,838	80,000	100,000	13,185,838	0.00758	12,587,176
2004	13,055,838	80,000	150,000	13,165,838	0.01139	12,443,769
2005	10,985,838	80,000	2,150,000	13,095,838	0.16417	10,400,822
2006	10,565,439	80,000	500,399	11,025,838	0.04538	9,928,789
2007	9,765,439	0	800,000	10,565,439	0.07572	9,176,995
2008	8,985,439	0	780,000	9,765,439	0.07987	8,443,996
2009	8,735,439	0	250,000	8,985,439	0.02782	8,209,060
2010	7,930,439	0	805,000	8,735,439	0.09215	7,452,568
2011	7,680,439	0	250,000	7,930,439	0.03152	7,217,632
2012	7,330,439	0	350,000	7,680,439	0.04557	6,888,722
2013	6,980,439	0	350,000	7,330,439	0.04775	6,559,812
2014	6,630,439	0	350,000	6,980,439	0.05014	6,230,902
2015	5,850,439	0	780,000	6,630,439	0.11764	5,497,903
2016	5,100,438	0	750,001	5,850,439	0.12820	4,793,096
2017	4,350,437	0	750,001	5,100,438	0.14705	4,088,289
2018	3,600,438	0	749,999	4,350,437	0.17240	3,383,483
2019	2,850,438	0	750,000	3,600,438	0.20831	2,678,676
2020	2,350,438	0	500,000	2,850,438	0.17541	2,208,805
2021	1,850,438	0	500,000	2,350,438	0.21273	1,738,934
2022	1,350,438	0	500,000	1,850,438	0.27021	1,269,063
2023	850,438	0	500,000	1,350,438	0.37025	799,192
2024	350,438	0	500,000	850,438	0.58793	329,821
2025	0	0	350,438	350,438	1.00000	0

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES -

(TOTAL COL. F / 1ST F) - 0.5 = (224,432,830 / 13,465,837) - .5 = 16.167

* SURVIVORS (ALL VINT) AT END OF PERVIOUS YEAR, PLUS 1/2 CURRENT YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)

RETIREMENTS / EXPOSURES (ALL VINT).

@ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL RATE (1- RET. RATIO)

12/31/96
02:56 PM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES
PRODUCT: BUILDING ROOF
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F#
1996	785,835					785,835
1997	810,835	25,000	0	798,335	0.00000	785,835
1998	835,835	25,000	0	823,335	0.00000	785,835
1999	850,835	25,000	10,000	848,335	0.01179	776,572
2000	823,835	25,000	52,000	863,335	0.06023	729,798
2001	833,835	145,000	135,000	896,335	0.15061	619,881
2002	853,735	132,900	113,000	900,285	0.12552	542,076
2003	863,735	110,000	100,000	908,735	0.11004	482,424
2004	874,835	110,000	98,900	918,735	0.10765	430,492
2005	729,835	110,000	255,000	929,835	0.27424	312,433
2006	673,835	25,000	81,000	742,335	0.10911	278,342
2007	508,835	25,000	190,000	686,335	0.27683	201,288
2008	421,336	25,000	112,499	521,335	0.21579	157,852
2009	401,337	25,000	44,999	433,836	0.10372	141,479
2010	293,837	85,000	192,500	443,837	0.43372	80,117
2011	248,836	0	45,001	293,837	0.15315	67,847
2012	223,838	0	24,998	248,836	0.10046	61,031
2013	203,839	0	19,999	223,838	0.08935	55,578
2014	183,839	0	20,000	203,839	0.09811	50,125
2015	101,831	0	82,008	183,839	0.44608	27,765
2016	81,832	0	19,999	101,831	0.19640	22,312
2017	71,830	0	10,002	81,832	0.12222	19,585
2018	61,828	0	10,002	71,830	0.13924	16,858
2019	51,827	0	10,001	61,828	0.16176	14,131
2020	41,825	0	10,002	51,827	0.19298	11,404
2021	31,827	0	9,998	41,825	0.23904	8,678
2022	21,826	0	10,001	31,827	0.31424	5,951
2023	11,828	0	9,998	21,826	0.45807	3,225
2024	1,826	0	10,002	11,828	0.84558	498
2025	0	0	1,826	1,826	1.00000	0

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES =

(TOTAL COL. F / 1ST F) - 0.5 = (7,475,247 / 785,835) - .5 = 9.012

* SURVIVORS (ALL VINT) AT END OF PERVIOUS YEAR, PLUS 1/2 CURRENT YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)

RETIREMENTS / EXPOSURES (ALL VINT).

@ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL RATE (1- RET. RATIO)

CONFIDENTIAL
Stipulated Protective Order
PUCO Case No. 03-354-IP-ALT
CINCINNATI BELL TELEPHONE COMPANY

February 18, 1997

Page 35

12/31/96
03:07 PM
XREF: 01
1994, FA, 02
REFERENCE: BLDG LC

COMPANY: CINCINNATI BELL TELEPHONE
STATE: TOTAL COMPANY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES
PRODUCT: BUILDING SUBSYSTEMS
EXHIBIT 4

CALCULATION OF PRODUCT REMAINING LIFE

YEAR	ALL VINTAGE SURVIVORS	ADDITIONS	ALL VINTAGE RETIREMENTS	ALL VINTAGE EXPOSURES	RETIREMENT RATIO	EMBEDDED SURVIVORS
	A	C	C	D*	E#	F@
1996	984,712					984,712
1997	959,712	0	25,000	984,712	0.02539	959,712
1998	934,712	0	25,000	959,712	0.02605	934,712
1999	909,712	0	25,000	934,712	0.02675	909,712
2000	859,712	0	50,000	909,712	0.05496	859,712
2001	834,712	0	25,000	859,712	0.02908	834,712
2002	809,712	0	25,000	834,712	0.02995	809,712
2003	784,712	0	25,000	809,712	0.03088	784,712
2004	759,712	0	25,000	784,712	0.03186	759,712
2005	686,712	0	73,000	759,712	0.09609	686,712
2006	638,712	0	48,000	686,712	0.06990	638,712
2007	578,712	0	60,000	638,712	0.09394	578,712
2008	515,812	0	62,900	578,712	0.10869	515,812
2009	480,812	0	35,000	515,812	0.06785	480,812
2010	420,812	0	60,000	480,812	0.12479	420,812
2011	385,812	0	35,000	420,812	0.08317	385,812
2012	350,812	0	35,000	385,812	0.09072	350,812
2013	315,812	0	35,000	350,812	0.09977	315,812
2014	280,812	0	35,000	315,812	0.11083	280,812
2015	220,194	0	60,618	280,812	0.21587	220,194
2016	185,194	0	35,000	220,194	0.15895	185,194
2017	150,194	0	35,000	185,194	0.18899	150,194
2018	125,194	0	25,000	150,194	0.16645	125,194
2019	100,194	0	25,000	125,194	0.19969	100,194
2020	75,194	0	25,000	100,194	0.24952	75,194
2021	50,194	0	25,000	75,194	0.33247	50,194
2022	25,194	0	25,000	50,194	0.49807	25,194
2023	15,194	0	10,000	25,194	0.39592	15,194
2024	5,194	0	10,000	15,194	0.65815	5,194
2025	0	0	5,194	5,194	1.00000	0

PRODUCT REMAINING LIFE OF EMBEDDED VINTAGES

(TOTAL COL. F / 1ST F) - 0.5 = (13,444,168 / 984,712) - 0.5 = 13.153

* SURVIVORS (ALL VINT) AT END OF PERVIOUS YEAR, PLUS 1/2 CURRENT YEAR ADDITIONS. (LAST YEAR ALL ADDITIONS ARE APPLIED)

RETIREMENTS / EXPOSURES (ALL VINT).

@ EMBEDDED SURVIVING VINTAGES AT END OF PREVIOUS YEAR TIMES SURVIVAL RATE (1- RET. RATIO)

02/06/97
07:58 AM
XREF: 01
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PAGE 1 OF 2

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT
A	B	C	D	E	F	G	H	I = F*(G-1900)
209 W. 7TH	LWE	1	0	1951	23,983,000	2050	119	3,597,450,000
229 W.7TH (PLUM)	LWE	1	0	1975	36,659,000	2050	75	5,498,850,000
AVONDALE BLDG	LWO	1	0	1910	3,769,000	2014	104	429,666,000
BATAVIA BLDG	LWO	1	0	1912	1,561,000	2010	98	171,710,000
CHERRY GROVE	LWO	1	0	1975	1,538,000	2009	34	167,642,000
CHEVIOT BLDG	LWO	1	0	1971	852,000	2014	43	97,128,000
COVEDALE CO	LWO	1	0	1963	933,000	2009	46	101,697,000
CRESCENTVILLE BLDG	LWO	1	0	1970	1,144,000	2014	44	130,416,000
EYENDALE BLDG	LWO	1	0	1965	2,093,000	2008	43	226,044,000
FAIRFIELD BLDG	LWO	1	0	1980	491,000	2032	52	64,812,000
GLENDALE BLDG	LWO	1	0	1929	2,363,000	2013	84	267,019,000
GOSHEN CO	LWO	1	0	1978	815,000	2030	52	105,950,000
GROESBECK BLDG	LWO	1	0	1972	1,072,000	2017	45	125,424,000
GROESBECK CO	LWO	1	0	1972	2,454,000	2017	45	287,118,000
HAMILTON BLDG	LWO	1	0	1906	1,889,000	2015	109	217,235,000
HAMLET CO	LWO	1	0	1981	332,000	2039	58	46,148,000
HARTWELL BLDG	LWO	1	0	1938	1,616,000	2012	74	180,992,000
HYDE PARK BLDG	LWO	1	0	1936	2,299,000	2019	83	273,581,000
LOVELAND BLDG	LWO	1	0	1939	672,000	2015	76	77,280,000
MADISONVILLE BLDG	LWO	1	0	1948	2,156,000	2019	71	256,564,000
MILFORD BLDG	LWO	1	0	1952	928,000	2014	62	105,792,000
MONTGOMERY CO	LWO	1	0	1980	453,000	2026	46	57,078,000
MT HEALTHY BLDG	LWO	1	0	1929	1,512,000	2011	82	167,832,000
MT WASHINGTON CO	LWO	1	0	1950	1,392,000	2013	63	157,296,000
NORTH GREEN HILLS BD	LWO	1	0	1962	1,258,000	2015	53	144,670,000
NORTHSIDE BLDG	LWO	1	0	1927	1,243,000	2015	88	142,945,000
NORMOOD BLDG	LWO	1	0	1925	1,631,000	2018	93	192,458,000
PRICE HILL BLDG	LWO	1	0	1912	2,128,000	2017	105	248,976,000
ROSSHOYNE BLDG	LWO	1	0	1950	1,636,000	2013	63	184,868,000
SAYLER PARK CO	LWO	1	0	1951	908,000	2013	63	102,604,000
ST. BERNARD BLDG	LWO	1	0	1963	1,495,000	2016	47	164,450,000
TOBASCO BLDG	LWO	1	0	1956	1,008,000	2011	55	111,888,000
WEST CHESTER	LWO	1	0	1973	1,060,000	2030	57	137,800,000
WESTWOOD CO	LWO	1	0	1986	1,218,000	2028	40	153,668,000

TOTAL		34	0	1952.3	108,561,000	2035.1	83	14,394,851,000

SUBTOTAL	LWE	2	0		60,642,000			
SUBTOTAL	LWO	32	0		45,919,000			

02/06/97
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 XREF: 01
 PRES: 1994,FA,02
 PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
 STATE: OHIO
 ACCOUNT: 2121.00 BUILDINGS
 CATEGORY: IDC LARGE
 PAGE 2 OF 2

LOCATION LISTING AND DEVELOPMENT OF
 AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT I = F*(G-1900)
A	B	C	D	E	F	G	H	I

34 0 106,561,000

MISC. EQUIPMENT

GRAND TOTAL

34 0 106,561,000

AVERAGE YEAR OF FINAL RETIREMENT = $(14,394,851,000 + 106,561,000) \div 1900 = 2035.1$

- # - Value not included in Total.
- (S) Equipped with Signaling System 7.
- ##- Excludes retired units.
- F - Final Retirements
- @ Estimated

CONFIDENTIAL
 Stipulated by the Court in the
 PUCO Case No. 97-01-0001
 CINCINNATI BELL TELEPHONE COMPANY

02/06/97
07:58 AM
XREF: 01
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES
PAGE 1 OF 3

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT I = F*(G-1900)
A	B	C	D	E	F	G	H	I = F*(G-1900)
FAIRFAX	GARAGE	1	0#	1951	548,704#	1994 F		
ANDERSON TWP REB	REB	1	0	1995	175,000	2015	20	20,125,000
BATAVIA	GARAGE	1	0	1947	518,000	2006	59	34,908,000
BATAVIA MINI #1	MUT	1	0	1982	25,000	2001	19	2,525,000
BETHEL CO	SM.EQPT.	1	0	1940	172,000	2019	79	20,468,000
CHEVIOT #2	MUT	1	0	1987	2,000	2006	19	212,000
CHEVIOT HARTFORD #1	MUT	1	0	1987	29,000	2005	18	3,045,000
CHEVIOT MINI #1	MUT	1	0	1983	20,000	2002	19	2,040,000
CHEVIOT MINI (CONDO)	MUT	1	0	1987	9,000	2006	19	954,000
CINTI. KN	MUT	1	0	1982	111,000	2009	27	12,099,000
COLUMBIA RD REB	REB	1	0	1995	181,000	2015	20	20,815,000
COOK & SR 28	REB	1	0	1991	157,000	2011	20	17,427,000
COVEDALE #1	CEV	1	0	1991	16,000	2011	20	1,776,000
COVEDALE MINI #1	MUT	1	0	1990	143,000	2010	20	15,730,000
CRESCENTVILLE #1	MUT	1	0	1989	3,000	2008	19	324,000
CRSCNTVLE SMITH RD	ORM	1	0	1989	122,000	2008	19	13,176,000
CSA 1216 PRICE HILL	ORM	1	0	1994	225,000	2015	21	25,875,000
CSA 2301/4418 COVLE	ORM	1	0	1993	290,000	2015	22	33,350,000
CSA 3222 PRICE HILL	ORM	1	0	1993	202,000	2015	22	23,230,000
CSA 4110 COVEDALE	ORM	1	0	1994	159,000	2015	21	18,285,000
EBENEZER ROAD	REB	1	0	1990	100,000	2010	20	11,000,000
EVANSTON	GARAGE	1	0	1948	2,398,000	2005	57	251,790,000
EVENDALE RM. HALICK	REB	1	0	1989	92,000	2007	18	9,844,000
EVENDALE/ROSSHOYNE	MUT	1	0	1989	95,000	2008	19	10,044,000
FIELDS ETEL ROAD	REB	1	0	1991	84,000	2011	20	9,324,000
FOSTER MAINVILLE	REB	1	0	1992	71,000	2012	20	7,952,000
GLEN-ESTE WYTHAMSVLL	REB	1	0	1994	98,000	2014	20	11,172,000
GROESBECK FIBER HUB	MUT	1	0	1990	128,000	2010	20	14,080,000
GROESBECK MINI #1	MUT	1	0	1982	30,000	2001	19	3,030,000
HAMILTON	GARAGE	1	0	1949	672,000	2007	58	71,904,000
HAMILTON FIBER #2	MUT	1	0	1990	67,000	2010	20	7,370,000
HAMILTON MASON RD	MUT	1	0	1992	82,000	2012	20	9,184,000
HAMILTON MINI #1	MUT	1	0	1982	21,000	2001	19	2,121,000
HAMILTON MINI #2	MUT	1	0	1985	9,000	2006	19	936,000
HAMILTON RICHMOND RD	MUT	1	0	1990	137,000	2010	20	15,070,000
HAMILTON SLC-96 #1	MUT	1	0	1982	28,000	2001	19	2,828,000
HAMILTON WIRE CENTER	MUT	1	0	1990	149,000	2010	20	16,390,000
HARRISON CO	SM.EQPT.	1	0	1981	732,000	2028	47	93,496,000
HARRISON MINI #1	MUT	1	0	1985	20,000	2002	19	2,040,000
HARTWELL #3 READING	ORM	1	0	1994	166,000	2014	20	18,924,000
HARTWELL MINI #1	MUT	1	0	1990	242,000	2010	20	26,620,000
HUMPHREY	CEV	1	0	1990	96,000	2010	20	10,560,000

02/06/97
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XREF: 01
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES
PAGE 2 OF 3

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT I = F*(G-1900)
A	B	C	D	E	F	G	H	I = F*(G-1900)
INDIANA/HARRISON #2	HUT	1	0	1985	22,000	2004	19	2,288,000
INDIANA/HARRISON #3	HUT	1	0	1987	18,000	2006	19	1,908,000
LORETTA - GROESBECK	ORN	1	0	1994	163,000	2015	21	18,745,000
LOVELAND #1	CEV	1	0	1986	52,000	2084	18	5,408,000
LOVELAND #6	HUT	1	0	1987	19,000	2005	18	1,995,000
LOVELAND #7	HUT	1	0	1988	31,000	2007	19	3,317,000
LOVELAND #8	HUT	1	0	1989	43,000	2008	19	4,644,000
LOVELAND MINI #1	HUT	1	0	1982	22,000	2001	19	2,222,000
LOVELAND MINI #2	HUT	1	0	1982	22,000	2001	19	2,222,000
LOVELAND MINI #3	HUT	1	0	1983	22,000	2002	19	2,244,000
LOVELAND MINI #4	HUT	1	0	1985	16,000	2004	19	1,664,000
LOVELAND MINI 5	HUT	1	0	1995	2,000	2015	20	230,000
MCI REGENERATOR	HUT	1	0	1985	67,000	2004	19	6,968,000
MIAMI MINI #1	HUT	1	0	1984	32,000	2003	19	3,296,000
MIAMI OFFICE	SM.EQPT.	1	0	1975	218,000	2024	49	27,032,000
MILFORD #2	HUT	1	0	1990	51,000	2010	20	5,610,000
MILFORD #3	HUT	1	0	1990	151,000	2010	20	16,610,000
MILFORD MINI #1	HUT	1	0	1982	22,000	2001	19	2,222,000
MONTGOMERY #401	HUT	1	0	1986	39,000	2005	19	4,095,000
MONTGOMERY HUB #402	CEV	1	0	1991	13,000	2011	20	1,443,000
MONTGOMERY KINGS MILL	ORN	1	0	1993	175,000	2011	18	19,425,000
MT CARMEL REPEATER	HUT	1	0	1945	111,000	2002	57	11,322,000
MT WASHINGTON #2	HUT	1	0	1990	32,000	2010	20	3,520,000
MT WASHINGTON MINI#1	HUT	1	0	1988	27,000	2007	19	2,889,000
N HAMILTON RELAY	HUT	1	0	1966	63,000	2002	36	6,426,000
NEW RICHMOND CO	SM.EQPT.	1	0	1940	205,000	2024	84	25,420,000
NEWTONSVILLE	SM.EQPT.	1	0	1940	210,000	2020	80	25,200,000
NORTHSIDE ESS BLDG	HUT	1	0	1970	20,000	2007	37	2,140,000
NORTHSIDE ORN	ORN	1	0	1994	174,000	2015	21	20,010,000
OWENSVILLE RADIO REL	HUT	1	0	1964	15,000	1998	34	1,470,000
READING	GARAGE	1	0	1948	1,298,000	2002	54	132,396,000
REILY BLDG	SM.EQPT.	1	0	1937	135,000	2022	85	16,470,000
RUMPKER ROAD	REB	1	0	1992	61,000	2012	20	6,832,000
SAYLOR PARK MINI #1	HUT	1	0	1989	45,000	2008	19	3,672,000
SAYLOR PARK MINI #2	HUT	1	0	1990	45,000	2010	20	4,950,000
SEVEN MILE CO	SM.EQPT.	1	0	1937	138,000	2022	85	16,836,000
SHANDON BLDG	SM.EQPT.	1	0	1937	234,000	2022	85	28,548,000
SHANDON MINI #1	HUT	1	0	1982	15,000	2001	19	1,515,000
SHARONVILLE REPEATER	HUT	1	0	1988	7,000	2009	21	763,000
SHAMNEE RUN ROAD	HUT	1	0	1990	132,000	2010	20	14,520,000
SHORT NEAR N HAVEN	REB	1	0	1990	152,000	2010	20	16,720,000
SHORTRIDGE ORN	ORN	1	0	1994	166,000	2015	21	19,090,000
SILVERTON KENTON AVE	ORN	1	0	1990	155,000	2010	20	17,050,000

02/06/97
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XREF: 01
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 1DC SMALL EQPT & GARAGES
PAGE 3 OF 3

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT 1 = F*(G-1900)
A	B	C	D	E	F	G	H	I = F*(G-1900)
SIMPSON ROAD	REB	1	0	1990	202,000	2010	20	22,220,000
TACONIC TER WOODLAWN	GRN	1	0	1992	149,000	2000	8	14,900,000
TOBASCO #5	HUT	1	0	1989	44,000	2008	19	4,752,000
TOBASCO MINI #1	HUT	1	0	1982	23,000	2001	19	2,323,000
TOBASCO MINI #2	HUT	1	0	1982	31,000	2001	19	3,131,000
TOBASCO MINI #3	HUT	1	0	1987	17,000	2006	19	1,802,000
TOBASCO MINI #4	HUT	1	0	1987	20,000	2006	19	2,120,000
TRI CNTY/KEMPER RD	GRN	1	0	1990	578,000	2010	20	63,580,000
W COLLEGE HILL	GARAGE	1	0	1948	628,000	2003	55	64,684,000
W. KEMPER	REB	1	0	1990	158,000	2010	20	17,380,000
WEST CHESTER #1	HUT	1	0	1990	149,000	2010	20	16,390,000
WEST CHESTER #2	HUT	1	0	1987	48,000	2008	21	5,184,000
WESTERN MINI #3	HUT	1	0	1990	201,000	2010	20	22,110,000
WESTWOOD MINI #1	HUT	1	0	1987	35,000	2006	19	3,710,000
WILLIAMSBURG BLDG	SN.EQPT.	1	0	1941	171,000	2023	82	21,033,000
<hr/>								
TOTAL		99	0	1969.6	15,157,000	2010.1	41	1,668,909,000
<hr/>								
SUBTOTAL	REB	12	0		1,531,000			
SUBTOTAL	GARAGE	5	0		5,514,000			
SUBTOTAL	HUT	56	0		2,996,000			
SUBTOTAL	SN.EQPT.	9	0		2,215,000			
SUBTOTAL	CEV	4	0		177,000			
SUBTOTAL	GRN	13	0		2,724,000			
<hr/>								
		99	0		15,157,000			
<hr/>								
MISC. EQUIPMENT					43,000			
<hr/>								
GRAND TOTAL		99	0		15,200,000			

AVERAGE YEAR OF FINAL RETIREMENT = (1,668,909,000 / 15,157,000) + 1900 = 2010.1

- # - Value not Included in Total.
- (S) Equipped with Signaling System 7.
- ##- Excludes retired units.
- F - Final Retirements
- @ Estimated

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Subject to terms of
Suppliers Protective Agreement
CINCINNATI BELL TELEPHONE COMPANY

02/06/97
07:59 AM
XREF: 01
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: KENTUCKY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C LARGE
PAGE 1 OF 1

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT I = F*(G-1900)
A	B	C	D	E	F	G	H	I = F*(G-1900)
BURLINGTON	LMO	1	0	1974	1,144,775	2010	36	125,925,250
COVINGTON	LMO	1	0	1923	3,870,236	2016	93	448,947,376
FLORENCE	LMO	1	0	1969	2,245,093	2009	40	244,715,137
FT. THOMAS	LMO	1	0	1949	1,246,427	2013	64	140,846,251
INDEPENDENCE	LMO	1	0	1980	380,453	2028	48	48,697,984
LAKE SIDE	LMO	1	0	1951	2,000,016	2015	64	230,801,840
<hr/>								
TOTAL		6	0	1948.0	10,887,000	2013.8	66	1,239,133,838
SUBTOTAL	LMO	6	0		10,887,000			
<hr/>								
		6	0		10,887,000			
MISC. EQUIPMENT								
GRAND TOTAL		6	0		10,887,000			

AVERAGE YEAR OF FINAL RETIREMENT = (1,239,133,838 / 10,887,000) + 1900 = 2013.8

- Value not Included in Total.
(S) Equipped with Signaling System 7.
##- Excludes retired units.
F - Final Retirements

CONFIDENTIAL
Subject to terms of
Supplemental Protective Agreement
Case No. 00-809-TP-ALT
CINCINNATI BELL TELEPHONE COMPANY

02/06/97
07:59 AM
XREF: 01
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: KENTUCKY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL EQPT & GARAGES
PAGE 1 OF 2

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST NET YEAR	LIFE SPAN	WEIGHT I = F*(G-1900)
A	B	C	D	E	F	G	H	I = F*(G-1900)
UNION BLDG	SM.EQPT.	1	0	1960	150,4010	1995	F	
ALEXANDRIA BLDG	SM.EQPT.	1	0	1950	425,391	2018	68	50,196,138
ALHERING ALLEY	HUT	1	0	1990	194,357	2010	20	21,379,270
BUTLER CO	SM.EQPT.	1	0	1930	138,253	2024	94	17,143,372
CIRCLEPORT MINI	ORM	1	0	1990	159,570	2010	20	17,552,700
COVINGTON	GARAGE	1	0	1944	378,101	1998	52	37,053,098
CRITTENDON CO	SM.EQPT.	1	0	1973	170,004	2020	47	20,400,480
CVG AIRPORT	ORM	1	0	1993	342,426	2010	17	37,666,860
DIXIE & INDUSTRIAL	HUT	1	0	1992	85,057	2012	20	9,526,384
FALMOUTH BLDG	SM.EQPT.	1	0	1940	207,854	2024	84	25,773,896
FLORENCE #1	HUT	1	0	1987	27,265	2008	21	2,944,620
FLORENCE #2	HUT	1	0	1968	32,683	2009	21	3,562,447
FROGTOWN RD	REB	1	0	1992	101,448	2012	20	11,344,416
GLENCOE CO	SM.EQPT.	1	0	1939	127,011	2021	82	15,368,331
HANDS PIKE	REB	1	0	1992	70,973	2012	20	7,948,976
INDEPENDENCE BLDG	STORAGE	1	0	1950	129,192	2010	60	14,211,120
LATONIA	ORM	1	0	1993	211,935	2012	19	23,736,720
MARTHA LANE COLLINS	CEV	1	0	1990	148,542	2010	20	16,339,620
MURMAN RD & US 27	REB	1	0	1993	180,139	2018	25	21,256,402
RICHARDSON BRISTOW	CEV	1	0	1990	179,219	2010	20	19,714,090
RIDGEVIEW & EVERGREEN	REB	1	0	1990	117,705	2010	20	12,947,550
SOUTHGATE	GARAGE	1	0	1956	548,502	1998	42	53,753,196
SOUTHPARK DEVELOPMNT	HUT	1	0	1990	163,086	2010	20	17,939,460
UNION RSO	ORM	1	0	1994	280,225	2010	16	30,824,750
VILLA HILLS	ORM	1	0	1993	169,820	2013	20	19,189,660
VINE ST - DAYTON	ORM	1	0	1992	158,543	2012	20	17,756,816
WALTON CO	SM.EQPT.	1	0	1982	204,539	2021	39	24,749,219
WARSAW CO	SM.EQPT.	1	0	1939	135,485	2021	82	16,393,685
WILLIAMSTOWN	GARAGE	1	0	1967	130,074	2007	40	13,917,918
WILLIAMSTOWN BLDG	SM.EQPT.	1	0	1939	381,826	2020	81	45,819,120
WILLIAMSTOWN MINI #1	HUT	1	0	1990	77,326	2010	20	8,505,860
WINDRIDGE LANE	ORM	1	0	1990	140,299	2010	20	15,447,190
TOTAL		31	0	1970.7	5,877,000	2014.8	41	650,384,164
SUBTOTAL	SM.EQPT.	8	0		1,790,363			
SUBTOTAL	HUT	6	0		579,774			
SUBTOTAL	ORM	7	0		1,462,948			
SUBTOTAL	GARAGE	3	0		1,056,677			
SUBTOTAL	REB	4	0		470,285			

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Subject to terms of Agreement
Simulated Financial Statement
PUCB 2014.8 41 650,384,164
CINCINNATI BELL TELEPHONE COMPANY

COMPANY: CINCINNATI BELL TELEPHONE
STATE: KENTUCKY
ACCOUNT: 2121.00 BUILDINGS
CATEGORY: 10C SMALL BPT & GARAGES
PAGE 2 OF 2

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT
A	B	C	D	E	F	G	H	I = F*(G-1900)
SUBTOTAL	STORAGE	1	0		129,192			
SUBTOTAL	CEV	2	0		327,761			

GRAND TOTAL

AVERAGE YEAR OF FINAL RETIREMENT = $(650,384,164 / 32,817,000) + 1900 = 2011.8$

- Value not included in Total.
(S) Equipped with Signaling System 7.
##- Excludes retired units.
F - Final Retirements

CONFIDENTIAL
Subject to terms of
Stipulated PUCO Settlement
PUCO Case No. 1900 - 2011.8
CINCINNATI BELL TELEPHONE COMPANY

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2124.00 Gen'l Purpose Computers
Category: 240C General Purpose Computers

PROPRIETARY NARRATIVE

Future Expectations

Currently, the Company has an operating lease for a small amount of computer equipment. CBT plans to renew this lease for updated equipment. However, there are no plans for extensive future use of leasing arrangements in lieu of purchasing equipment.

In 1995, the Company purchased NetFrame superservers to support CorpNet users. CBT decided to move to the NetFrame servers because they provide more user support and require less hardware and software maintenance. Also, the superservers will consolidate the numerous servers being used and will assist with the standardization of software. In 1997, the conversion from the 10 file servers currently being used to the consolidated NetFrame superservers will be completed. Also, in 1997, CBT plans to standardize the software applications available to employees. The standardized software will include the Microsoft Office package and Lotus Notes. Fax application software and file compression utilities will be standardized. In addition, CBT plans to upgrade all LAN users from Windows 3.11 to Windows '95. These software changes will require many computers to be upgraded and/or replaced.

Rapid changes in computer technology coupled with the need for continual productivity increases from a reduced workforce will require CBT to constantly upgrade its desktop computer equipment. The 1996 Technology Futures Inc. study states, "The changes experienced in the past are highly likely to continue, with computer technology becoming increasingly integrated in the day-to-day operations of the companies. For companies to successfully compete in the converging industries of telecommunications, entertainment, and computers, use of optimal technology will be essential, and the computer will be integral to that effort. We recommend that these companies equate their depreciation lives with the economic remaining lives which we believe to be reasonable."¹ The study cites 3.0 to 5.0 years as an appropriate economic remaining life for all computers.

CBT believes that a 3.0 year economic remaining life is overstated, given the specific makeup of its general purpose computer investment. 78% of the investment in the General Purpose Computers account is in short-lived personal computer equipment. Network equipment, file servers, and Unix systems, which make up the remaining 22% of the investment in this account, also are relatively short-lived. CBT does not have any

¹ "Computer Technology Trends: Analysis and Forecasts," A.L. Poiras & R.L. Hodges. Technology Futures Inc. Study, 1996.

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February 18, 1997
Page 1

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2124.00 Gen'l Purpose Computers
Category: 240C General Purpose Computers

investment in mainframe computers, which have the longest life span of computer equipment.

Constant improvements in desktop technology, coupled with the migration to more powerful network platforms will require CBT to continually replace its General Purpose Computer investment. Based upon the TEL study and the historical data, the Company proposes to decrease the projection life from 6.0 years to 3.6 years.

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Stipulated Case No.
PUCO Case No.
CINCINNATI BELL TELEPHONE CO.

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February 18, 1997
Page 2

Company: Cincinnati Bell Telephone
State: Total Company
Account: Central Office Equipment
Category: General Narrative

PROPRIETARY NARRATIVE

Future Expectations

The Cincinnati Bell Telephone network will continue to change as demand for new services, economics, employee resources, technology advances and competition dictate. New technology will allow CBT to offer new services, reduce operating costs and be able to respond quicker to future customer demands. The framework for the new structure will include asynchronous transfer mode (ATM) switching, SONET transmission and fiber in the loop (FITL).

Digital switches and optically connected remote switching modules will continue to be deployed as replacements for analog switches and older vintage digital switches. The cutover of new digital host and optical remote switches will continue to be coordinated with the turn-up of SONET self-healing ring architectures in both the interoffice and loop network. The enhanced reliability, direct signal add/drop capability without demultiplexing of higher rate signals and remote operations capabilities of SONET terminals has led to the obsolescence and retirement of embedded asynchronous fiber terminals, which is expected to be fully replaced in the next 3 years.

SONET technology will provide the foundation for an integrated broadband network. Digital Network Units - SONET (DNU-S), high speed SONET interfaces will be introduced for the SESS switch in 1998. Utilization of the DNU-S optical interface will begin by 2000 as the use of Lucent SM-2000 switching modules becomes standard within CBT. 3/1 DCS systems will be upgraded with SONET interfaces and act as SONET gateways to the asynchronous network. Next generation digital loop carrier (NGDLC) terminals will meet a standard interface protocol, commonly known as TR-303. This will allow efficient bandwidth management, time slot interchange for mixing switched and non-switched circuits on a single terminal and remote provisioning capability. NGDLC will serve as a fiber in the loop platform, where remote terminals possessing flexible bandwidth capabilities can transport narrowband and broadband services to end users. CBT's strategy is to deploy both the TR-303 interfaces on the SESS switches and TR-303 based NGDLC equipment in 1997 at a level approximating the anticipated annual access line

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February 18, 1997

Page 1

Company: Cincinnati Bell Telephone
State: Total Company
Account: Central Office Equipment
Category: General Narrative

growth. Industry forecasts indicate that all currently deployed digital circuit equipment will be replaced by SONET compatible equipment within ten years.¹

Upgrades to digital switches will continue as new processors, interfaces and switching fabrics are introduced to support new software, broadband and intelligent network capabilities. Lucent's new 5ESS-2000 switch architecture will include new switch modules with SONET interfaces, an extensive time slot interchange and call processing capacity many times greater than today's switch modules. In addition to these modular upgrades, entire switches will continue to be replaced. Cincinnati Bell Telephone's two remaining analog switches will be retired by the end of 1998. In addition, subject matter experts (SMEs) forecast the retirement of all sixteen of the DMS-10 switches, located in the rural parts of CBT's serving area, by 2001.

The introduction of ATM into the network has begun at CBT. The Company has deployed ATM switching as an overlay on its existing switching network. The current ATM network consists of ATM switches, routers and bridges connected entirely by fiber. Plans are in place to introduce redundancy into the ATM network with dual homing nodes by 1998, along with additional ATM switches. The interconnection of the ATM network with the voice network is scheduled for the year 2000. Increased traffic, which may include video as well as voice and data, is predicted on the ATM network so that by 2002, Virtual Path Crossconnects and additional core ATM switches will be deployed. As documented in "Transforming the Local Exchange Network", published by Technology Futures, Incorporated, industry experts forecast that ATM will be implemented as a primary fabric in the switch by 2005 and as a replacement for the entire switch in the 2010 - 2015 time frame. CBT subject matter experts concur with this forecast.

CBT offers a technologically advanced network to all of its customers and will continue to expand and upgrade its network to meet customer needs. With the January 1997 cutover of the Alexandria office, all of CBT's network switches are SS7 capable, making CLASS features available to 100% of CBT's customers.

The SS7 signaling network, standard national ISDN switch features and CLASS capabilities will be expanded to meet increasing network demands. Currently, CBT Signal

¹ "Transforming the Local Exchange Network", L. K. Vanston, Technology Futures, Inc., 1994 & "Depreciation Lives for Telecommunications Equipment", L. K. Vanston & R.L. Hodges, Technology Futures Inc., 1995.

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February 18, 1997
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Company: Cincinnati Bell Telephone
State: Total Company
Account: Central Office Equipment
Category: General Narrative

Transfer Points (STPs) process 90 million SS7 messages per day. Forecasted increases for custom network services such as caller ID (which is expected to double) and AIN services will require greater signalling capacity. CBT will answer this demand by integrating the SS7 network with its packet network, utilizing higher speed T1 links. The SS7 network supports CBT's introduction of an Advanced Intelligent Network (AIN) platform. AIN allows the rapid creation of services, independent of switch vendors' software releases, by moving substantial control of services out of the switch and into other network elements such as Service Control Points (SCPs).

All access lines will be served on digital switches by the end of 1998. During 1993 and 1994, the proportion of digital access lines climbed from 61% to 86%. Today, over 90% of CBT customers are served by digital switches.

Advanced switching, SONET transport and network intelligence are all required to achieve optimal utility in the network. The ability to generate new revenue streams, maintain high quality service and reduce operating expenses through the deployment of new technology is critical to CBT's survival in the competitive communications arena. Timely recovery of network investment through adequate depreciation rates will permit Cincinnati Bell Telephone to build the modern network required to meet customers' demands.

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February 18, 1997
Page 3

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2211.10 Analog Elec Switching
Category: 77C Analog

PROPRIETARY NARRATIVE

Current plans for the final retirement of the Analog Switching account are detailed below.

2BESS

The last 2BESS switch, located in Alexandria, will be cutover in January 1997. With the retirement of this switch, all of CBT's access lines in Kentucky will be served on digital switches.

1AESS

The two remaining 1AESS switches are located in Hamilton and Norwood, Ohio. The Hamilton switch is scheduled for cutover in December 1997 and Norwood in December 1998. The replacement schedule may be moved up in both cases.

Miscellaneous

The remaining miscellaneous equipment consists of 911 automatic location identifier and database management equipment, Operation Support System minicomputers, equipment stored at the Centralized PICS warehouse for backup replacement and testing and maintenance equipment. This equipment will be retired during the main switch replacements.

The Company has committed to a specific plan to replace all of its analog switches by the end of 1998. Table 1 summarizes the replacement schedule including known shipping dates.

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February 18, 1997

Page 1

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2211.10 Analog Elec Switching
Category: 77C Analog

Table 1

Switch Location	Switch Type	Replacement Eqpt/ Host	Shipping Date	Service Date
Alexandria	2BESS	ORM / Ft. Thomas	08/24/96	01/12/97
Hamilton	1AESS	SESS	03/22/97	12/07/97
Norwood	1AESS	SESS	05/04/98	12/13/98

Stipulated
PECO Case
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February 18, 1997
Page 2

12/30/96
10:46 AM
XREF: 35
PRES: 1996,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2211.00 ANALOG ELEC. SWITCH
CATEGORY: 77C ANALOG
PAGE 1 OF 1

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT I = F*(6-1900)
A	B	C	D	E	F	G	H	I = F*(6-1900)
209 W. 7TH.	#1AESS	1	0#	1968	11,449,000#	1994 F		
GROESBECK	#1ESS	1	0#	1972	5,552,000#	1994 F		
HARTWELL	#1ESS	1	0#	1972	6,792,000#	1994 F		
HYDE PARK	#1ESS	1	0#	1971	5,831,000#	1994 F		
PRICE HILL	#1ESS	1	0#	1975	6,460,000#	1994 F		
MADISONVILLE	#1ESS	1	0#	1978	5,960,000#	1995 F		
FAIRFIELD	#2BESS	1	0#	1980	3,023,000#	1996 F		
HAMILTON	#1AESS (S)	1	50,200	1969	10,780,000	1997	28	1,045,660,000
NORWOOD	#1AESS (S)	1	34,500	1972	8,402,000	1998	26	823,396,000
TOTAL		2	84,700	1970.3	19,182,000#	1997.4	27	1,869,056,000
SUBTOTAL	#1AESS	2	84,700		19,182,000			
		2	84,700		19,182,000			
MISC. EQUIPMENT					3,109,000#			
GRAND TOTAL		2	84,700		22,291,000			

AVERAGE YEAR OF FINAL RETIREMENT = (1,869,056,000 / 19,182,000)

- Value not Included in Total.
(S) Equipped with Signaling System 7.
##- Excludes retired units.
F - Final Retirements
a Estimated

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PUCO Case No. 96-890-TP-ALT
CINCINNATI BELL TELEPHONE COMPANY

12/30/96
11:06 AM
XREF: 35
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2211.00 ANALOG ELEC. SWITC
CATEGORY: 77C ANALOG
PAGE 1 OF 1

AYFR COMPARISON

ACTIVITY YEAR	RETIREMENTS (9000)				RETIREMENTS %		CUMULATIVE %		ACHIEVEMENT %	
	1994 STUDY	3-YEAR TOTAL	1997 STUDY	3-YEAR TOTAL	1994 STUDY	1997 STUDY	1994 STUDY	1997 STUDY	1 YEAR FIGURE	3 YEAR FIGURE
	(A)	(B)	(C)	(D)	(E=A/TOT A)	(F=C/TOT C)	(G=CUM E)	(H=CUM F)	(I=C/A)	(J=D/B)
1994	38598		36084 A		58.40%	56.16%	58.40%	56.16%	93.49%	
1995	5957		5960 A		9.01%	9.28%	67.41%	65.44%	100.05%	
1996	2983	47538	3023 A	45067	4.51%	4.71%	71.92%	70.14%	101.34%	94.80%
1997	0		10780		0.00%	16.88%	71.92%	86.92%	0.00%	
1998	10097		8402		15.28%	1.06%	87.20%	100.00%	83.21%	
1999	8459	18556	0	19182	12.80%	0.00%	100.00%	100.00%	0.00%	103.37%
TOTAL	66094		64249							

AYFR:
FROM 1994 1995.4
FROM 1997 1998.5

A=ACTUAL VALUES

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Stipulated Protective Order
CINCINNATI BELL TELEPHONE COMPANY

12/30/96
01:29 PM
XREF: 35
PRES: 1994, FA, 02
PROP: 1997, EE, 16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2211.00 ANALOG ELEC. SWITCH
CATEGORY: 77C ANALOG
PAGE 1 OF 1

PLANNED RETIREMENTS
FOR
RETIREMENT PERIOD 1997 - 1999

LOCATION/OFFICE	ORDER DATE	SHIP DATE	CUT DATE	EQUIPPED LINES	BOOK INVESTMENT 12-31-96	REPLACEMENT EQUIPMENT
-----------------	---------------	--------------	-------------	-------------------	--------------------------------	--------------------------

1997 RETIREMENTS

HAMILTON	(S) 10/12/96	03/22/97	12/07/97	50,200	10,780,000	5ESS
----------	--------------	----------	----------	--------	------------	------

50,200 10,780,000

1998 RETIREMENTS

NORWOOD	(S) 11/15/97	05/04/98	12/13/98	54,500	8,402,000	5ESS
---------	--------------	----------	----------	--------	-----------	------

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PUCO Case No. 26-599-TP-ALT
CINCINNATI BELL TELEPHONE COMPANY
1999 RETIREMENTS

12/30/96
10:40 AM
XREF: 35
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: KENTUCKY
ACCOUNT: 2211.00 ANALOG ELEC. SWITCH
CATEGORY: 77C ANALOG
PAGE 1 OF 1

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT I = F*(G-1900)
A	B	C	D	E	F	G	H	I = F*(G-1900)
LAKESIDE PARK	#1ESS	1	0#	1981	5,602,000#	1994 F		
INDEPENDENCE	#2BESS	1	0#	1980	3,024,000#	1996 F		
ALEXANDRIA	#2BESS	1	8,700	1981	2,944,000	1997	16	285,568,000
TOTAL		1	8,700	1981.0	2,944,000#	1997.0	16	285,568,000
SUBTOTAL		1	8,700		2,944,000			
MISC. EQUIPMENT								
GRAND TOTAL		1	8,700		2,944,000			

AVERAGE YEAR OF FINAL RETIREMENT = (285,568,000 / 2,944,000) + 1900 = 1997.0

- Value not Included in Total.
(S) Equipped with Signaling System 7.
- Excludes Retired units.
F - Final Retirements
@ - Estimated

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Sealed Protective Agreement
JACO Case No. 96-899-TH-ALT
CINCINNATI BELL TELEPHONE COMPANY

12/30/96
11:15 AM
XREF: 35
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: KENTUCKY
ACCOUNT: 2211.00 ANALOG ELEC. SWITC
CATEGORY: 77C ANALOG
PAGE 1 OF 1

AYFR COMPARISON

ACTIVITY YEAR	RETIREMENTS (\$000)				RETIREMENTS %		CUMULATIVE %		ACHIEVEMENT %	
	1994	3-YEAR	1997	3-YEAR	1994	1997	1994	1997	1 YEAR	3 YEAR
	STUDY	TOTAL	STUDY	TOTAL	STUDY	STUDY	STUDY	STUDY	FIGURE	FIGURE
	(A)	(B)	(C)	(D)	(E=A/TOT A)	(F=C/TOT C)	(G=CUM E)	(H=CUM F)	(I=C/A)	(J=D/B)
1994	5622		5602 A		49.72%	48.42%	49.72%	48.42%	99.64%	
1995	0		0 A		0.00%	0.00%	49.72%	48.42%	0.00%	
1996	5686	11308	3024 A	8626	50.28%	28.14%	100.00%	74.55%	55.18%	76.28%
1997	0		2944		0.00%	0.00%	100.00%	100.00%	0.00%	
TOTAL	11308		11570							
AYFR:										
FROM 1994	1995.0		1995.3							
FROM 1997	0.0		1997.0							

A=ACTUAL VALUES

12/30/96
10:40 AM
XREF: 35
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: KENTUCKY
ACCOUNT: 2211.00 ANALOG ELEC. SWITCH
CATEGORY: 77C ANALOG
PAGE 1 OF 1

PLANNED RETIREMENTS
FOR
RETIREMENT PERIOD 1997 - 1999

LOCATION/OFFICE	ORDER DATE	SHIP DATE	CUT DATE	EQUIPPED LINES	BOOK	REPLACEMENT EQUIPMENT
					INVESTMENT 12-31-96	
-----	-----	-----	-----	-----	-----	-----
1997 RETIREMENTS						
ALEXANDRIA	02/17/96	08/24/96	01/12/97	8,700	2,944,000	30RM

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8,700 Sub 2,944,000 terms of
1998 RETIREMENTS Sub 2,944,000
1999 RETIREMENTS Sub 2,944,000
PUCO Case No. 96-84000-ALT
CINCINNATI BELL TELEPHONE COMPANY

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2212.00 Digital Electro. Switch
Category: 377C Digital Electronic Switch

PROPRIETARY NARRATIVE

Future Expectations

The digital switching account will undergo extensive changes driven by competition, advances in technology, customer demand for new services and a deregulated environment. In the short term, older vintage digital switches will be retired in their entirety followed by the replacement of 5ESS switches and their associated Optical Remote Modules (ORMs) with the next generation of switches.

The modular architecture of the 5ESS switch allows upgrades to increase capacity, improve performance and add new features and capabilities without complete switch replacement. Due to the limited capabilities of the DMS-10 switches, Cincinnati Bell Telephone (CBT) is considering plans to replace them in the 1998 - 2001 time frame. Sixteen DMS-10 switches currently serve rural parts of the Company's operating area. Because of their small size, which average 3200 access lines, CBT is analyzing alternatives including replacement by either Next Generation Digital Loop Carrier (NGDLC) or 5ESS ORMs.

Although CBT's switching network will be 100% digital by the end of 1998, major changes are forecasted that will result in increased final and interim retirements. In addition to retiring the DMS-10s, which have an historical cost of approximately \$26M, modular upgrades to the 5ESS switches will continue as a result of the changing architecture of the network. In the switching module, CBT is replacing Digital Carrier Line Units (DLCU) with Integrated Digital Carrier Units (IDCU) to accommodate remote terminals based on the standard TR-303 protocol. This change allows increased flexibility in line concentrations because the control is moved away from the switch and into remote terminals. In 1998, high speed SONET interfaces, Digital Network Units - SONET (DNU-S), will be introduced for the 5ESS switch. By 2000, the Lucent SM-2000 switching modules will become standard with CBT's network and allow the utilization of the optical interface of the DNU-S. These replacements and others will cause the interim retirements rate for the Digital Switching account to increase.

An even more significant driver of switch module replacements is the integration of ATM-based switching into the network architecture. ATM architecture will be optimized to

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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2212.00 Digital Electro. Switch
Category: 377C Digital Electronic Switch

handle all types of traffic efficiently. ATM switches use small fixed-length packets that do not introduce significant signal delay, making them useful for continuous, real-time applications such as voice and video-conferencing. Increased voice, image and video traffic will make ATM switching a requirement when fiber in the loop is adopted. CBT has introduced ATM technology as an overlay on the existing switching network. The ATM network provides a specialized service for customers who need high speed, secure data connectivity between two or more locations. All connections are on fiber through an ATM device. Today's service offers speeds up to 155 Mbps and provides a seamless connection between designated locations. CBT's experience with ATM technology position it to support additional ATM-based services in the future. The next phase of deployment of ATM technology will most likely be as a secondary fabric in existing 5ESS switches. As fiber optics become pervasive in the loop, optical switching will completely replace the current digital switches. These changes in the switching network will generate continual, modular retirements which significantly reduce the life of a digital switch.

The lifespan of each switching technology has consistently been overstated at its introduction. Table 1 illustrates this fact by detailing the forecasted replacement dates of four switching technologies over triennial study periods.

Table 1

Type	Study Year								Actual
	1976	1979	1982	1985	1988	1991	1994	1997	
Step-by-Step	2003	1989	1986	1987	1987	--	--	--	1987
Crossbar	2008	1998	1989	1990	1990	--	--	--	1990
Analog ESS	2014	2014	2008	2005	1998	1998	1999	1998	1998*
Digital ESS						2024	2015	2015	?

* planned

Traditionally, telephone switches were designed for voice calls of relatively short duration. Recently, the average length of a call has increased significantly. The switching network was set up to accommodate voice calls with average residence calls of 5 minutes and average business calls of 10 minutes. With the introduction of the Internet to the general population along with affordable unlimited access via service providers such as Prodigy,

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February 18, 1997

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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2212.00 Digital Electro. Switch
Category: 377C Digital Electronic Switch

America Online and Compuserve, the current average call has greatly exceeded the previous standard. In addition to accommodating increased traffic, modifications are required to accommodate data and video transmissions. However, there is a point at which it will be more cost effective to start over with a switch that is constructed for its intended use rather than continually modifying a switch originally constructed to handle voice calls. Competitive access providers that are not encumbered with yesterday's telephone switching technology will have an advantage over regulated local exchange carriers. New entrants to the market will be able to build their networks on a forward looking basis rather than deal with upgrades of out-dated technology. Therefore, the incumbent local exchange carriers will be forced to upgrade to the newer technology in order to compete.

In selecting the projection life, the best fit curve from the most recent 5-year band was used. This curve accurately represents the pattern of future retirements. The older vintage investment is likely to remain because it represents the frames, power equipment and other long-lived apparatus while the newer vintage investment will be the first to retire. Among impending late vintage retirements are the DMS-10 switches which as a group have an average year placed of 1983. In addition, there will continue to be retirements that are the result of replacements of switching components including switch modules, DNU's and DLCU's, which are also later vintage investment. The 2% interim retirement rate that was used in the analysis reflects the past five years' activity, as reported on the "Development of Retirement Ratios" exhibit. This rate is expected to climb as the opportunities for replacements of individual switch components increases. The Bell 2.5 curve no longer is representative of the pattern of retirements of today's digital switching investment.

Timely capital recovery of CBT's switching investment through adequate depreciation rates will allow Cincinnati Bell Telephone to compete with alternative local access providers by building the modern network its customers demand. Based on the Life Span methodology, and discussions with Subject Matter Experts, a 12.0 year Projection Life for the Digital Switching account is proposed in Ohio and Kentucky.

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12/30/96
02:38 PM
XREF: 35
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2212.00 DIGITAL ELEC SWITCH
CATEGORY: 377C DIGITAL
PAGE 1 OF 3

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT I = F*(8-1900)
A	B	C	D	E	F	G	H	I = F*(8-1900)
BATAVIA - CHERRY GRV	61E	(S)	1	0#	1990	2,122,000#	1994 F	
CHERRY GROVE	61E	(S)	1	0#	1989	2,845,000#	1994 F	
COVEDALE	61E	(S)	1	0#	1989	3,789,000#	1994 F	
ST. BERNARD	61E	(S)	1	0#	1990	3,020,000#	1994 F	
209 W 7TH 4ES TOLL	OTHER		1	0	1979	7,190,000	2004	25 747,760,000
209 W 7TH ACC TDM	OTHER		1	0	1985	12,254,000	2009	24 1,335,686,000
209 W 7TH STP	OTHER		1	0	1990	2,657,000	2005	15 278,985,000
209 W 7TH - OSPS	SESS		1	0	1990	5,595,000	2005	15 587,475,000
229 W 7TH PKCT SW	OTHER		1	0	1986	1,573,000	1998	12 154,154,000
229 W 7TH MMOC AIN	OTHER		1	0	1993	4,389,000	2005	12 460,845,000
AVONDALE	SESS	(S)	1	38,300	1993	13,038,000	2010	17 1,434,180,000
BATAVIA - CHERRY GRV	ORN	(S)	1	6,200	1994	1,593,000	2008	14 172,044,000
BETHEL	DMS-10	(S)	1	4,600	1982	1,797,000	1999	17 177,903,000
BURKHRT HARTWELL#3	ORN	(S)	1	6,600	1994	653,000	2008	14 70,524,000
CHERRY GROVE	SESS	(S)	1	14,200	1994	2,322,000	2008	14 250,776,000
CHEVIOT	SESS	(S)	1	12,400	1986	5,001,000	2014	28 570,114,000
COLERAIN NORTHSIDE	ORN	(S)	1	1,600	1995	535,000	2009	14 58,315,000
COVEDALE	SESS	(S)	1	15,100	1994	3,036,000	2008	14 327,888,000
CRESCENTVILLE	SESS	(S)	1	20,400	1986	8,248,000	2009	23 899,032,000
CROOKSHANK COVEDALE	ORN	(S)	2	5,000	1995	643,000	2014	21 73,302,000
	ORN				1994			
E.GALBRTH HARTWELL#1	ORN	(S)	1	11,200	1994	1,589,000	2014	20 181,146,000
EVENDALE	SESS	(S)	1	27,100	1988	15,232,000	2008	20 1,645,056,000
FAIRFIELD	ORN	(S)	1	12,600	1995	3,138,000	2015	20 360,870,000
GLENDALE	SESS	(S)	1	14,900	1992	5,854,000	2012	20 655,648,000
GOSHEN ROSSHOYNE	ORN	(S)	1	8,100	1990	1,842,000	2008	18 198,936,000
GOSHEN AVE - MILFORD	ORN	(S)	1	2,400	1993	339,000	2015	22 38,985,000
GROESBECK	SESS	(S)	1	12,800	1994	3,189,000	2014	20 363,546,000
HAMLET	DMS-10	(S)	1	2,400	1981	1,628,000	1999	18 161,172,000
HARRISON - NORTHSIDE	ORN	(S)	1	11,400	1991	2,677,000	2015	24 307,855,000
HYDE PARK	SESS	(S)	1	20,900	1994	3,202,000	2014	20 365,028,000
KEMPER RD CRSCNTVLL	ORN	(S)	1	3,000	1991	1,038,000	2009	18 113,142,000
KENTON AV ROSSHOYNE	ORN	(S)	1	3,300	1994	481,000	2008	14 51,948,000
KINGS MLL -LOVELAND	ORN	(S)	1	2,200	1993	441,000	2011	18 48,951,000
LORETTA GROESBECK	ORN	(S)	1	4,400	1994	431,000	2009	15 46,979,000
LOVELAND	SESS	(S)	1	20,800	1987	6,253,000	2015	28 719,095,000
MADISONVILLE	ORN	(S)	1	19,900	1995	2,079,000	2014	19 237,006,000
MIAMI	DMS-10	(S)	1	3,900	1981	1,672,000	1999	18 168,023,000
MILFORD	SESS	(S)	1	16,300	1986	5,597,000	2014	28 638,058,000
MONTGOMERY	SESS	(S)	1	15,100	1986	5,994,000	2008	22 647,568,000
MT. HEALTHY	SESS	(S)	1	25,000	1988	7,775,000	2015	27 893,895,000
MT. WASHINGTON	SESS	(S)	1	21,800	1985	7,116,000	2013	28 804,108,000

12/30/96
02:38 PM
KREF: 35
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2212.00 DIGITAL ELEC SWITC
CATEGORY: 377C DIGITAL
PAGE 2 OF 3

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT	
A	B	C	D	E	F	G	H	I = F*(G-1900)	
NEEB R.DELHI COVEDLE	ORM	(S)	1	1,200	1994	238,000	2014	20	27,132,000
NEW RICHMOND	DMS-10	(S)	1	4,200	1984	1,809,000	2000	16	180,900,000
NEWTONSVILLE	DMS-10	(S)	1	4,700	1984	1,858,000	2000	16	185,800,000
NO GREENHILLS	SESS	(S)	1	26,100	1987	10,259,000	2015	28	1,179,785,000
NORTHSIDE	SESS	(S)	1	21,700	1987	9,271,000	2015	28	1,066,165,000
PEDRETTI PH COVEDALE	ORM	(S)	1	2,700	1994	356,000	2014	20	40,584,000
PRICE HILL	ORM	(S)	1	16,600	1994	2,351,000	2015	21	270,565,000
QUEENCITY COVEDALE	ORM	(S)	1	1,900	1994	298,000	2014	20	33,972,000
REILY	DMS-10	(S)	1	1,200	1982	923,000	2001	19	93,223,000
ROSSMOYNE	SESS	(S)	1	43,000	1985	13,624,000	2008	23	1,471,392,000
SAYLER PARK	SESS	(S)	1	9,300	1985	5,032,000	2015	30	578,680,000
SEVEN MILE	DMS-10	(S)	1	2,200	1984	1,200,000	2001	17	121,200,000
SHANDON	DMS-10	(S)	1	4,400	1981	1,890,000	2000	19	189,000,000
SNORTRIDGE W.OAK	ORM	(S)	1	4,200	1994	416,000	2015	21	47,840,000
SMITH RD. CRISNTVILLE	ORM	(S)	1	2,300	1990	1,420,000	2009	19	154,780,000
ST. BERNARD	SESS	(S)	1	11,900	1994	3,132,000	2014	20	357,048,000
SUNNYSIDE D. MT.CARML	ORM	(S)	1	2,200	1994	178,000	2015	21	20,470,000
TOBASCO	SESS	(S)	1	19,800	1988	6,264,000	2014	26	714,096,000
VINE ST. HARTWELL #2	ORM	(S)	1	1,900	1994	300,000	2014	20	34,200,000
W SEVENTH UNIT 1	SESS	(S)	1	31,100	1994	4,973,000	2009	15	542,057,000
W SEVENTH UNIT 2	SESS	(S)	1	29,900	1990	17,818,000	2009	19	1,942,162,000
W. CHESTER ORNM1	ORM	(S)	1	15,200	1991	3,597,000	2007	16	384,879,000
W. CHESTER ORNM2	ORM	(S)	1	4,900	1988	818,000	2007	19	87,526,000
W. CHESTER ORNM3	ORM	(S)	1	2,300	1991	534,000	2007	16	57,138,000
W. CHESTER ORNM4	ORM	(S)	1	2,200	1991	680,000	2007	16	72,760,000
WESTWOOD	SESS	(S)	1	25,000	1986	8,699,000	2014	28	991,686,000
WILLIAMSBURG	DMS-10	(S)	1	3,400	1981	2,016,000	2000	19	201,600,000
WOODLAWN GLENDALE	ORM	(S)	1	2,200	1992	194,000	2011	19	123,099,000

TOTAL		66	681,600	1988.2	249,159,000	2010.0	22	27,413,537,000	

SUBTOTAL	OTHER	5	0		28,063,000				
SUBTOTAL	SESS	24	492,900		176,524,000				
SUBTOTAL	ORM	28	157,700		29,774,000				
SUBTOTAL	DMS-10	9	31,000		14,798,000				

MISC. EQUIPMENT

9,209,000

February 18, 1997
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02:38 PM
XREF: 35
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: OHIO
ACCOUNT: 2212.00 DIGITAL ELEC SWITCH
CATEGORY: 377C DIGITAL
PAGE 3 OF 3

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT
A	B	C	D	E	F	G	H	I = F*(G-1908)

GRAND TOTAL

66 681,600

AVERAGE YEAR OF FINAL RETIREMENT = (27,413,537,000 / 249,159,000) * 1900 = 2010.0

- Value not Included in Total.
(S) Equipped with Signaling System 7.
##- Excludes retired units.
F - Final Retirements
Q Estimated

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Case No. 96-899-TP-ALT
CINCINNATI BELL TELEPHONE COMPANY

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 10:16 AM
 XREF: 32
 PRES: 1994,FA,02
 PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
 STATE: OHIO
 ACCOUNT: 2212.00 DIGITAL ELEC SWITCH
 CATEGORY: 377C DIGITAL
 PAGE 1 OF 1

PLANNED RETIREMENTS
 FOR
 RETIREMENT PERIOD 1997 - 1999

LOCATION/OFFICE	ORDER DATE	SHIP DATE	CUT DATE	EQUIPPED LINES	BOOK INVESTMENT 12-31-96	REPLACEMENT EQUIPMENT
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1997 RETIREMENTS

1998 RETIREMENTS

229 W 7TH PKCT SW

0 1,573,000

0 1,573,000

1999 RETIREMENTS

BETHEL (S)

4,600 1,797,000

HAMLET (S)

2,400 928,000

MIAMI (S)

4,000 1,677,000

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XREF: 35
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: KENTUCKY
ACCOUNT: 2212.00 DIGITAL ELEC SWITCH
CATEGORY: 377C DIGITAL
PAGE 1 OF 2

LOCATION LISTING AND DEVELOPMENT OF
AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT I = F*(G-1900)
A	B	C	D	E	F	G	H	I = F*(G-1900)
UNION	DMS-10	1	0#	1981	1,572,000#	1994	F	
BURLINGTON	ORN	(S)	1	8,500	1993	1,680,000	2010	17
BUTLER	DMS-10	(S)	1	2,300	1981	1,386,000	2000	19
CIRCLEPORT KIMIHUT	ORN	(S)	1	120	1993	579,000	2010	17
COVINGTON	SESS	(S)	1	36,600	1993	5,614,000	2012	19
CRITTENDEN	DMS-10	(S)	1	3,100	1984	1,920,000	2000	16
FALMOUTH	DMS-10	(S)	1	3,200	1987	1,595,000	2000	13
FLORENCE	SESS	(S)	1	44,000	1993	6,000,000	2010	17
FORT THOMAS	SESS	(S)	1	20,000	1985	6,634,000	2013	28
FT. WRIGHT	ORN	(S)	1	2,100	1994	270,000	2013	19
GLENCOE	DMS-10	(S)	1	1,300	1985	1,013,000	2000	15
STR CINTI AIRPORT	ORN	(S)	1	3,800	1993	1,293,000	2010	17
INDEPENDENCE	ORN	(S)	1	9,800	1996	1,700,000	2013	17
LAKESIDE PARK	SESS	(S)	1	19,500	1994	3,123,000	2013	19
LATONIA	ORN	(S)	1	5,400	1994	695,000	2012	18
UNION CO	ORN	(S)	1	4,200	1994	807,000	2010	16
VILLA HILLS	ORN	(S)	1	3,400	1994	349,000	2013	19
VINE ST DAYTON	ORN	(S)	1	1,900	1994	463,000	2012	18
WALTON	DMS-10	(S)	1	3,600	1982	1,696,000	2000	18
WARSAW	DMS-10	(S)	1	2,000	1986	1,409,000	2000	16
WILLIAMSTOWN	DMS-10	(S)	1	6,300	1986	2,341,000	2000	14
WINDRIDGE REMOTE	ORN	(S)	1	2,400	1994	549,000	2010	16

TOTAL		21	183,520	1989.6	41,116,000	2008.4		4,458,932,000
SUBTOTAL	ORN	10	41,620		8,385,000			
SUBTOTAL	DMS-10	7	21,800		11,360,000			
SUBTOTAL	SESS	4	120,100		21,371,000			

21 183,520 41,116,000

MISC. EQUIPMENT 975,000

GRAND TOTAL 21 183,520 42,091,000

AVERAGE YEAR OF FINAL RETIREMENT = (4,458,932,000 / 41,116,000) + 1900 = 2008.4

- Value not Included in Total.

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CINCINNATI BELL TELEPHONE COMPANY

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 PRES: 1994,FA,02
 PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
 STATE: KENTUCKY
 ACCOUNT: 2212.00 DIGITAL ELEC SWITC
 CATEGORY: 377C DIGITAL
 PAGE 2 OF 2

LOCATION LISTING AND DEVELOPMENT OF
 AVERAGE YEAR OF FINAL RETIREMENT

LOCATION NAME	TYPE OF OFFICE	NUMBER OF UNITS	EQUIPPED LINES 12-31-96	YEAR PLACED	BOOK AMOUNT 12-31-96	EST RET YEAR	LIFE SPAN	WEIGHT
A	B	C	D	E	F	G	H	I = F*(G-1900)

(S) Equipped with Signaling System
 ** Excludes retired units.
 F - Final Retirements
 0 Estimated

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XREF: 35
PRES: 1994,FA,02
PROP: 1997,EE,16

COMPANY: CINCINNATI BELL TELEPHONE
STATE: KENTUCKY
ACCOUNT: 2212.00 DIGITAL ELEC SWITCH
CATEGORY: 377C DIGITAL
PAGE 1 OF 1

PLANNED RETIREMENTS
FOR
RETIREMENT PERIOD 1997 - 1999

LOCATION/OFFICE	ORDER DATE	SHIP DATE	CUT DATE	EQUIPPED LINES	BOOK INVESTMENT 12-31-96	REPLACEMENT EQUIPMENT
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1997 RETIREMENTS

1998 RETIREMENTS

1999 RETIREMENTS

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Case No. 96-894-TT-ALT
CINCINNATI BELL TELEPHONE COMPANY

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2232.10 Digital Circuit Eqpt
Category: 357C Digital Circuit

PROPRIETARY NARRATIVE

Future Expectations

Cincinnati Bell Telephone (CBT) has immediate plans to retire a significant amount of digital circuit investment. Synchronous Optical Network (SONET) and TR-303 technology play a major role in changing the structure of CBT's network. The report *Transforming the Local Exchange Network* published by Technology Futures, Incorporated (TFI) forecasts an all SONET network by 2005. CBT is on track to realize this forecast with its current initial investment in an ATM overlay network along with progressive deployment of SONET compatible equipment.

SONET has many benefits including the ability to integrate different types of traffic on the same pair of fibers. Much of the existing circuit equipment will be retired because of SONET's add-drop multiplexers. Cost savings are realized because the standard requirements of SONET allow it to be used with different manufacturers' equipment. Competition among manufacturers will produce lower costs and greater flexibility. In the future, SONET interfaces will be built directly into switches allowing Next Generation Digital Loop Carriers (NGDLC) to link directly through these interfaces to the switches.

TR-303 technology, scheduled for initial deployment in the second quarter of 1997, will be aggressively incorporated along with NGDLC in CBT's network in the near future. The TR-303 technology is now available on Lucent's SESS switch and later in 1997 will be available on Fujitsu's NGDLC equipment. There are many advantages to TR-303 including decreased cost per line, flexibility in meeting service demands, reduced maintenance, ability to serve broadband architectures and decreased ISDN costs.

Based on the forecast of an all SONET network by the year 2005, the remaining life of the majority of the current investment in the digital circuit account is very short. Separating investment into several product types for the purpose of life cycle analysis is no longer possible. Previously, CBT's Digital Circuit account was composed of investment in three field codes; 157C, 257C and 357C. These field codes along with Equipment Category Numbers (ECNs) were used to identify the product types. Recently, the three field codes were consolidated to one field code because of the increasing difficulty in consistently and accurately classifying investment to the correct field code. The introduction of SONET technology is responsible for a great deal of the problem. With SONET technology, the distinction between loop and interoffice is blurred, therefore field code assignments were

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February 18, 1997

Page 1

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2232.10 Digital Circuit Eqpt
Category: 357C Digital Circuit

not consistent. CBT maintains the distinction between digital and analog circuit investment, as required by the FCC, but no longer attempts to maintain multiple digital circuit field codes.

The investment in the Digital Circuit account is described below.

T-Line

The T-line equipment consists of all central office and field equipment used for transmission over metallic T1 systems. T1 systems are digital links that carry data at the DS1 level of 1.544 Mb/s and provide twenty-four 64 KB/s channels for voice or data transmission. All office and field regenerators are included in this category. A result of the utilization of the TR-303 protocol is the retirement of T-line equipment. Currently, T-line carrier connects a remote terminal to the switch. With the application of TR-303, the T-1 equipment is replaced with DS3 and OC3 carrier equipment. As TR-303 becomes more prevalent in the network, the T-line equipment will become obsolete.

D-Channel Banks

This category consists of D3 and D4 digital channel banks. This equipment multiplexes 24 64Kb/s analog voice frequency channels into a single 1.544Mb/s T1 digital signal for transport to other terminal equipment or to a digital switch. The remaining D-channel banks in the CBT network are collocated with analog switches to provide analog to digital signal conversion for message trunks or associated with private line circuits that use analog terminal equipment. The demise of analog central office environment will result in retirements of D-Channel Bank equipment whose only purpose is to facilitate analog transmission.

Asynchronous Lightwave

This equipment provides asynchronous high speed digital transmission over fiber optic cable. Regenerators and electronic-to-optic multiplexers are included. This equipment was first installed in 1985 and for several years served as the media of choice because of its technological advantages and economic value. However in 1992, the introduction of SONET was responsible for the demise of asynchronous lightwave.

Cincinnati Bell Telephone has firm plans to retire all of its investment in asynchronous lightwave equipment in 1997. The manufacturer has discontinued producing the circuit

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February 18, 1997
Page 2

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2232.10 Digital Circuit Eqpt
Category: 357C Digital Circuit

boards and there are no replacements available. The asynchronous lightwave equipment will be replaced with SONET compatible equipment.

Subscriber Loop Carrier (SLC)

The embedded digital loop carrier equipment consists of three types of equipment: SLC-96, SLC-40 and SLC Series 5. Most of the equipment will soon be retired. The SLC-40 has lost vendor support and the SLC-96 systems are also obsolete due to the fact that they are not compatible with Next Generation Digital Loop Carrier (NGDLC) or SONET standards. Only the SLC Series 5 will remain in the network during the transition to SONET because it is capable of being upgraded to provide NGDLC features.

Digital Crossconnect Systems

Digital Crossconnect Systems are used as interfaces between network components. SONET eliminates the need for the current digital crossconnect equipment.

SONET

Introduced in 1992, Synchronous Optical Network (SONET) contains all equipment that conforms to SONET standards for synchronous digital transmission. It includes add/drop multiplexers used for point-to-point fiber optic links and self-healing ring applications. SONET's benefits include greater reliability, flexibility in provisioning new channels and enhanced response time.

Cincinnati Bell Telephone proposes a 9.0 year Projection Life in Ohio and Kentucky. This projection life yields a remaining life of 4.4 years in Ohio and 4.5 years in Kentucky. This is consistent with the study, *Transforming the Local Exchange Network* published by Technology Futures, Incorporated (TFI) that estimated the remaining life of Digital Circuit to be 4.4 years when considering the adoption of SONET alone. TFI proposes that the estimated remaining life would actually be shorter when considering the imminent replacement of T-1 terminal equipment and central office Digital Loop Carrier (DLC) equipment.

Stipulation
PUCO Case No. 1008
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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2231.10 Analog Circuit Eqp
Category: 57C Analog Circuit

PROPRIETARY NARRATIVE

The future of the analog circuit account is dependent on the replacement of analog switching and other impending changes in Cincinnati Bell Telephone's network. Several drivers are responsible for the predicted large scale changes. Advances in technology, including SONET transmission will provide a more efficient and more cost-effective architecture. Pressures from competitors will compel CBT to offer new services at a low cost with reliability. CBT, with an Advanced Digital Network, will be able to offer a variety of new services including video, data, advanced fax, computer-based imaging and video conferencing. The demand for high capacity digital communications makes analog circuit obsolete. The forecast of an all SONET network by 2005 illustrates how outdated analog circuit equipment really is.

The projection life of the analog circuit account was calculated using a method discussed in the report, *Depreciation Lives for Telecommunications Equipment* published by Technology Futures Incorporated (TFI). Consistent with the industry study, the demise of the analog switching account is used as an indicator of the end of the analog circuit account. Because the retirement of CBT's last analog switch is scheduled for December 1998, a two year remaining life is expected for the analog circuit account. The generation arrangement, when run with a targeted remaining life of two years and the proposed curve selected from the most recent three-year band of data, yields a projection life of 6.3 years in Ohio and 5.8 years in Kentucky. Cincinnati Bell Telephone proposes a 6.0 year life in Ohio and Kentucky.

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PUCO Case No. 94-03
CINCINNATI BELL TELEPHONE COMPANY

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Page 1

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2421.11 Aerial Cable
Category: 22C Metallic

PROPRIETARY NARRATIVE

Future Expectations

Short-term plans for SONET ring construction include additional rings being added to the existing Circleport SONET ring that serves the Northern Kentucky/Greater Cincinnati International Airport and several large office and industrial complexes in the surrounding area. Construction of the new Thomas More SONET ring is scheduled to begin in 1997. This ring will encompass an area that includes one of greater Cincinnati's major universities, a hospital and a large manufacturer of electrical equipment.

In addition to the planned SONET ring activity, CBT is planning the construction of a new feeder route technology. This new technology called TR-303 is comprised of fiber optic feeder cable, TR-303 remote terminals and a SESS interface. This application represents the next generation digital loop carrier (NGDLC) that is discussed in the General OSP narrative. Details about CBT's planned implementation of TR-303 based feeder routes can be found in the Aerial Cable Non-Metallic proprietary narrative. This combination of fiber construction activities will stimulate retirements of aerial copper cable and increase the percentage of fiber cable present in the transport network at CBT.

As stated in the General Outside Plant narrative, CBT projection life proposals are based on the substitution analysis performed by the principals of Technology Futures Inc. The substitution analysis was performed using the Fisher-Pry Model to predict the rate at which a new technology will replace an older technology in the marketplace. In the case of copper cable, the model predicted the rate at which fiber cable would replace copper as a result of demand for new services and a reduction in the cost of fiber and the associated electronics that are required for optical transmission. Table 1 below illustrates the conversion of the TFI forecasted average remaining lives for copper cable to the proposed projection life for aerial copper cable.

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February 18, 1997
Page 1

Company: Cincinnati Bell Telephone
 State: Total Company
 Account: 2421.11 Aerial Cable
 Category: 22C Metallic

Table 1

Development of Projection Life
Aerial Cable-Metallic

Cable Type	TFI Remaining Life ¹	CBT Investment (000)	Life Weight Low	Life Weight Remaining Life Run	Life Weight High	High Weight Remaining Life Run	CBT Proposed P-Life
Interoffice	2.9	1,295	3,756		3,756		
Feeder	7.0 to 7.8	62,531	437,715		487,739		
Distribution	7.5 to 10.2	121,176	908,822		1,235,998		
Totals:		185,002	1,350,293		1,727,493		
Remaining Life:				7.3		9.3	
Projection Life:				14.0		16.5	15.0

Although the research reports written by TFI consider competition as one of the key drivers affecting the lives of telecommunications plant, the forecasted remaining lives developed by TFI in the reports were based only upon the substitution analysis. When competition from PCS and cable voice services are included in the analysis, the estimated average remaining life for copper investment is between two and four years.² Subject matter experts at CBT have reviewed the information presented by TFI, past experience and future plans for fiber optic cable at CBT. An internal Interconnection Team at CBT has reviewed the Telecommunications Act of 1996 and the PUCO's Interconnection Order to determine the impact of competition on CBT's network investment. Currently the view at CBT is that most of the early competition that the Company can expect will be in the form of resale and the provisioning of unbundled network elements to new Competitive Local Exchange Carriers (CLECs).

CBT's interoffice network is expected to be 100% fiber by the end of 1997. With that accomplished, the next phase of converting to a broadband network is an aggressive deployment of fiber in the feeder routes. These events coupled with direct competition for local exchange service has diminished the potential service life of aerial copper cable. The Company proposes a projection life of 15 years for the Aerial Cable-Metallic cable account.

¹L. K. Vanston and R. L. Hodges, "Depreciation Lives For Telecommunications Equipment," 1995, pg. 33.

²L. K. Vanston and C. Rogers, "Wireless And Cable Voice Services Forecasts and Competitive Impacts", 1995, pg. 58.

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February 18, 1997

Page 2

Company: Cincinnati Bell Telephone
State: Total Company
Account: 2421.12 Aerial Cable
Category: 822C Non-Metallic

PROPRIETARY NARRATIVE

Future Expectations

Aerial Cable Non-Metallic is the second largest fiber account at CBT and has increased from 5% of total aerial cable at the time of the last depreciation study to 7% today. As with underground fiber cable, this trend is expected to continue with increased applications of aerial fiber for additional SONET rings and the introduction of feeder routes that are comprised of fiber optic feeder cable, TR-303 remote terminals and a SESS interface. This application represents the next generation digital loop carrier (NGDLC) that is discussed in the General OSP narrative. This technology offers a multitude of benefits over current DLC systems.

The two primary benefits of TR-303 are its capability to move the concentration function out of the switch to the remote terminal and its full SONET compatibility. The first application of this new technology at CBT is expected to be operational in the second quarter of 1997. Network planners at CBT are recommending an aggressive deployment of TR-303 technology that approximates the annual growth forecasted by market analysis. This growth is estimated to include TR-303 interfaces at 12 - 15 wire centers and up to 75 remote terminals in the coming year. TR-303 installations and the continued build out of SONET rings in CBT's transport network is expected to make a major impact in the amount of fiber optic cable that is placed into service in the next several years at CBT.

As stated in the General Outside Plant narrative, CBT projection life proposals are based on the substitution analysis performed by the principals of Technology Futures Inc. However, for fiber optic cable, no substitution analysis was performed since no viable replacement for fiber exists with the exception of early replacement of multi-mode fiber with improved single-mode fiber. As discussed in TFI's research report "Depreciation Lives For Telecommunications Equipment," other factors that influence the life of fiber optic cable can be used to evaluate the life of fiber optic cable. The four major factors that affect fiber lives include: technological obsolescence,

¹ L. K. Vanston and R. L. Hodges, Depreciation Lives For Telecommunications Equipment, 1995, pg. 23-24.

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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2421.12 Aerial Cable
Category: 822C Non-Metallic

topological obsolescence, mechanical degradation and optical degradation. The TFI study indicates that the combination of these elements suggest a projection life of 20 years is appropriate for fiber optic cable. This research report goes on to say that competition adds an element of risk to any investment in telecommunication equipment. This risk produces a downward adjustment in the estimated life of fiber optic cable of up to five years. Thus, with the major mortality factors and risk due to competition considered, an appropriate life for fiber optic cable accounts range from 15 to 20 years.

Fiber placements at CBT have experienced three of the mortality factors discussed in the previous paragraph and competition in varying degrees. Some aerial fiber cables have been retired at CBT as a result of relocations and routing reconfiguration. Still other aerial fiber cable retirements were caused by mechanical and optical degradation. For aerial cable these retirements have begun to occur over the last six years as illustrated on the Account Investment Summary. In regard to competition, CBT has experienced direct competition for network services in the form of CAP provided alternative access targeted mainly at large and medium sized business customers.

Subject matter experts at CBT have reviewed the information presented by TFI, past experience and future plans for fiber optic cable at CBT. An internal Interconnection Team at CBT has reviewed the Telecommunications Act of 1996 and the FCC's interconnection order to determine the impact of competition on CBT's network investment. Currently the view at CBT is that most of the early competition that the Company can expect will be in the form of resale and the provisioning of unbundled network elements to new Competitive Local Exchange Carriers (CLECs).

With input from these two groups at CBT, the Capital Recovery staff has determined that an appropriate projection life for aerial fiber cable at CBT may be slightly higher than the TFI recommended range of 15 to 20 years. Therefore, based upon the conclusions presented in this narrative, CBT proposes a projection life of 22 years for the Aerial Cable Non-Metallic account.

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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2422.11 Underground Cable
Category: 5C Metallic

PROPRIETARY NARRATIVE

Future Expectations

The Underground Cable-Metallic account has no cable classified as interoffice and 77% of the account is classified as feeder plant. This statistic makes underground copper extremely vulnerable to replacement by fiber as CBT continues transitioning the transport network to a fully SONET, broadband capable network. Technology substitution analysis performed by TFI indicates that fiber based NGDLC systems will replace voice frequency copper cable and metallic based DLC systems with 50% of access lines by 2004, 90% by 2010 and total replacement by 2015.¹ For feeder plant CBT's 1994 underground copper life cycle was slightly longer with peak investment in 1998 and zero investment in 2017. Given the changes in the competitive and regulatory environment and CBT's short-term fiber plans discussed below, the life expectancy for underground copper cable has shifted to toward the life predicted by TFI. CBT's 1997 construction budget demonstrates that these forecasts for copper replacement by fiber technologies are realistic.

Short-term plans for SONET ring construction include additional rings being added to the existing Circleport SONET ring that serves the Northern Kentucky/Greater Cincinnati International Airport and several large office and industrial complexes in the surrounding area. Construction of the new Thomas More SONET ring is scheduled to begin in 1997. This ring will encompass an area that includes one of greater Cincinnati's major universities, a hospital and a large manufacturer of electrical equipment.

In addition to the planned SONET ring activity, CBT is planning the construction of a new feeder route technology. This new technology called TR-303 is comprised of fiber optic feeder cable, TR-303 remote terminals and a SESS interface. This application represents the next generation digital loop carrier (NGDLC) that is discussed in the General OSP narrative. Details about CBT's planned implementation of TR-303 based feeder routes can be found in the Underground Cable Non-Metallic proprietary narrative. This combination of fiber construction activities will stimulate retirements of

¹L. K. Vanston and R. L. Hodges, "Depreciation Lives For Telecommunications Equipment," 1995, p.18.

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underground copper cable and increase the percentage of fiber cable present in the transport network at CBT.

As stated in the General Outside Plant narrative, CBT projection life proposals are based on the substitution analysis performed by the principals of Technology Futures Inc. The substitution analysis was performed using the Fisher-Pry Model to predict the rate at which a new technology will replace an older technology in the marketplace. In the case of copper cable, the model predicted the rate at which fiber cable would replace copper as a result of demand for new services and a reduction in the cost of fiber and the associated electronics that are required for optical transmission. Table 1 below illustrates the conversion of the TFI forecasted average remaining lives for copper cable to the proposed projection life for underground copper cable.

Table 1

Development of Projection Life
Underground Cable - Metallic

Cable Type	TFI Remaining Life ²	CBT Investment (\$00)	Life Weights - Low	Low Target Remaining Life (Yr)	Life Weights - High	High Target Remaining Life (Yr)	CBT Proposed P-Life
Interoffice	2.9	0	0		0		
Feeder	7.0 to 7.8	96,763	677,340		754,750		
Distribution	7.5 to 10.2	28,740	215,551		293,150		
Totals:		125,503	892,891		1,047,190		
Remaining Life:				7.1		8.3	
Projection Life:				15.5		17.0	15.0

Although the research reports written by TFI consider competition as one of the key drivers affecting the lives of telecommunications plant, the forecasted remaining lives developed by TFI in the reports were based only upon the substitution analysis. When competition from PCS and cable voice services are included in the analysis, the estimated average remaining life for copper investment is between two and four years.³ Subject matter experts at CBT have reviewed the information presented by TFI, past experience and future plans for fiber optic cable at CBT. An internal Interconnection

²Ibid, pg. 33.

³L. K. Vanston and C. Rogers, "Wireless And Cable Voice Services-Forecasts and Competitive Impacts", 1995, pg. 58.

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Team at CBT has reviewed the Telecommunications Act of 1996 and the PUCO's Interconnection Order to determine the impact of competition on CBT's network investment. Currently the view at CBT is that most of the early competition that the Company can expect will be in the form of resale and the provisioning of unbundled network elements to new Competitive Local Exchange Carriers (CLECs).

Without competition, the life expectancy for underground copper cable has decreased with the introduction of fiber based NGDLC systems for feeder plant. With competition, an element of risk is added to the investment in the transport network that must be recognized. Based on these conclusions, the Company proposes a projection of 15 years for the Underground Cable-Metallic account.

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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2422.12 Underground Cable
Category: 85C Non-Metallic

PROPRIETARY NARRATIVE

Future Expectations

Underground Cable Non-Metallic is the largest fiber account at CBT and has increased from 13.7% of total underground cable at the time of the last depreciation study to 15.8% today. This trend is expected to continue with increased applications of underground fiber for additional SONET rings and the introduction of feeder routes that are comprised of fiber optic feeder cable, TR-303 remote terminals and a 5ESS interface. This application represents the next generation digital loop carrier (NGDLC) that is discussed in the General OSP narrative. This technology offers a multitude of benefits over current DLC systems. The two primary benefits of TR-303 is its capability to move the concentration function out of the switch to the remote terminal and the fact that TR-303 is fully SONET capable. The first application of this new technology at CBT is expected to be operational in the second quarter of 1997. Network planners at CBT are recommending an aggressive deployment of TR-303 technology that approximates the annual growth forecasted by market analysis. This growth is estimated to include TR-303 interfaces at 12 - 15 wire centers and up to 75 remote terminals in the coming year. TR-303 installations and the continued build out of SONET rings in CBT's transport network is expected to make a major impact in the amount of fiber optic cable that is placed into service in the next several years at CBT.

As stated in the General Outside Plant narrative, CBT projection life proposals are based on the substitution analysis performed by the principals of Technology Futures Inc. However, for fiber optic cable, no substitution analysis was performed since no viable replacement for fiber exists with the exception of early replacement of multi-mode fiber with improved single-mode fiber. The factors that influence the life of fiber cable were developed and presented in the Aerial Cable Non-Metallic proprietary narrative. This analysis applies to underground fiber as well. The major difference between the two accounts is the environmental conditions encountered in the field. At this early stage in the life of fiber cable, no determination can be made as to whether variation in the placement of fiber cable will have a measurable impact in the life characteristics due to mechanical or optical degradation.

Underground fiber cables at CBT have experienced three of the mortality factors and competition that were discussed in the aerial fiber proprietary narrative. Underground

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fiber cables have been retired at CBT as a result of relocations and routing reconfiguration. Still other underground fiber cable retirements were caused by mechanical and optical failures. These events and subsequent cable retirements have begun to occur in the Underground Cable Non-Metallic account over the last eight years as illustrated on the Account Investment Summary. In regard to competition, CBT has experienced direct competition for network services in the form of CAP provided alternative access targeted mainly at large and medium sized business customers.

Subject matter experts at CBT have reviewed the information presented by TFI, past experience and future plans for fiber optic cable at CBT. An internal Interconnection Team at CBT has reviewed the Telecommunications Act of 1996 and the FCC's interconnection order to determine the impact of competition on CBT's network investment. Currently, the view at CBT is that most of the early competition that the Company can expect will be in the form of resale and the provisioning of unbundled network elements to new Competitive Local Exchange Carriers (CLECs).

With input from these two groups at CBT, the Capital Recovery staff has determined that an appropriate projection life for underground fiber cable at CBT may be slightly higher than the TFI recommended range of 15 to 20 years and similar to that of aerial fiber cable. Therefore, based upon the conclusions presented in this narrative, CBT proposes a projection life of 22 years for the Underground Cable Non-Metallic account.

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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2423.11 Buried Cable
Category: 45C Metallic

PROPRIETARY NARRATIVE

Future Expectations

A number of probable occurrences will combine to influence the life of buried copper cable. One scenario would be a full-scale PCS network in competition with CBT's wireline network. Unlike other competitors that require cable transport networks (cable TV, CLECs/CAPs), a full-scale PCS network could effectively bypass the entire wireline network. In a partial PCS environment, upgraded interoffice and feeder cable may still be utilized to provide transport for PCS traffic, but distribution cable would no longer be a required component of the network.¹ Distribution cable represents the largest portion of CBT's investment in the transport network and 96% of buried copper cable is classified as distribution cable.

Another range of scenarios can be constructed from the interconnection that was mandated by the Telecommunications Act Of 1996. This range encompasses simple CAP provided access to complete bypass by a competitive local exchange carrier (CLEC). Also included within this range are intermediate levels of competition going from resale of LEC provided services to provisioning of unbundled network elements (loops, ports) for CLECs to use to provide service to their customers. In all but the bleakest market loss scenarios, the distribution portion of the network will be used to provide service to CBT's retail and wholesale customers (competitors). Under most competitive conditions for wireline services, the interoffice and feeder cables are at greater risk of being stranded investment since most communications providers, with the exception of cable TV operators, would be hesitant to invest the capital required to build a distribution network comparable to that of a LEC.

Even in the absences of competition, the demand for high speed data and broadband services will drive the conversion of the distribution network from copper to fiber. At CBT, as is the case with all LECs, this transition began with interoffice and more recently feeder portions of the network. Due to the costs (embedded and new) and the technical issues that needed to be resolved, this was the only sensible strategy to follow. However, the costs of providing fiber facilities at the distribution level are reaching a point that is economically feasible to begin this transition. Depending upon

¹L. K. Vanston and C. Rogers, "Wireless and Cable Voice Services," 1995, pg 28.

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Company: Cincinnati Bell Telephone
 State: Total Company
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 Category: 45C Metallic

the competitive climate faced by CBT, this conversion to fiber at the distribution level will begin with trials in areas where the network is expanding and eventually displace the embedded copper distribution network. Long range planners at CBT are currently studying the feasibility of fiber to the neighbor (FTTN) and fiber to the curb (FTTC) applications. Negotiations with vendors to provide the necessary equipment are underway. Limited trials of these applications are expected to occur at CBT within the next couple of years.

As stated in the General Outside Plant narrative, CBT projection life proposals are based on the substitution analysis performed by the principals of Technology Futures Inc. The substitution analysis was performed using the Fisher-Pry Model to predict the rate at which a new technology will replace an older technology in the marketplace. In the case of copper cable, the model predicted the rate at which fiber cable would replace copper as a result of demand for new services and a reduction in the cost of fiber and the associated electronics that are required for optical transmission. Table 1 below illustrates the conversion of the TFI forecasted average remaining lives for copper cable to the proposed projection life for buried copper cable.

Table 1

Development of Projection Life
 Buried Cable - Metallic

Cable Type	TFI Remaining Life ²	CBT Investment (000)	Life Weights - Low	Low Target Remaining Life Run	Life Weights - High	High Target Remaining Life Run	CBT Proposed P-Life
Interoffice	2.9	709	2,055		2,055		
Feeder	7.0 to 7.8	3,897	27,281		30,399		
Distribution	7.5 to 10.2	113,495	851,213		1,157,850		
Totals:		118,101	880,549		1,190,104		
Remaining Life:				7.50		10.10	
Projection Life:				14.0		14.5	17.0

Although the research reports written by TFI consider competition as one of the key drivers affecting the lives of telecommunications plant, the forecasted remaining lives

²L. K. Vanston and R. L. Hodges, "Depreciation Lives For Telecommunications Equipment," 1995, pg. 33.

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competitive environment and future plans for
ion network, the projection lives for buried
ne TFI average remaining lives were too
very staff at CBF considered all the factors
that a projection life of 17 years would be
tallic account.

Given CBT's current view of the competitive environment and future plans for placement of fiber cable in the distribution network, the projection lives for buried copper cable derived from targeting the TFI average remaining lives were too aggressive. SMEs and the Capital Recovery staff at CBT considered all the factors discussed in this narrative and concluded that a projection life of 17 years would be more appropriate for the Buried Cable-Metallic account.

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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2423.12 Buried Cable
Category: 845C Non-Metallic

PROPRIETARY NARRATIVE

Future Expectations

CBT's investment in buried fiber cable has not experienced an appreciable change since a large addition in 1991, with the ratio of buried fiber to total buried cable remaining near 0.3%. The majority of CBT's investment in buried fiber cable is used to provide access for a major LXC customer.

Limited growth of buried fiber cable is not unexpected considering CBT's strategy for the deployment of fiber optics in the network. To date, CBT's deployment of fiber cable has been restricted to the interoffice and feeder routes of the transport network. These routes provide the economies of scale and economic benefits that are required for fiber to displace the copper investment. Since buried cable is primarily used for distribution facilities at CBT, it stands to reason that this account would be the last OSP account to experience large expenditures for fiber cable. This situation is about to change at CBT. The cost of providing fiber facilities at the distribution level are reaching a point at which it is economically feasible to begin this transition. Long range planners at CBT are currently studying the feasibility of fiber to the neighbor (FTTN) and fiber to the curb (FTTC) applications. Negotiations with vendors to provide the necessary equipment are underway. Limited trials of these applications are expected to occur at CBT within the next couple of years.

At this time, CBT believes that buried fiber cable will experience mortality characteristics similar to other fiber accounts. The Company proposes a projection life of 22 years for the Buried Cable Non-Metallic account.

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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2426.20 Intrabldg Network Cable
Category: 812C Non-Metallic

PROPRIETARY NARRATIVE

Future Expectations

Intrabuilding fiber is a distribution facility primarily used to provide SONET access and high-speed data services requested by business customers. Intrabuilding Cable Non-Metallic has increased from 8.2% of total intrabuilding cable at the time of the last depreciation study to 13.2% today. The Company expects investment in intrabuilding fiber to grow as more office buildings are connected to the many fiber SONET rings that have been placed into service in CBT's network. Fiber is also the preferred medium of transport for CBT's LAN interconnection offering. This service has been well received by the business community and market forecasts indicate that the provisioning of this service will increase the amount of intrabuilding fiber placed into the loop network.

Since intrabuilding fiber is a distribution element, the influences of competition affect its life expectancy differently than other fiber accounts that are primarily composed of interoffice and feeder cables. The Telecommunication Act of 1996 and the subsequent PUCO Interconnection Order provide guidelines that LECs must follow to open their networks to competition. Guidelines requiring incumbent LECs (ILECs) to provide unbundled network elements and equal access to competitors and customers alike, have forced them to evaluate current network configurations and assess the potential problems associated with compliance. An intracompany task force is currently analyzing the logistics of interconnection and the competitive environment to determine the impact on intrabuilding cable investment. As with intrabuilding copper cable, the Company is considering actions to reclassify a portion of this account to the other cable accounts and write off the balance that extends beyond the minimum point of entry (MPOE) demarcation point designated in the interconnection order. This action will effectively eliminate the intrabuilding cable accounts. At this point in time, the task force has not determined the dollar value of the investment subject to reclassification or the amount that may be reclassified as CPE.

Based upon the uncertain future facing this account and the normal factors that influence the mortality of fiber cable which were discussed in the Aerial Cable Non-Metallic proprietary narrative, the Company proposes a projection life of 20 years for the Intrabuilding Network Cable Non-Metallic account.

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Company: Cincinnati Bell Telephone
State: Total Company
Account: 2426.10 Intrabldg Network Cable
Category: 12C Metallic

PROPRIETARY NARRATIVE

Future Expectations

The placement and ownership of intrabuilding cable within CBT's network has come under scrutiny since the mandatory rules for interconnection were published. The Telecommunication Act of 1996 and the subsequent PUCO Interconnection Order provide guidelines that LECs must follow to open their networks to competition. The guidelines that require incumbent LECs (ILECs) to provide unbundled network elements and equal access to competitors and customers alike, have forced them to evaluate current network configurations and assess the potential problems associated with compliance. An intracompany task force is currently analyzing the logistics of interconnection and the competitive environment to determine the impact on intrabuilding cable investment. The Company is considering actions to reclassify a portion of this account to the other cable accounts and write off the balance that extends beyond the minimum point of entry (MPOE) demarcation point designated in the interconnection order. This action will effectively eliminate the intrabuilding cable accounts. At this point in time, the task force has not determined the dollar value of the investment subject to reclassification or the amount that may be reclassified as CPE.

Even without the problems associated with interconnection, intrabuilding copper cable at CBT has reached its peak investment and is expected to begin declining in the 1997-1998 timeframe. Even though intrabuilding cable is considered to be 100% distribution cable, it has very different life characteristics than other distribution facilities like buried cable. During the period between CBT's depreciation studies, intrabuilding fiber installations have almost doubled those of intrabuilding copper. The Company expects investment in intrabuilding fiber to grow as more office buildings are connected to the many fiber SONET rings that have been placed into service in CBT's network. Fiber is also the preferred medium of transport for CBT's LAN interconnection offering. This service has been well received by the business community and market forecasts indicate that the provisioning of this service will increase the amount of intrabuilding fiber placed into the loop network. How this investment will be classified has yet to be determined by the task force that is studying the interconnection issues.

As stated in the General Outside Plant narrative, CBT projection life proposals are based on the substitution analysis performed by the principals of Technology Futures Inc. The

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Category: 12C Metallic

substitution analysis was performed using the Fisher-Pry Model to predict the rate at which a new technology will replace an older technology in the marketplace. In the case of copper cable, the model predicted the rate at which fiber cable would replace copper as a result of demand for new services and a reduction in the cost of fiber and the associated electronics that are required for optical transmission. Table 1 below illustrates the conversion of the TFI forecasted average remaining lives for copper cable to the proposed projection life for intrabuilding network copper cable.

Table 1

Development of Projection Life
Intrabuilding Network Cable - Metallic

Cable Type	TFI Remaining Life	Low Target P-Life	High Target P-Life	CBT Proposed P-Life
Distribution	7.5 to 10.2	8.0	10.5	14.5

Subject matter experts at CBT have reviewed the information presented by TFI, past experience and future plans for the installation of intrabuilding cable at CBT. The interconnection team and task force studying the logistics of interconnection at CBT have also provided information to the Capital Recovery staff for purposes of estimating the life of intrabuilding cable. Given CBT's current view of the competitive environment and future plans for placement of fiber in place of copper for intrabuilding applications, the projection lives for intrabuilding copper cable derived from targeting the TFI average remaining life for distribution cable is somewhat lower than required for recovery of this investment. Therefore, the Company proposes a 14.5 year projection life for the Intrabuilding Network Cable-Metallic account.

¹L. K. Vanston and R. L. Hodges, "Depreciation Lives For Telecommunications Equipment," 1995, pg. 33.

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Cincinnati Bell Telephone
Forecasted Additions and Retirements
January 1, 1997 through January 1, 2000
(3000)

DATE CATEGORY	1/1/97	1997		1/1/98	1998		1/1/99	1999		1/1/00
	TPIS	Additions	Retirements	TPIS	Additions	Retirements	TPIS	Additions	Retirements	TPIS
MOTOR VEHICLES	15,367	2,002	1,488	15,881	2,002	1,312	16,371	2,002	1,873	16,800
GARAGE WORK SOFT	754	0	10	754	0	10	744	0	12	732
OTHER WORK SOFT	8,822	1,802	180	11,824	1,802	180	13,428	1,802	180	15,178
BUILDINGS	119,722	8,366	1,150	124,838	8,366	400	130,804	8,366	325	138,848
FURNITURE	14,175	300	100	14,375	300	180	14,575	300	100	14,775
OFFICE SUPPORT SOFT	5,275	0	10	5,280	0	10	5,288	0	10	5,248
COMPANY COMMUN SOFT	12,316	100	75	12,291	100	75	12,316	100	100	12,316
GENL. PURPOSE COMP.	40,257	11,211	1,800	58,008	11,211	1,800	65,718	11,211	2,000	74,830
ANALOG ELEC SWITCH	22,000	200	10,900	11,798	180	8,888	2,000	0	2,000	0
DIGITAL ELEC SWITCH	253,470	18,444	2,900	271,414	18,444	1,800	288,388	18,444	2,000	304,832
OPER SYSTEMS - DIGITAL	4,377	100	100	4,377	100	1,800	2,377	100	0	3,077
RADIO SYSTEMS	801	0	0	801	0	0	801	0	0	801
DIGITAL CIRCUIT SOFT	138,050	22,540	5,000	216,805	22,540	8,000	233,154	22,540	8,000	248,703
ANALOG CIRCUIT SOFT	13,000	200	450	13,008	200	800	12,800	200	800	12,000
OTHER TERMINAL SOFT	5,884	701	400	5,385	701	800	5,585	701	300	5,987
POLES	21,000	1,540	350	22,557	1,540	400	34,000	1,540	400	35,140
AERIAL CABLE: MET	150,211	7,216	1,500	145,727	7,216	1,700	150,243	7,216	1,800	155,658
AERIAL CABLE: NON-MET	5,540	2,881	50	12,383	2,881	100	16,174	2,881	100	17,885
UNDERGROUND CA: MET	105,017	3,278	750	105,017	3,278	1,000	107,000	3,278	1,000	109,000
UNDERGROUND CA: NON-MET	18,000	2,774	75	20,079	2,774	75	20,079	2,774	75	20,352
BURIED CABLE: MET	87,000	5,440	300	97,520	5,440	400	97,000	5,440	400	97,800
BURIED CABLE: NON-MET	0	0	0	602	0	0	0	0	0	0
INTRABLD CA: MET	20,000	800	150	25,321	800	200	25,321	800	200	26,201
INTRABLD CA: NON-MET	3,140	1,311	10	5,085	1,311	10	5,085	1,311	10	7,700
AERIAL WIRE	1,110	0	30	1,140	0	0	1,170	0	40	1,190
CONDUIT SYSTEMS	50,501	1,523	50	51,044	1,523	50	52,487	1,523	75	53,825

February 18, 1997

Page 1

AT&T REQUEST FOR INFORMATION NO. 3:

RECEIVED - PROMETING DIV

99 MAR 16 PM 3:35

AT&T Ex. No. 9

Confidential

Provide and describe CBT's current planning forecasts relating to the data requested in Request No. 1 for the years 1998 forward.

RESPONSE:

CBT considers the information contained on the attachment to be confidential and proprietary and is being provided under the provisions of the executed confidential agreement.

Notwithstanding, please see the attached for CBT's response.

Respondent:

R. C. Coogan
Vice President - Accounting

Ohio MR
03/19/98
04:42 PM

RATE CATEGORY NAME 5

	1998		1999		2000		2001		2002		2003		2004		2005	
	E/Y Investment	Book Reserve	E/Y Investment	Book Reserve	E/Y Investment	Book Reserve	E/Y Investment	Book Reserve	E/Y Investment	Book Reserve	E/Y Investment	Book Reserve	E/Y Investment	Book Reserve	E/Y Investment	Book Reserve
2112 00 MOTOR VEHICLES	17163183	8991780	17492163	9393178	17733163	9747429	18176663	10318008	18176663	12300266	18176663	14281624	18176663	18262777	18176663	18244033
2115 00 GARGI WORK FOP	752013	464471	740013	469316	728013	494425	717013	538089	717013	586026	717013	650963	717013	700880	717013	762807
2116 00 GARGI WORK FOP	8663994	3791141	10415894	4423373	12117894	5145991	13882394	6988378	13882394	7192852	13882394	8317326	13882394	9441800	13882394	10466274
2121 00 FURNITURE	12515984	39327070	131210584	42095892	137260514	46267066	143088834	49749320	143088834	53898890	143088834	58048472	143088834	62198048	143088834	67342625
2122 10 FURNITURE	651205	555033	601205	553241	551205	547899	501205	539308	501205	573891	501205	608474	501205	643057	501205	677640
2123 10 OFFICE SUPPORT EQPT	4781554	3000585	4871554	3339997	4961554	3685088	5051554	4037061	5051554	4400772	5051554	4784484	5051554	5128196	5051554	5491906
2125 20 COMPANY COMMUN EQPT	7207621	5808537	7207621	6058303	7157621	6455799	7157621	6098827	7157621	7438642	7157621	7973484	7157621	8519288	7157621	9047107
2124 00 GENL PURPOSE COMPUTER	50510785	31318875	59721785	36198067	68432785	41711490	77768785	48901038	77768785	58388428	77768785	67876620	77768785	77384411	77768785	88852203
Sub-Total: Computers	214886819	92993463	232250819	103110567	248948819	114056290	266344089	127053030	266344089	144187172	266344089	162521314	266344089	180255455	266344089	197989591
2211 00 ANALOG ELEC SWITCH	11380113	11379234	11140113	11153484	1940113	2855284	1740113	2685284	1740113	2685284	1740113	2685284	1740113	2685284	1740113	2685284
2212 00 DIGITAL ELEC SWITCH	308677088	128246281	326621088	148172909	340565088	170858668	354009088	183133058	354009088	220745767	354009088	248358474	354009088	275971181	354009088	303583888
2215 20 CROSSBAR MECH SWITCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2220 00 MECH SYSTEMS (OTHER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2220 00 MECH SYSTEMS (DIGITAL)	7738863	4017940	7830863	4382284	7934863	4751207	8029863	5122094	8029863	5499498	8029863	5876903	8029863	6254307	8029863	6631712
2231 20 RADIO SYSTEMS	505164	414639	505164	498187	505164	521734	505164	575282	505164	628828	505164	682376	505164	739824	505164	789471
2232 10 DIGITAL CIRCUIT EQPT	247261598	128862483	288910598	148384140	285458598	168872354	303088598	181286125	303088598	21845825	303088598	247645724	303088598	275825624	303088598	304005328
2232 20 ANALOG CIRCUIT EQPT	12866158	12627585	12816158	13413737	12418158	13928859	12218158	14812781	12218158	15687803	12218158	16782824	12218158	17837846	12218158	18912888
2351 00 PUBLIC TEL TERM EQPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2382 00 OTHER TERMINAL EQPT	5680452	3870177	6211462	4474184	6742462	5128838	7253462	5825888	7253462	8747088	7253462	7868249	7253462	8689438	7253462	9510828
2411 00 POLES	33320116	21990148	34552116	24443510	35791116	27019581	37024116	28884738	37024116	32898886	37024116	38283032	37024116	38680178	37024116	42878325
2421 11 AERIAL CABLE MET	149107547	104504998	158353547	115355595	162165547	128841829	187801547	138737856	187801547	153008487	187801547	187281119	187801547	181552759	187801547	195824382
2421 12 AERIAL CABLE NON-MET	13218281	3285010	18449281	4138783	19282281	5188811	22123281	6407284	22123281	7773837	22123281	9148581	22123281	10517224	22123281	11888867
2422 11 UNDERGROUND CA MET	107345681	60889385	110844681	88319490	113595681	89978993	118321881	103807754	118321881	112531880	118321881	121258005	118321881	129880133	118321881	138704259
2422 12 UNDERGROUND CA NON-MET	23537822	7523388	28838822	8870888	29344822	18388822	32048822	12888822	32048822	13887822	32048822	157138822	32048822	175405822	32048822	18367588
2423 11 BURIED CABLE MET	93115798	38750388	98781798	44628498	104871798	50914814	110231798	57807749	110231798	54682584	110231798	71717419	110231798	7872254	110231798	85827089
2423 12 BURIED CABLE NON-MET	611871	175055	808371	712880	1004871	259888	1188871	317821	1188871	388814	1188871	454408	1188871	522788	1188871	591192
2424 11 SUBMARINE CABLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2426 10 INTRABLD CA MET	25481914	21577284	26378914	23063348	26888914	24588914	27348914	26131380	27348914	27908914	27348914	28888914	27348914	31484088	27348914	33241558
2426 20 INTRABLD CA NON-MET	4880867	1858805	6828867	1958135	7951867	2339786	9318867	2790886	9318867	3284787	9318867	3778448	9318867	4271889	9318867	4768830
2431 00 AERIAL WARE	1159920	968033	1182820	1148408	1224820	1274833	1258820	1438842	1258820	1638863	1258820	1843884	1258820	2048805	1258820	2268826
2441 00 CONDUIT SYSTEMS	64179099	26118278	88882099	28884084	88882099	28127849	88354099	28887426	88354099	31408278	88354099	33115131	88354099	34823883	88354099	38332836
Sub-Total: Regulated	1110228480	585841180	1178209988	670381139	1224728450	738827785	1278887480	821804532	1278887480	920820530	1278887480	1018838328	1278887480	1118882526	1278887480	1217888523
2123 210A COMP COMMUNICATIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2124 00A GLNLT COMPUTERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2212 00A ELECTRONIC-DIGITAL	602841	578281	602841	578281	602841	578281	602841	578281	602841	578281	602841	578281	602841	578281	602841	578281
2381 100A TELETYPEWRITER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2391 200A TELEPHONE & MISC	111238	111238	111238	111238	111238	111238	111238	111238	111238	111238	111238	111238	111238	111238	111238	111238
2381 300A RADIO SIA APP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2381 400A FAX - (OTHER INF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2381 500A PUBLIC TELEPHONE (INF)	9113680	2770630	9218680	2888931	9320680	3231270	9418880	3487443	9418880	4107982	9418880	4748521	9418880	5388058	9418880	6029598
2382 300A INTERNET ACCESS 501NC	345801	45135	345801	180220	345801	295305	345801	141881	345801	525478	345801	640561	345801	755646	345801	870731
2382 400A VOICE MAIL 502NC	3743313	3389523	5544313	4551877	7345313	6183080	7345313	7889408	7345313	9835738	7345313	11872085	7345313	13888383	7345313	15844721
2382 500A DATA STRATEGIES 504NC	883457	58155	783457	48448	813457	25133	438457	141752	438457	938857	438457	44414	438457	4255	438457	52923
Sub-Total: Non Regulated	14779940	8974382	16585940	8468895	18338940	10354041	18262940	12429908	18262940	15085830	18262940	17708261	18262940	20348872	18262940	22987493
SMALL VALUE ITEMS	21477667	12931732	16108250	8888788	10738833	6485886	5389418	3232933	5389418	3232933	5389418	3232933	5389418	3232933	5389418	3232933
LEASEHOLD IMPROVEMENTS	17175460	7378158	18925460	7887883	20875460	8527935	22627450	8087087	22627450	8087087	22627450	8087087	22627450	8087087	22627450	8087087
CAPITAL ITEM 1 FASER	34220831	12097612	34195831	13405941	34170831	14754270	34070831	18027589	34070831	18027589	34070831	18027589	34070831	18027589	34070831	18027589
20201 Intangible Assets	9500000	0	9500000	0	9500000	0	9500000	0	9500000	0	9500000	0	9500000	0	9500000	0
Sub-Total: Amortizations	82373948	37367502	18720631	31063523	75085114	29748071	71567697	28357819	71567697	28357819	71567697	28357819	71567697	28357819	71567697	28357819
2111/2122 Land/Art	4816521	0	4718521	0	4816521	0	4916521	0	4916521	0	4916521	0	4916521	0	4916521	0
TEL PLANT UNDER CONST	16134537	0	16134537	0	16134537	0	16134537	0	16134537	0	16134537	0	16134537	0	16134537	0
Sub-Total: Miscellaneous	20751058	0	20851058	0	20951058	0	21051058	0	21051058	0	21051058	0	21051058	0	21051058	0
Total	1443021225	728282510	1527627308	813012218	1588052391	893785156	1657113224	988740190	1657113224	1109130951	1657113224	1228521711	1657113224	1347812472	1657113224	1467303237

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RATE CATEGORY NAMES

	1998.0		1998.0		2000.0		2001.0		2002.0		2003.0		2004.0		2005.0
	Depr Accr	Amort Accr	Depr Accr	Amort Accr	Depr Accr	Amort Accr	Depr Accr	Amort Accr	Depr Accr	Amort Accr	Depr Accr	Amort Accr	Depr Accr	Amort Accr	Depr Accr
2112.00 MOTOR VEHICLES	1816839	0	1888715	0	1919780	0	1957088	0	1981256	0	1981256	0	1981256	0	1981256
2115.00 GARAGE WORK EQPT	55147	0	58189	0	57263	0	58356	0	55927	0	55927	0	55927	0	55927
2116.00 OILER WORK EQPT	669375	0	772731	0	912618	0	1053012	0	1124474	0	1124474	0	1124474	0	1124474
2121.00 BUILDINGS	3603528	0	3717222	0	3892774	0	4065154	0	4149576	0	4149576	0	4149576	0	4149576
2122.10 FURNITURE	46313	0	43208	0	38758	0	36308	0	34583	0	34583	0	34583	0	34583
2123.10 OFFICE SUPPORT EQPT	344832	0	347512	0	353892	0	360472	0	363712	0	363712	0	363712	0	363712
2123.20 COMPANY COMMUN EQPT	538634	0	540572	0	538887	0	538822	0	538822	0	538822	0	538822	0	538822
2124.00 GENL PURPOSE COMPUTE	5038252	0	8724187	0	7817428	0	8918286	0	9487782	0	9487782	0	9487782	0	9487782
Sub-Total Common	12711820	0	14092337	0	15532301	0	16883504	0	17734142	0	17734142	0	17734142	0	17734142
2211.00 ANALOG ELEC SWITCH	0	3634986	0	0	0	0	0	0	0	0	0	0	0	0	0
2212.00 DIGITAL ELEC SWITCH	23043911	0	24776627	0	26020258	0	27088391	0	27812707	0	27812707	0	27812707	0	27812707
2215.20 CROSSBAIL MECH SWITCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2220.00 OPER SYSTEMS - OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2220.00 OPER SYSTEMS - DIGITAL	338750	0	368031	0	370637	0	375172	0	377405	0	377405	0	377405	0	377405
2231.20 RADIO SYSTEMS	53282	0	53547	0	53547	0	53547	0	53547	0	53547	0	53547	0	53547
2232.10 DIGITAL CIRCUIT EQPT	21881840	0	24008857	0	25778214	0	27363771	0	28179800	0	28179800	0	28179800	0	28179800
2232.20 ANALOG CIRCUIT EQPT	1148422	0	1134422	0	1110222	0	1083822	0	1075022	0	1075022	0	1075022	0	1075022
2351.00 PUBLIC TEL TERM EQPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2382.00 OTHER TERMINAL EQPT	701734	0	753887	0	822574	0	888741	0	921190	0	921190	0	921190	0	921190
2411.00 POLES	2935230	0	3020314	0	3130274	0	3240278	0	3295146	0	3295146	0	3295146	0	3295146
2421.11 AERIAL CABLE: MET	12482481	0	12962086	0	13538836	0	14027428	0	14271831	0	14271831	0	14271831	0	14271831
2421.12 AERIAL CABLE: NON-MET	737910	0	918832	0	1107888	0	1203882	0	1371843	0	1371843	0	1371843	0	1371843
2422.11 UNDERGROUND CA: MET	7056751	0	8182138	0	8418514	0	8821901	0	8724126	0	8724126	0	8724126	0	8724126
2422.12 UNDERGRD CA: NON-MET	1280702	0	1430040	0	1595540	0	1748725	0	1828789	0	1828789	0	1828789	0	1828789
2423.11 BURIED CABLE: MET	5778963	0	6172723	0	6552115	0	6888515	0	7054835	0	7054835	0	7054835	0	7054835
2423.12 BURIED CABLE: NON-MET	29177	0	40505	0	51708	0	62635	0	68393	0	68393	0	68393	0	68393
2424.11 SUBMARINE CABLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2426.10 INTRABLD CA: MET	1848759	0	1885412	0	1730424	0	1781848	0	1777549	0	1777549	0	1777549	0	1777549
2426.20 INTRABLD CA: NON-MET	238100	0	303830	0	389071	0	457880	0	493741	0	493741	0	493741	0	493741
2431.00 AERIAL WIRE	185388	0	190580	0	185645	0	201829	0	203821	0	203821	0	203821	0	203821
2441.00 CONDUIT SYSTEMS	1583815	0	1821765	0	1858465	0	1881385	0	1708852	0	1708852	0	1708852	0	1708852
Sub-Total - Regulated	81878833	3834986	87638868	0	82515032	0	88538211	0	88015880	0	88015880	0	88015880	0	88015880
2123.210A COMP COMMUNICATIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2124.000A GENL COMPUTERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2212.00A ELECTRONIC-DIGITAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2311.100A TELETYPEWRITER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2311.200A TELEPHONE & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2311.300A RADIO STA APP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2341.100A LARGE PBX - OTHER (NR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2351.100A PUBLIC TELEPHONE (NR)	575225	0	623307	0	630339	0	637173	0	640539	0	640539	0	640539	0	640539
2382.300A INTERNET ACCESS 601N	55135	0	115085	0	115085	0	115085	0	115085	0	115085	0	115085	0	115085
2382.400A VOICE MAIL 502NC	888328	0	1168853	0	1811203	0	1838328	0	1838328	0	1838328	0	1838328	0	1838328
2382.500A DATA STRATEGIES 504N	83089	0	90284	0	78419	0	58381	0	48689	0	48689	0	48689	0	48689
Sub-Total - Non-Regulated	1801787	0	18888633	0	2433048	0	2640688	0	2640621	0	2640621	0	2640621	0	2640621
SMALL VALUE ITEMS	0	2138483	0	2138484	0	2138484	0	2138484	0	0	0	0	0	0	0
LEASE/HOLD IMPROVEMENTS	0	830825	0	830825	0	818152	0	818152	0	0	0	0	0	0	0
CAPITALIZED LEASES	0	1407855	0	1373329	0	1373329	0	1373329	0	0	0	0	0	0	0
2690 Intangibles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Total - Amortizations	0	4375063	0	4340438	0	4328865	0	4328865	0	0	0	0	0	0	0
2111/2122 Land/Air	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEL PLANT UNDER CONST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Total - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	96290440	8210059	103721968	4340438	110489379	4328865	118488882	4328865	118380781	0	118380781	0	118380781	0	118380781

Sequence Number	Case Number	Case Description	Number Pages	Filing Number
413070	00-678-TP-AEC	AMERITECH OHIO/DIECA COMMUNICATIONS	24	1
413071	00-679-CT-ZTA	CONNECT AMERICA COMMUNICATIONS INC.	14	1
413072	90-5622-CT-TRF	CONNECT AMERICA COMMUNICATIONS, INC	14	4
413073	00-680-TP-NAG	CINCINNATI BELL/TCG OHIO	10	1
413074	00-681-GA-GPS	CINCINNATI GAS & ELECTRIC CO.	1	1
413075	97-1409-GA-AEC	CG&E/GENERAL ELECTRIC AIRCRAFT	6	3
413076	97-1559-GA-AEC	CG&E/MIDDLETOWN PAPERBOARD	6	4
413077	97-1560-GA-AEC	CG&E/FRANKLIN BOXBOARD CORP.	6	4
413078	98-1191-GA-AEC	CG&E/PROCTER & GAMBLE CO.	6	2
413079	98-1416-GA-AEC	CG&E/JEFFERSON SMURFIT CO.	6	2
413080	98-1455-GA-AEC	CINCINNATI GAS & ELECTRIC COMPANY	6	3
413081	99-1138-TP-CSS	ZOOMNET, INC./GTE NORTH, INC.	2	12
413082	99-1631-EL-AEC	OHIO VALLEY ELECTRIC/US OF AMERICA	4	2
413083	00-104-EL-EFC	Ohio Edison	7	3
413084	00-106-EL-EFC	Monongahela Power	7	3
413085	00-332-TP-AIS	BUCKLAND TELEPHONE COMPANY	2	3
413086	00-337-TP-AIS	MCCLURE TELEPHONE COMPANY	2	3
413087	00-340-TP-AIS	OTTOVILLE MUTUAL TELEPHONE CO.	2	3
413088	00-602-BR-UNC	CEDAR POINT BRIDGE/MAGNUM MANAGEMEN	3	2
413089	00-617-EL-COI	INVESTOR-OWNED ELECTRIC UTILITY COS	13	2
413090	83-464-TP-COI	INTRASTATE ACCESS CHARGES	6	2501
413091	90-5023-TP-TRF	GTE NORTH INCORPORATED	6	654
413092	90-9022-TP-TRF	CORECOMM NEWCO, INC.	6	35
413093	93-1799-TP-COI	ALLOCATION OF THREE-DIGIT CODES	1	55
413094	93-1799-TP-COI	ALLOCATION OF THREE-DIGIT CODES	1	56
413095	99-101-EL-EFC	OHIO POWER COMPANY	10	29
413096	99-102-EL-EFC	COLUMBUS SOUTHERN POWER COMPANY	10	25

Sequence Number	Case Number	Case Description	Number Pages	Filing Number
413097	99-1038-WW-AIR	OHIO-AMERICAN WATER COMPANY	51	15
413098	99-1687-EL-ETP	DAYTON POWER & LIGHT COMPANY	12	94
413099	99-1688-EL-AAM	DAYTON POWER & LIGHT COMPANY	12	76
413101	00-206-EL-FOR	Monongahela Power Co.	4	2
413102	00-266-TR-CVF	FREEHOLD CARTAGE (CP200232C)	1	6
413103	00-323-TR-CVF	FREEHOLD CARTAGE (CP200866C)	1	4
413104	00-353-TP-ATA	GTE NORTH INCORPORATED	3	2

CSA 2

Work Production Sheet Totals

Dates:	Sherry	Lucille	Kai	Cheryl	Lois		Totals
3/13/00 - 3/24/00							
New Cases	*(82)	39	7		40		86
Daily Filed		10	37	10	16		73
Entries		2	13	22	1		38
Calls	364	20	32	36	61		513
Certificates					1		1
Confidentials					6		6
Copier Area			8				8
Daily Activity Sheet					1		1
Destroy Cases							
Faxes	8	2	17	29	19		75
Front Counter		7	4	8	10		29
OCC Daily Documents		7					7
Pending Drawers					1		1
Public Drawers			8		2		10
Requests	22	11	16	23	33		105
Request Page Count	5858	211	422				6491 pgs.
Signing Session		1	1		1		3
Work Production Sheet		1	1				2
Tasks Totals	394	100	144	128	192		958
Task Total w/new cases	*(476)				Total w/new cases		(*1040)
Time spent on Tasks	15hr/ 32 m.	42hr/ 35 m.		60hr/ 30 m.	75 hrs/ 45 m.		194 hr. 22 m.

Revised 3/00