

## Kentucky Power Company

# 361 - Structures & Improvements

### Company Notes

The actuarial analyses indicated the average service life for the investment in this account is increasing. The recommendation is to move to a 70 year average service life following an L1.5 type dispersion.

There is a possibility of receiving some salvage if substation structures were to be sold. However, the cost of removal and replacement of the buildings and fences are expected to offset any salvage that may be realized. The recommendation is for a 10% gross salvage and a 10% gross removal.

### Sk Notes

Account analyzed with Actuarial model - Use company recommendation

**Observed Life Table Results  
Kentucky Power Company  
Account: 361 - Structures & Improvements**

Age	Exposures	Retirements	Retirement Ratio (%)	Survivor Ratio (%)	Cumulative Survivors
<b>BAND</b>		<b>1915 - 2004</b>			
0	4,446,717	0	0.0000	100.0000	1.0000
0.5	4,446,717	2,131	0.0479	99.9521	1.0000
1.5	4,048,802	1,155	0.0285	99.9715	0.9995
2.5	4,009,133	3,555	0.0887	99.9113	0.9992
3.5	3,998,550	3,444	0.0861	99.9139	0.9983
4.5	3,894,353	2,168	0.0557	99.9443	0.9975
5.5	3,499,371	3,880	0.1109	99.8891	0.9969
6.5	3,464,604	17,098	0.4935	99.5065	0.9958
7.5	3,379,569	898	0.0266	99.9734	0.9909
8.5	3,341,235	38,290	1.1460	98.8540	0.9907
9.5	2,697,817	1,139	0.0422	99.9578	0.9793
10.5	2,592,617	1,676	0.0646	99.9354	0.9789
11.5	2,336,211	1,008	0.0431	99.9569	0.9783
12.5	2,223,184	2,518	0.1133	99.8867	0.9778
13.5	1,876,479	1,888	0.1006	99.8994	0.9767
14.5	1,841,880	905	0.0491	99.9509	0.9757
15.5	1,807,601	3,305	0.1828	99.8172	0.9753
16.5	1,768,497	20,508	1.1596	98.8404	0.9735
17.5	1,620,099	263	0.0162	99.9838	0.9622
18.5	1,463,663	3,702	0.2529	99.7471	0.9620
19.5	1,340,878	335	0.0250	99.9750	0.9596
20.5	1,330,040	2,932	0.2204	99.7796	0.9594
21.5	1,320,055	21,508	1.6293	98.3707	0.9572
22.5	1,192,537	158	0.0132	99.9868	0.9416
23.5	1,088,428	13,816	1.2694	98.7306	0.9415
24.5	697,295	991	0.1421	99.8579	0.9296
25.5	690,354	790	0.1144	99.8856	0.9283
26.5	644,673	5,631	0.8735	99.1265	0.9272
27.5	555,377	3,407	0.6135	99.3865	0.9191
28.5	527,049	2,600	0.4933	99.5067	0.9135
29.5	451,745	726	0.1607	99.8393	0.9089
30.5	388,154	2,506	0.6456	99.3544	0.9075
31.5	340,957	2,159	0.6332	99.3668	0.9016
32.5	289,004	2,658	0.9197	99.0803	0.8959
33.5	226,170	3,214	1.4211	98.5789	0.8877
34.5	209,699	2,127	1.0143	98.9857	0.8751
35.5	200,602	1,906	0.9501	99.0499	0.8662
36.5	177,903	4,615	2.5941	97.4059	0.8580
37.5	158,180	3,124	1.9750	98.0250	0.8357
38.5	123,960	1,141	0.9205	99.0795	0.8192
39.5	120,800	200	0.1656	99.8344	0.8117
40.5	120,105	6,881	5.7292	94.2708	0.8103
41.5	107,947	2,638	2.4438	97.5562	0.7639
42.5	105,119	100	0.0951	99.9049	0.7452
43.5	103,434	746	0.7212	99.2788	0.7445
44.5	102,397	1,679	1.6397	98.3603	0.7391

45.5	100,525	0	0.0000	100.0000	0.7270
46.5	100,525	449	0.4467	99.5533	0.7270
47.5	93,720	1,362	1.4533	98.5467	0.7238
48.5	86,178	0	0.0000	100.0000	0.7133
49.5	85,315	2,829	3.3159	96.6841	0.7133
50.5	77,580	3,077	3.9662	96.0338	0.6896
51.5	65,188	0	0.0000	100.0000	0.6623
52.5	60,706	0	0.0000	100.0000	0.6623
53.5	57,840	370	0.6397	99.3603	0.6623
54.5	53,328	483	0.9057	99.0943	0.6580
55.5	48,983	261	0.5328	99.4672	0.6521
56.5	43,548	111	0.2549	99.7451	0.6486
57.5	40,929	1,262	3.0834	96.9166	0.6469
58.5	39,625	0	0.0000	100.0000	0.6270
59.5	38,679	83	0.2146	99.7854	0.6270
60.5	38,596	5,484	14.2087	85.7913	0.6256
61.5	31,440	852	2.7099	97.2901	0.5367
62.5	29,611	0	0.0000	100.0000	0.5222
63.5	29,471	540	1.8323	98.1677	0.5222
64.5	25,392	0	0.0000	100.0000	0.5126
65.5	25,392	0	0.0000	100.0000	0.5126
66.5	0	0	0.0000	100.0000	0.5126
67.5	0	0	0.0000	100.0000	0.5126
68.5	0	0	0.0000	100.0000	0.5126
69.5	0	0	0.0000	100.0000	0.5126
70.5	0	0	0.0000	100.0000	0.5126
71.5	0	0	0.0000	100.0000	0.5126
72.5	0	0	0.0000	100.0000	0.5126
73.5	0	0	0.0000	100.0000	0.5126
74.5	0	0	0.0000	100.0000	0.5126
75.5	0	0	0.0000	100.0000	0.5126
76.5	0	0	0.0000	100.0000	0.5126
77.5	0	0	0.0000	100.0000	0.5126
78.5	0	0	0.0000	100.0000	0.5126
79.5	0	0	0.0000	100.0000	0.5126
80.5	0	0	0.0000	100.0000	0.5126
81.5	0	0	0.0000	100.0000	0.5126
82.5	0	0	0.0000	100.0000	0.5126
83.5	0	0	0.0000	100.0000	0.5126
84.5	0	0	0.0000	100.0000	0.5126
85.5	0	0	0.0000	100.0000	0.5126
86.5	0	0	0.0000	100.0000	0.5126
87.5	0	0	0.0000	100.0000	0.5126
88.5	0	0	0.0000	100.0000	0.5126
<b>BAND</b>		<b>1960 - 2004</b>			
0	4,274,932	0	0.0000	100.0000	1.0000
0.5	4,275,185	2,131	0.0498	99.9502	1.0000
1.5	3,881,261	1,155	0.0298	99.9702	0.9995
2.5	3,850,291	3,555	0.0923	99.9077	0.9992
3.5	3,849,606	3,444	0.0895	99.9105	0.9983
4.5	3,746,448	2,168	0.0579	99.9421	0.9974
5.5	3,356,551	3,880	0.1156	99.8844	0.9968

6.5	3,331,099	17,098	0.5133	99.4867	0.9957
7.5	3,254,849	898	0.0276	99.9724	0.9905
8.5	3,220,667	38,290	1.1889	98.8111	0.9903
9.5	2,582,342	1,139	0.0441	99.9559	0.9785
10.5	2,482,467	1,676	0.0675	99.9325	0.9781
11.5	2,232,666	1,008	0.0451	99.9549	0.9774
12.5	2,123,295	2,518	0.1186	99.8814	0.9770
13.5	1,777,939	1,888	0.1062	99.8938	0.9758
14.5	1,744,722	905	0.0519	99.9481	0.9748
15.5	1,723,493	3,305	0.1918	99.8082	0.9743
16.5	1,686,256	20,508	1.2162	98.7838	0.9724
17.5	1,539,271	263	0.0171	99.9829	0.9606
18.5	1,386,145	3,702	0.2671	99.7329	0.9604
19.5	1,269,573	335	0.0264	99.9736	0.9578
20.5	1,260,008	2,932	0.2327	99.7673	0.9576
21.5	1,287,637	21,508	1.6703	98.3297	0.9554
22.5	1,161,989	158	0.0136	99.9864	0.9394
23.5	1,060,955	13,816	1.3022	98.6978	0.9393
24.5	669,822	991	0.1479	99.8521	0.9270
25.5	662,881	790	0.1192	99.8808	0.9257
26.5	618,073	5,631	0.9111	99.0889	0.9246
27.5	528,777	3,407	0.6443	99.3557	0.9161
28.5	501,239	2,600	0.5187	99.4813	0.9102
29.5	426,109	726	0.1704	99.8296	0.9055
30.5	366,042	2,506	0.6846	99.3154	0.9040
31.5	322,126	2,159	0.6702	99.3298	0.8978
32.5	272,198	2,658	0.9765	99.0235	0.8918
33.5	209,364	3,214	1.5351	98.4649	0.8831
34.5	192,893	2,127	1.1027	98.8973	0.8695
35.5	191,370	1,906	0.9960	99.0040	0.8599
36.5	175,705	4,615	2.6266	97.3734	0.8514
37.5	155,982	3,124	2.0028	97.9972	0.8290
38.5	121,762	1,141	0.9371	99.0629	0.8124
39.5	118,602	200	0.1686	99.8314	0.8048
40.5	118,343	6,881	5.8145	94.1855	0.8034
41.5	107,063	2,638	2.4640	97.5360	0.7567
42.5	104,235	100	0.0959	99.9041	0.7381
43.5	103,351	746	0.7218	99.2782	0.7374
44.5	102,397	1,679	1.6397	98.3603	0.7320
45.5	100,525	0	0.0000	100.0000	0.7200
46.5	100,525	449	0.4467	99.5533	0.7200
47.5	93,720	1,362	1.4533	98.5467	0.7168
48.5	86,178	0	0.0000	100.0000	0.7064
49.5	85,315	2,829	3.3159	96.6841	0.7064
50.5	77,580	3,077	3.9662	96.0338	0.6830
51.5	65,188	0	0.0000	100.0000	0.6559
52.5	60,706	0	0.0000	100.0000	0.6559
53.5	57,840	370	0.6397	99.3603	0.6559
54.5	53,328	483	0.9057	99.0943	0.6517
55.5	48,983	261	0.5328	99.4672	0.6458
56.5	43,548	111	0.2549	99.7451	0.6423
57.5	40,929	1,262	3.0834	96.9166	0.6407

58.5	39,625	0	0.0000	100.0000	0.6210
59.5	38,679	83	0.2146	99.7854	0.6210
60.5	38,596	5,484	14.2087	85.7913	0.6196
61.5	31,440	852	2.7099	97.2901	0.5316
62.5	29,611	0	0.0000	100.0000	0.5172
63.5	29,471	540	1.8323	98.1677	0.5172
64.5	25,392	0	0.0000	100.0000	0.5077
65.5	25,392	0	0.0000	100.0000	0.5077
66.5	0	0	0.0000	100.0000	0.5077
67.5	0	0	0.0000	100.0000	0.5066
68.5	0	0	0.0000	100.0000	0.5066
69.5	0	0	0.0000	100.0000	0.5066
70.5	0	0	0.0000	100.0000	0.5066
71.5	0	0	0.0000	100.0000	0.5066
72.5	0	0	0.0000	100.0000	0.5066
73.5	0	0	0.0000	100.0000	0.5066
74.5	0	0	0.0000	100.0000	0.5066
75.5	0	0	0.0000	100.0000	0.5066
76.5	0	0	0.0000	100.0000	0.5066
77.5	0	0	0.0000	100.0000	0.5066
78.5	-7,574	0	0.0000	100.0000	0.5066
79.5	-7,574	0	0.0000	100.0000	0.5066
80.5	-7,034	0	0.0000	100.0000	0.5066
81.5	-436	0	0.0000	100.0000	0.5066
82.5	-436	0	0.0000	100.0000	0.5066
83.5	-436	0	0.0000	100.0000	0.5066
84.5	-436	0	0.0000	100.0000	0.5066
85.5	0	0	0.0000	100.0000	0.5066

**Best Fit Curve Results**  
**Kentucky Power Company**  
**Account: 361 - Structures & Improvements**

Curve	Life	Sum of Squared Differences
<b>BAND</b>	<b>1960 - 2004</b>	
S0.5	67.0	194.079
L1.5	70.0	198.131
L1	74.0	239.645
S1	65.0	268.047
R2	62.0	326.838
R1.5	64.0	382.069
S0	70.0	438.084
L2	68.0	605.652
S1.5	63.0	667.477
R2.5	61.0	806.104
L0.5	75.0	821.483
R1	67.0	840.946
S-0.5	75.0	1,225.913
S2	62.0	1,442.906
R0.5	73.0	1,624.810
R3	60.0	1,813.285
L0	75.0	2,288.411
L3	64.0	2,609.248
O1	75.0	2,824.379
S3	61.0	3,801.455
O2	75.0	4,689.883
R4	60.0	4,868.938
L4	62.0	5,973.533
S4	61.0	8,209.259
L5	62.0	10,667.006
R5	61.0	10,892.082
S5	61.0	13,617.705
O3	75.0	18,099.305
S6	62.0	19,283.715
SQ	66.0	36,167.253
O4	75.0	39,312.787

**Analytical Parameters**

OLT Placement Band: 1915 - 2004  
 OLT Experience Band: 1960 - 2004  
 Minimum Life Parameter: 4  
 Maximum Life Parameter: 75  
 Life Increment Parameter: 1  
 Max Age (T-Cut): 66.5

**SPR Results**  
**Kentucky Power Company**  
**Account: 361 - Structures & Improvements**

Curve	Life	Sum of Squared Differences	Index of Variation
<b>BAND: 1960 - 2004</b>			
R4	69	1.11E+11	11
L3	75	1.58E+11	14
S3	71	1.66E+11	14
L4	67	1.81E+11	15
R3	75	1.99E+11	15
R5	57	2.66E+11	18
S4	60	2.71E+11	18
L5	58	2.89E+11	18
S2	75	3.21E+11	19
S5	55	3.72E+11	21
S6	51	4.56E+11	23
SQ	46	6.10E+11	27
R2.5	75	8.74E+11	32
S1.5	75	9.97E+11	34
L2	75	1.88E+12	47
R2	75	2.17E+12	51
S1	75	2.27E+12	52
L1.5	75	4.50E+12	73
S0.5	75	4.51E+12	73
R1.5	75	4.68E+12	74
S0	75	7.70E+12	95
R1	75	8.20E+12	98
L1	75	8.48E+12	100
S-0.5	75	1.33E+13	125
L0.5	75	1.34E+13	125
R0.5	75	1.38E+13	127
L0	75	1.97E+13	152
O1	75	2.09E+13	157
O2	75	2.74E+13	179
O3	75	5.64E+13	257
O4	75	9.57E+13	335

Minimum Equipment Life Expectancy: 4  
 Maximum Equipment Life Expectancy: 75  
 Life Expectancy Increment: 1  
 Begin Year: 1960  
 End Year: 2004  
 Year Fit Increment: 0

**Plant Balances**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,231,435	2003	4,231,805	2002	4,231,805	2001	4,231,805
2000	4,231,805	1999	4,231,805	1998	4,232,267	1997	4,289,326
1996	4,295,848	1995	4,300,878	1994	4,303,635	1993	4,323,310
1992	4,324,282	1991	4,324,282	1990	4,328,470	1989	4,330,578
1988	4,336,873	1987	4,340,084	1986	4,344,743	1985	4,346,791
1984	4,346,950	1983	4,361,977	1982	4,362,466	1981	4,362,466
1980	4,373,605	1979	4,379,087	1978	4,379,186	1977	4,380,330
1976	4,380,330	1975	4,381,074	1974	4,385,216	1973	4,388,743
1972	4,397,987	1971	4,400,128	1970	4,401,418	1969	4,401,687
1968	4,407,127	1967	4,411,669	1966	4,414,144	1965	4,415,749
1964	4,426,367	1963	4,429,677	1962	4,433,893	1961	4,434,520
1960	4,445,749						

**Simulated Balances**

Curve: R4		ASL: 69		SSD: 1.11E+11		IV: 11	
Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,145,062	2003	4,174,203	2002	4,201,250	2001	4,225,894
2000	4,248,623	1999	4,269,321	1998	4,288,244	1997	4,305,463
1996	4,321,063	1995	4,335,260	1994	4,347,997	1993	4,359,592
1992	4,369,885	1991	4,379,217	1990	4,387,499	1989	4,394,936
1988	4,401,539	1987	4,407,400	1986	4,412,612	1985	4,417,184
1984	4,421,253	1983	4,424,785	1982	4,427,919	1981	4,430,623
1980	4,433,001	1979	4,435,059	1978	4,436,846	1977	4,438,391
1976	4,439,717	1975	4,440,864	1974	4,441,835	1973	4,442,676
1972	4,443,380	1971	4,443,985	1970	4,444,488	1969	4,444,917
1968	4,445,274	1967	4,445,575	1966	4,445,825	1965	4,446,031
1964	4,446,204	1963	4,446,342	1962	4,446,458	1961	4,446,552
1960	4,446,628						

Curve: L3		ASL: 75		SSD: 1.58E+11		IV: 14	
Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,036,758	2003	4,073,769	2002	4,108,073	2001	4,139,293
2000	4,168,117	1999	4,194,682	1998	4,218,746	1997	4,240,899
1996	4,261,289	1995	4,279,755	1994	4,296,765	1993	4,312,439
1992	4,326,662	1991	4,339,782	1990	4,351,886	1989	4,362,864
1988	4,372,982	1987	4,382,289	1986	4,390,681	1985	4,398,356
1984	4,405,349	1983	4,411,569	1982	4,417,172	1981	4,422,189
1980	4,426,547	1979	4,430,383	1978	4,433,733	1977	4,436,530
1976	4,438,913	1975	4,440,910	1974	4,442,488	1973	4,443,757
1972	4,444,752	1971	4,445,465	1970	4,445,983	1969	4,446,335



1968	4,446,539	1967	4,446,652	1966	4,446,704	1965	4,446,717
1964	4,446,717	1963	4,446,717	1962	4,446,717	1961	4,446,717
1960	4,446,717						

**Curve: S3 ASL: 71 SSD: 1.66E+11 IV: 14**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,122,406	2003	4,158,504	2002	4,191,797	2001	4,222,308
2000	4,249,980	1999	4,275,284	1998	4,297,892	1997	4,318,336
1996	4,336,588	1995	4,352,754	1994	4,367,192	1993	4,379,674
1992	4,390,698	1991	4,400,222	1990	4,408,414	1989	4,415,489
1988	4,421,392	1987	4,426,436	1986	4,430,604	1985	4,434,058
1984	4,436,908	1983	4,439,176	1982	4,441,028	1981	4,442,466
1980	4,443,598	1979	4,444,472	1978	4,445,124	1977	4,445,618
1976	4,445,971	1975	4,446,225	1974	4,446,404	1973	4,446,522
1972	4,446,601	1971	4,446,652	1970	4,446,682	1969	4,446,697
1968	4,446,706	1967	4,446,713	1966	4,446,717	1965	4,446,717
1964	4,446,717	1963	4,446,717	1962	4,446,717	1961	4,446,717
1960	4,446,717						

**Curve: L4 ASL: 67 SSD: 1.81E+11 IV: 15**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,121,296	2003	4,157,879	2002	4,191,670	2001	4,222,441
2000	4,250,805	1999	4,276,477	1998	4,299,996	1997	4,321,055
1996	4,340,169	1995	4,357,029	1994	4,372,147	1993	4,385,234
1992	4,396,794	1991	4,406,580	1990	4,415,055	1989	4,422,048
1988	4,427,950	1987	4,432,666	1986	4,436,523	1985	4,439,476
1984	4,441,784	1983	4,443,460	1982	4,444,691	1981	4,445,515
1980	4,446,070	1979	4,446,395	1978	4,446,582	1977	4,446,669
1976	4,446,706	1975	4,446,714	1974	4,446,717	1973	4,446,717
1972	4,446,717	1971	4,446,717	1970	4,446,717	1969	4,446,717
1968	4,446,717	1967	4,446,717	1966	4,446,717	1965	4,446,717
1964	4,446,717	1963	4,446,717	1962	4,446,717	1961	4,446,717
1960	4,446,717						

**Curve: R3 ASL: 75 SSD: 1.99E+11 IV: 15**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,024,226	2003	4,050,384	2002	4,075,354	2001	4,098,954
2000	4,121,454	1999	4,142,891	1998	4,163,099	1997	4,182,327
1996	4,200,605	1995	4,217,787	1994	4,234,091	1993	4,249,554
1992	4,264,037	1991	4,277,748	1990	4,290,708	1989	4,302,806
1988	4,314,220	1987	4,324,975	1986	4,334,978	1985	4,344,382
1984	4,353,211	1983	4,361,389	1982	4,369,046	1981	4,376,214
1980	4,382,815	1979	4,388,978	1978	4,394,717	1977	4,399,983
1976	4,404,878	1975	4,409,418	1974	4,413,559	1973	4,417,389
1972	4,420,930	1971	4,424,140	1970	4,427,095	1969	4,429,811
1968	4,432,259	1967	4,434,503	1966	4,436,556	1965	4,438,396

1964	4,440,068	1963	4,441,590	1962	4,442,945	1961	4,444,172
1960	4,445,281						

**Curve: R5 ASL: 57 SSD: 2.66E+11 IV: 18**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,094,874	2003	4,156,114	2002	4,207,913	2001	4,251,985
2000	4,289,326	1999	4,320,728	1998	4,346,792	1997	4,368,509
1996	4,386,433	1995	4,401,010	1994	4,412,559	1993	4,421,713
1992	4,428,833	1991	4,434,252	1990	4,438,207	1989	4,441,093
1988	4,443,137	1987	4,444,538	1986	4,445,435	1985	4,446,006
1984	4,446,352	1983	4,446,545	1982	4,446,641	1981	4,446,688
1980	4,446,709	1979	4,446,717	1978	4,446,717	1977	4,446,717
1976	4,446,717	1975	4,446,717	1974	4,446,717	1973	4,446,717
1972	4,446,717	1971	4,446,717	1970	4,446,717	1969	4,446,717
1968	4,446,717	1967	4,446,717	1966	4,446,717	1965	4,446,717
1964	4,446,717	1963	4,446,717	1962	4,446,717	1961	4,446,717
1960	4,446,717						

**Curve: S4 ASL: 60 SSD: 2.71E+11 IV: 18**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,072,583	2003	4,136,078	2002	4,191,233	2001	4,239,049
2000	4,279,663	1999	4,313,771	1998	4,342,378	1997	4,365,797
1996	4,384,732	1995	4,400,025	1994	4,412,027	1993	4,421,317
1992	4,428,500	1991	4,433,862	1990	4,437,801	1989	4,440,694
1988	4,442,725	1987	4,444,129	1986	4,445,094	1985	4,445,724
1984	4,446,128	1983	4,446,383	1982	4,446,531	1981	4,446,619
1980	4,446,667	1979	4,446,693	1978	4,446,706	1977	4,446,713
1976	4,446,716	1975	4,446,717	1974	4,446,717	1973	4,446,717
1972	4,446,717	1971	4,446,717	1970	4,446,717	1969	4,446,717
1968	4,446,717	1967	4,446,717	1966	4,446,717	1965	4,446,717
1964	4,446,717	1963	4,446,717	1962	4,446,717	1961	4,446,717
1960	4,446,717						

**Curve: L5 ASL: 58 SSD: 2.89E+11 IV: 18**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,083,601	2003	4,146,556	2002	4,201,218	2001	4,248,060
2000	4,288,560	1999	4,323,228	1998	4,352,311	1997	4,376,157
1996	4,395,508	1995	4,410,822	1994	4,422,376	1993	4,430,919
1992	4,437,033	1991	4,441,174	1990	4,443,742	1989	4,445,289
1988	4,446,128	1987	4,446,511	1986	4,446,661	1985	4,446,706
1984	4,446,717	1983	4,446,717	1982	4,446,717	1981	4,446,717
1980	4,446,717	1979	4,446,717	1978	4,446,717	1977	4,446,717
1976	4,446,717	1975	4,446,717	1974	4,446,717	1973	4,446,717
1972	4,446,717	1971	4,446,717	1970	4,446,717	1969	4,446,717
1968	4,446,717	1967	4,446,717	1966	4,446,717	1965	4,446,717
1964	4,446,717	1963	4,446,717	1962	4,446,717	1961	4,446,717

1960 4,446,717

**Curve: S2 ASL: 75 SSD: 3.21E+11 IV: 19**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,955,745	2003	3,992,795	2002	4,028,214	2001	4,061,685
2000	4,093,541	1999	4,123,796	1998	4,152,156	1997	4,178,961
1996	4,204,229	1995	4,227,695	1994	4,249,695	1993	4,270,262
1992	4,289,164	1991	4,306,720	1990	4,322,969	1989	4,337,721
1988	4,351,271	1987	4,363,670	1986	4,374,760	1985	4,384,819
1984	4,393,894	1983	4,401,861	1982	4,408,976	1981	4,415,283
1980	4,420,699	1979	4,425,436	1978	4,429,544	1977	4,432,968
1976	4,435,885	1975	4,438,344	1974	4,440,311	1973	4,441,926
1972	4,443,235	1971	4,444,222	1970	4,444,993	1969	4,445,574
1968	4,445,982	1967	4,446,269	1966	4,446,468	1965	4,446,584
1964	4,446,655	1963	4,446,695	1962	4,446,710	1961	4,446,716
1960	4,446,717						

**Curve: S5 ASL: 55 SSD: 3.72E+11 IV: 21**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,122,537	2003	4,209,208	2002	4,276,677	2001	4,327,822
2000	4,365,843	1999	4,393,308	1998	4,412,551	1997	4,425,595
1996	4,433,974	1995	4,439,308	1994	4,442,585	1993	4,444,513
1992	4,445,595	1991	4,446,169	1990	4,446,462	1989	4,446,604
1988	4,446,672	1987	4,446,701	1986	4,446,713	1985	4,446,716
1984	4,446,717	1983	4,446,717	1982	4,446,717	1981	4,446,717
1980	4,446,717	1979	4,446,717	1978	4,446,717	1977	4,446,717
1976	4,446,717	1975	4,446,717	1974	4,446,717	1973	4,446,717
1972	4,446,717	1971	4,446,717	1970	4,446,717	1969	4,446,717
1968	4,446,717	1967	4,446,717	1966	4,446,717	1965	4,446,717
1964	4,446,717	1963	4,446,717	1962	4,446,717	1961	4,446,717
1960	4,446,717						

**Curve: S6 ASL: 51 SSD: 4.56E+11 IV: 23**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	4,103,849	2003	4,243,296	2002	4,333,557	2001	4,387,911
2000	4,418,280	1999	4,433,979	1998	4,441,455	1997	4,444,724
1996	4,446,030	1995	4,446,504	1994	4,446,657	1993	4,446,702
1992	4,446,714	1991	4,446,717	1990	4,446,717	1989	4,446,717
1988	4,446,717	1987	4,446,717	1986	4,446,717	1985	4,446,717
1984	4,446,717	1983	4,446,717	1982	4,446,717	1981	4,446,717
1980	4,446,717	1979	4,446,717	1978	4,446,717	1977	4,446,717
1976	4,446,717	1975	4,446,717	1974	4,446,717	1973	4,446,717
1972	4,446,717	1971	4,446,717	1970	4,446,717	1969	4,446,717
1968	4,446,717	1967	4,446,717	1966	4,446,717	1965	4,446,717
1964	4,446,717	1963	4,446,717	1962	4,446,717	1961	4,446,717
1960	4,446,717						

<b>Curve: SQ</b>		<b>ASL: 46</b>		<b>SSD: 6.10E+11</b>		<b>IV: 27</b>	
<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>
2004	4,446,717	2003	4,446,717	2002	4,446,717	2001	4,446,717
2000	4,446,717	1999	4,446,717	1998	4,446,717	1997	4,446,717
1996	4,446,717	1995	4,446,717	1994	4,446,717	1993	4,446,717
1992	4,446,717	1991	4,446,717	1990	4,446,717	1989	4,446,717
1988	4,446,717	1987	4,446,717	1986	4,446,717	1985	4,446,717
1984	4,446,717	1983	4,446,717	1982	4,446,717	1981	4,446,717
1980	4,446,717	1979	4,446,717	1978	4,446,717	1977	4,446,717
1976	4,446,717	1975	4,446,717	1974	4,446,717	1973	4,446,717
1972	4,446,717	1971	4,446,717	1970	4,446,717	1969	4,446,717
1968	4,446,717	1967	4,446,717	1966	4,446,717	1965	4,446,717
1964	4,446,717	1963	4,446,717	1962	4,446,717	1961	4,446,717
1960	4,446,717						

<b>Curve: R2.5</b>		<b>ASL: 75</b>		<b>SSD: 8.74E+11</b>		<b>IV: 32</b>	
<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>
2004	3,886,549	2003	3,914,537	2002	3,941,503	2001	3,967,285
2000	3,992,113	1999	4,016,012	1998	4,038,830	1997	4,060,779
1996	4,081,882	1995	4,102,006	1994	4,121,340	1993	4,139,907
1992	4,157,584	1991	4,174,544	1990	4,190,813	1989	4,206,282
1988	4,221,104	1987	4,235,302	1986	4,248,782	1985	4,261,686
1984	4,274,029	1983	4,285,730	1982	4,296,917	1981	4,307,610
1980	4,317,728	1979	4,327,392	1978	4,336,616	1977	4,345,339
1976	4,353,661	1975	4,361,593	1974	4,369,088	1973	4,376,229
1972	4,383,031	1971	4,389,449	1970	4,395,559	1969	4,401,374
1968	4,406,857	1967	4,412,071	1966	4,417,035	1965	4,421,703
1964	4,426,146	1963	4,430,371	1962	4,434,345	1961	4,438,119
1960	4,441,706						

<b>Curve: S1.5</b>		<b>ASL: 75</b>		<b>SSD: 9.97E+11</b>		<b>IV: 34</b>	
<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>
2004	3,811,604	2003	3,849,701	2002	3,886,551	2001	3,921,898
2000	3,955,989	1999	3,988,825	1998	4,020,152	1997	4,050,230
1996	4,079,062	1995	4,106,416	1994	4,132,542	1993	4,157,454
1992	4,180,938	1991	4,203,246	1990	4,224,394	1989	4,244,182
1988	4,262,862	1987	4,280,454	1986	4,296,783	1985	4,312,082
1984	4,326,384	1983	4,339,524	1982	4,351,735	1981	4,363,048
1980	4,373,321	1979	4,382,766	1978	4,391,422	1977	4,399,164
1976	4,406,193	1975	4,412,535	1974	4,418,110	1973	4,423,075
1972	4,427,472	1971	4,431,229	1970	4,434,493	1969	4,437,299
1968	4,439,598	1967	4,441,513	1966	4,443,080	1965	4,444,267
1964	4,445,180	1963	4,445,850	1962	4,446,281	1961	4,446,542
1960	4,446,677						

**Curve: L2 ASL: 75 SSD: 1.88E+12 IV: 47**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,655,733	2003	3,705,726	2002	3,754,199	2001	3,800,736
2000	3,845,571	1999	3,888,641	1998	3,929,507	1997	3,968,487
1996	4,005,549	1995	4,040,289	1994	4,073,082	1993	4,103,946
1992	4,132,525	1991	4,159,259	1990	4,184,205	1989	4,207,104
1988	4,228,413	1987	4,248,224	1986	4,266,406	1985	4,283,362
1984	4,299,215	1983	4,313,901	1982	4,327,721	1981	4,340,730
1980	4,352,785	1979	4,364,053	1978	4,374,542	1977	4,384,109
1976	4,392,925	1975	4,401,000	1974	4,408,210	1973	4,414,720
1972	4,420,553	1971	4,425,603	1970	4,430,028	1969	4,433,862
1968	4,437,026	1967	4,439,670	1966	4,441,830	1965	4,443,468
1964	4,444,713	1963	4,445,619	1962	4,446,179	1961	4,446,511
1960	4,446,677						

**Curve: R2 ASL: 75 SSD: 2.17E+12 IV: 51**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,748,877	2003	3,778,691	2002	3,807,653	2001	3,835,621
2000	3,862,776	1999	3,889,139	1998	3,914,565	1997	3,939,235
1996	3,963,168	1995	3,986,231	1994	4,008,589	1993	4,030,260
1992	4,051,128	1991	4,071,343	1990	4,090,922	1989	4,109,755
1988	4,127,987	1987	4,145,630	1986	4,162,587	1985	4,178,986
1984	4,194,846	1983	4,210,075	1982	4,224,790	1981	4,239,006
1980	4,252,643	1979	4,265,811	1978	4,278,520	1977	4,290,699
1976	4,302,445	1975	4,313,774	1974	4,324,616	1973	4,335,066
1972	4,345,136	1971	4,354,757	1970	4,364,021	1969	4,372,942
1968	4,381,454	1967	4,389,642	1966	4,397,514	1965	4,405,019
1964	4,412,228	1963	4,419,152	1962	4,425,743	1961	4,432,070
1960	4,438,135						

**Curve: S1 ASL: 75 SSD: 2.27E+12 IV: 52**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,667,465	2003	3,706,608	2002	3,744,887	2001	3,782,114
2000	3,818,440	1999	3,853,854	1998	3,888,150	1997	3,921,503
1996	3,953,901	1995	3,985,134	1994	4,015,387	1993	4,044,649
1992	4,072,713	1991	4,099,772	1990	4,125,820	1989	4,150,644
1988	4,174,455	1987	4,197,243	1986	4,218,803	1985	4,239,347
1984	4,258,874	1983	4,277,189	1982	4,294,498	1981	4,310,812
1980	4,325,943	1979	4,340,101	1978	4,353,296	1977	4,365,363
1976	4,376,500	1975	4,386,735	1974	4,395,907	1973	4,404,226
1972	4,411,712	1971	4,418,239	1970	4,423,996	1969	4,429,024
1968	4,433,214	1967	4,436,756	1966	4,439,691	1965	4,441,953
1964	4,443,711	1963	4,445,014	1962	4,445,853	1961	4,446,372
1960	4,446,637						

<b>Curve: L1.5</b>		<b>ASL: 75</b>		<b>SSD: 4.50E+12</b>		<b>IV: 73</b>	
<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>
2004	3,470,950	2003	3,518,035	2002	3,564,342	2001	3,609,606
2000	3,653,916	1999	3,697,201	1998	3,739,166	1997	3,779,963
1996	3,819,552	1995	3,857,617	1994	3,894,380	1993	3,929,817
1992	3,963,638	1991	3,996,104	1990	4,027,227	1989	4,056,752
1988	4,084,977	1987	4,111,928	1986	4,137,411	1985	4,161,719
1984	4,184,903	1983	4,206,794	1982	4,227,658	1981	4,247,509
1980	4,266,157	1979	4,283,801	1978	4,300,447	1977	4,315,903
1976	4,330,385	1975	4,343,904	1974	4,356,290	1973	4,367,757
1972	4,378,326	1971	4,387,856	1970	4,396,551	1969	4,404,442
1968	4,411,416	1967	4,417,671	1966	4,423,238	1965	4,428,044
1964	4,432,262	1963	4,435,938	1962	4,439,032	1961	4,441,691
1960	4,443,964						

<b>Curve: S0.5</b>		<b>ASL: 75</b>		<b>SSD: 4.51E+12</b>		<b>IV: 73</b>	
<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>
2004	3,529,576	2003	3,567,236	2002	3,604,300	2001	3,640,632
2000	3,676,340	1999	3,711,408	1998	3,745,692	1997	3,779,309
1996	3,812,251	1995	3,844,357	1994	3,875,760	1993	3,906,450
1992	3,936,266	1991	3,965,345	1990	3,993,677	1989	4,021,105
1988	4,047,765	1987	4,073,651	1986	4,098,603	1985	4,122,766
1984	4,146,137	1983	4,168,547	1982	4,190,152	1981	4,210,952
1980	4,230,771	1979	4,249,776	1978	4,267,963	1977	4,285,166
1976	4,301,548	1975	4,317,104	1974	4,331,677	1973	4,345,427
1972	4,358,356	1971	4,370,305	1970	4,381,436	1969	4,391,751
1968	4,401,092	1967	4,409,621	1966	4,417,342	1965	4,424,098
1964	4,430,042	1963	4,435,182	1962	4,439,334	1961	4,442,651
1960	4,445,103						

<b>Curve: R1.5</b>		<b>ASL: 75</b>		<b>SSD: 4.68E+12</b>		<b>IV: 74</b>	
<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>	<b>Year</b>	<b>Balance</b>
2004	3,599,769	2003	3,629,535	2002	3,658,661	2001	3,687,027
2000	3,714,780	1999	3,741,926	1998	3,768,360	1997	3,794,219
1996	3,819,516	1995	3,844,150	1994	3,868,248	1993	3,891,825
1992	3,914,789	1991	3,937,260	1990	3,959,250	1989	3,980,674
1988	4,001,645	1987	4,022,171	1986	4,042,180	1985	4,061,769
1984	4,080,952	1983	4,099,657	1982	4,117,974	1981	4,135,918
1980	4,153,415	1979	4,170,552	1978	4,187,336	1977	4,203,702
1976	4,219,725	1975	4,235,409	1974	4,250,697	1973	4,265,656
1972	4,280,294	1971	4,294,550	1970	4,308,498	1969	4,322,138
1968	4,335,417	1967	4,348,399	1966	4,361,091	1965	4,373,438
1964	4,385,503	1963	4,397,287	1962	4,408,748	1961	4,419,942
1960	4,430,869						

<b>Curve: S0</b>		<b>ASL: 75</b>		<b>SSD: 7.70E+12</b>		<b>IV: 95</b>	
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Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,391,689	2003	3,427,864	2002	3,463,712	2001	3,499,156
2000	3,534,243	1999	3,568,966	1998	3,603,237	1997	3,637,121
1996	3,670,600	1995	3,703,582	1994	3,736,138	1993	3,768,250
1992	3,799,822	1991	3,830,922	1990	3,861,542	1989	3,891,565
1988	3,921,077	1987	3,950,068	1986	3,978,405	1985	4,006,188
1984	4,033,399	1983	4,059,906	1982	4,085,810	1981	4,111,088
1980	4,135,602	1979	4,159,455	1978	4,182,631	1977	4,204,971
1976	4,226,594	1975	4,247,477	1974	4,267,449	1973	4,286,632
1972	4,305,005	1971	4,322,375	1970	4,338,875	1969	4,354,483
1968	4,368,971	1967	4,382,489	1966	4,394,997	1965	4,406,244
1964	4,416,380	1963	4,425,346	1962	4,432,818	1961	4,438,934
1960	4,443,569						

Curve: R1 ASL: 75 SSD: 8.20E+12 IV: 98

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,450,658	2003	3,480,383	2002	3,509,669	2001	3,538,439
2000	3,566,783	1999	3,594,713	1998	3,622,156	1997	3,649,204
1996	3,675,865	1995	3,702,070	1994	3,727,911	1993	3,753,389
1992	3,778,454	1991	3,803,181	1990	3,827,578	1989	3,851,594
1988	3,875,303	1987	3,898,712	1986	3,921,773	1985	3,944,552
1984	3,967,054	1983	3,989,240	1982	4,011,163	1981	4,032,825
1980	4,054,189	1979	4,075,299	1978	4,096,156	1977	4,116,711
1976	4,137,006	1975	4,157,049	1974	4,176,776	1973	4,196,244
1972	4,215,452	1971	4,234,343	1970	4,252,972	1969	4,271,334
1968	4,289,380	1967	4,307,158	1966	4,324,668	1965	4,341,856
1964	4,358,777	1963	4,375,427	1962	4,391,756	1961	4,407,814
1960	4,423,603						

Curve: L1 ASL: 75 SSD: 8.48E+12 IV: 100

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,286,168	2003	3,330,348	2002	3,374,485	2001	3,418,476
2000	3,462,258	1999	3,505,761	1998	3,548,826	1997	3,591,443
1996	3,633,550	1995	3,674,948	1994	3,715,680	1993	3,755,688
1992	3,794,751	1991	3,832,954	1990	3,870,258	1989	3,906,404
1988	3,941,545	1987	3,975,636	1986	4,008,420	1985	4,040,081
1984	4,070,591	1983	4,099,689	1982	4,127,594	1981	4,154,292
1980	4,179,532	1979	4,203,553	1978	4,226,355	1977	4,247,703
1976	4,267,849	1975	4,286,809	1974	4,304,372	1973	4,320,795
1972	4,336,105	1971	4,350,112	1970	4,363,073	1969	4,375,023
1968	4,385,809	1967	4,395,672	1966	4,404,647	1965	4,412,623
1964	4,419,814	1963	4,426,262	1962	4,431,883	1961	4,436,866
1960	4,441,256						

Curve: S-0.5 ASL: 75 SSD: 1.33E+13 IV: 125

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,244,783	2003	3,277,694	2002	3,310,443	2001	3,342,984
2000	3,375,350	1999	3,407,537	1998	3,439,493	1997	3,471,254
1996	3,502,817	1995	3,534,132	1994	3,565,232	1993	3,596,113
1992	3,626,719	1991	3,657,090	1990	3,687,222	1989	3,717,058
1988	3,746,635	1987	3,775,952	1986	3,804,943	1985	3,833,657
1984	3,862,089	1983	3,890,163	1982	3,917,934	1981	3,945,399
1980	3,972,476	1979	3,999,225	1978	4,025,635	1977	4,051,629
1976	4,077,263	1975	4,102,528	1974	4,127,335	1973	4,151,750
1972	4,175,756	1971	4,199,266	1970	4,222,339	1969	4,244,961
1968	4,267,028	1967	4,288,612	1966	4,309,687	1965	4,330,133
1964	4,350,025	1963	4,369,331	1962	4,387,887	1961	4,405,769
1960	4,422,909						

Curve: L0.5 ASL: 75 SSD: 1.34E+13 IV: 125

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,156,970	2003	3,197,468	2002	3,237,970	2001	3,278,421
2000	3,318,782	1999	3,359,019	1998	3,399,047	1997	3,438,863
1996	3,478,427	1995	3,517,632	1994	3,556,502	1993	3,594,997
1992	3,632,978	1991	3,670,497	1990	3,707,508	1989	3,743,870
1988	3,779,655	1987	3,814,830	1986	3,849,232	1985	3,882,965
1984	3,916,001	1983	3,948,166	1982	3,979,586	1981	4,010,245
1980	4,039,957	1979	4,068,869	1978	4,096,965	1977	4,124,065
1976	4,150,324	1975	4,175,734	1974	4,200,111	1973	4,223,610
1972	4,246,237	1971	4,267,793	1970	4,288,452	1969	4,308,206
1968	4,326,847	1967	4,344,551	1966	4,361,296	1965	4,376,852
1964	4,391,378	1963	4,404,824	1962	4,416,881	1961	4,427,654
1960	4,436,970						

Curve: R0.5 ASL: 75 SSD: 1.38E+13 IV: 127

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,274,269	2003	3,303,955	2002	3,333,419	2001	3,362,625
2000	3,391,621	1999	3,420,406	1998	3,448,954	1997	3,477,297
1996	3,505,449	1995	3,533,375	1994	3,561,119	1993	3,588,683
1992	3,616,036	1991	3,643,220	1990	3,670,240	1989	3,697,073
1988	3,723,750	1987	3,750,277	1986	3,776,628	1985	3,802,840
1984	3,828,912	1983	3,854,829	1982	3,880,611	1981	3,906,267
1980	3,931,771	1979	3,957,147	1978	3,982,400	1977	4,007,500
1976	4,032,470	1975	4,057,314	1974	4,082,000	1973	4,106,558
1972	4,130,982	1971	4,155,251	1970	4,179,388	1969	4,203,393
1968	4,227,236	1967	4,250,946	1966	4,274,527	1965	4,297,939
1964	4,321,222	1963	4,344,371	1962	4,367,356	1961	4,390,210
1960	4,412,926						

Curve: L0 ASL: 75 SSD: 1.97E+13 IV: 152

Year	Balance	Year	Balance	Year	Balance	Year	Balance
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2004	3,027,774	2003	3,064,593	2002	3,101,456	2001	3,138,365
2000	3,175,306	1999	3,212,277	1998	3,249,271	1997	3,286,279
1996	3,323,298	1995	3,360,322	1994	3,397,327	1993	3,434,302
1992	3,471,208	1991	3,508,036	1990	3,544,763	1989	3,581,338
1988	3,617,766	1987	3,654,023	1986	3,690,046	1985	3,725,851
1984	3,761,411	1983	3,796,644	1982	3,831,580	1981	3,866,194
1980	3,900,383	1979	3,934,187	1978	3,967,579	1977	4,000,433
1976	4,032,805	1975	4,064,660	1974	4,095,846	1973	4,126,427
1972	4,156,369	1971	4,185,480	1970	4,213,835	1969	4,241,385
1968	4,267,889	1967	4,293,434	1966	4,317,945	1965	4,341,082
1964	4,362,945	1963	4,383,391	1962	4,401,881	1961	4,418,443
1960	4,432,679						

Curve: O1 ASL: 75 SSD: 2.09E+13 IV: 157

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	3,097,880	2003	3,127,524	2002	3,157,169	2001	3,186,814
2000	3,216,459	1999	3,246,103	1998	3,275,748	1997	3,305,393
1996	3,335,038	1995	3,364,683	1994	3,394,327	1993	3,423,972
1992	3,453,617	1991	3,483,262	1990	3,512,906	1989	3,542,551
1988	3,572,196	1987	3,601,841	1986	3,631,486	1985	3,661,130
1984	3,690,775	1983	3,720,420	1982	3,750,065	1981	3,779,709
1980	3,809,354	1979	3,838,999	1978	3,868,644	1977	3,898,289
1976	3,927,933	1975	3,957,578	1974	3,987,223	1973	4,016,868
1972	4,046,512	1971	4,076,157	1970	4,105,802	1969	4,135,447
1968	4,165,092	1967	4,194,736	1966	4,224,381	1965	4,254,026
1964	4,283,671	1963	4,313,315	1962	4,342,960	1961	4,372,605
1960	4,402,250						

Curve: O2 ASL: 75 SSD: 2.74E+13 IV: 179

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	2,930,249	2003	2,963,581	2002	2,996,918	2001	3,030,252
2000	3,063,588	1999	3,096,925	1998	3,130,259	1997	3,163,598
1996	3,196,932	1995	3,230,269	1994	3,263,604	1993	3,296,938
1992	3,330,277	1991	3,363,612	1990	3,396,949	1989	3,430,283
1988	3,463,619	1987	3,496,956	1986	3,530,290	1985	3,563,629
1984	3,596,963	1983	3,630,300	1982	3,663,635	1981	3,696,969
1980	3,730,308	1979	3,763,643	1978	3,796,980	1977	3,830,315
1976	3,863,650	1975	3,896,987	1974	3,930,321	1973	3,963,657
1972	3,996,989	1971	4,030,326	1970	4,063,659	1969	4,096,987
1968	4,130,318	1967	4,163,645	1966	4,196,972	1965	4,230,291
1964	4,263,606	1963	4,296,920	1962	4,330,223	1961	4,363,520
1960	4,396,807						

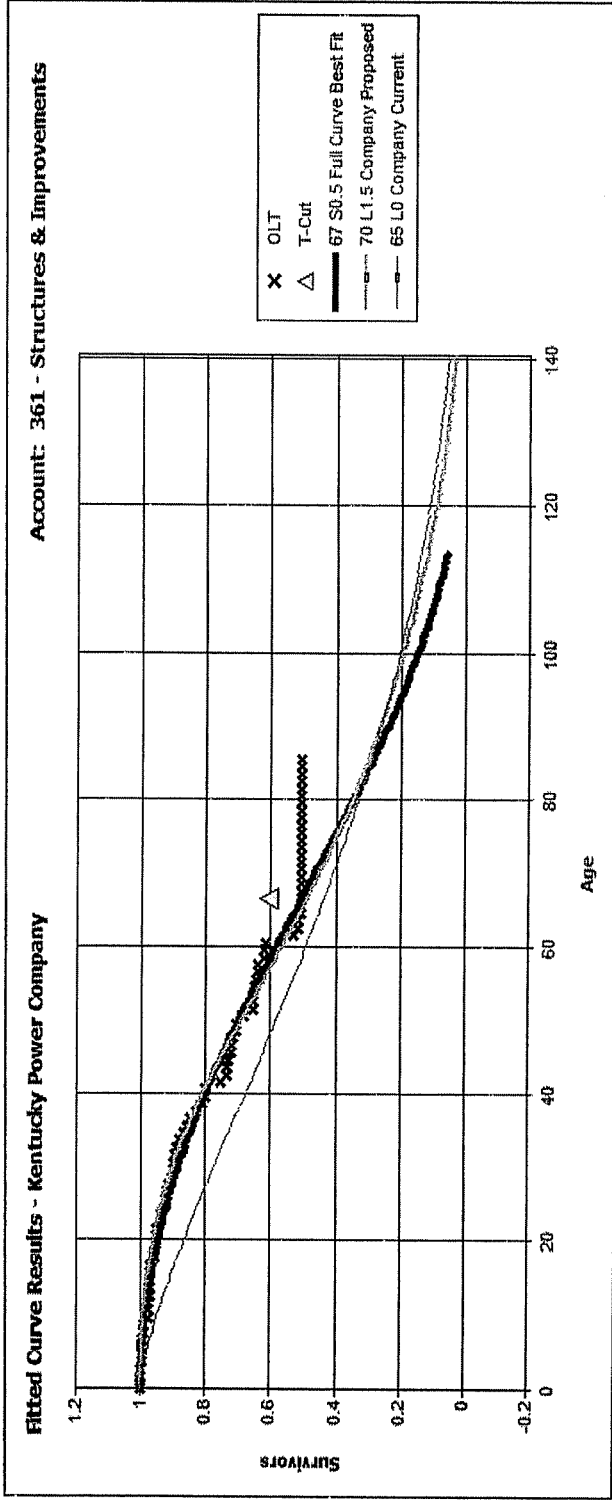
Curve: O3 ASL: 75 SSD: 5.64E+13 IV: 257

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	2,433,934	2003	2,469,967	2002	2,506,459	2001	2,543,503

2000	2,580,998	1999	2,618,938	1998	2,657,416	1997	2,696,328
1996	2,735,669	1995	2,775,518	1994	2,815,781	1993	2,856,455
1992	2,897,605	1991	2,939,147	1990	2,981,066	1989	3,023,434
1988	3,066,161	1987	3,109,238	1986	3,152,727	1985	3,196,542
1984	3,240,678	1983	3,285,183	1982	3,329,985	1981	3,375,076
1980	3,420,493	1979	3,466,176	1978	3,512,110	1977	3,558,334
1976	3,604,790	1975	3,651,466	1974	3,698,394	1973	3,745,523
1972	3,792,841	1971	3,840,372	1970	3,888,073	1969	3,935,936
1968	3,983,983	1967	4,032,167	1966	4,080,490	1965	4,128,965
1964	4,177,556	1963	4,226,258	1962	4,275,084	1961	4,324,007
1960	4,373,022						

Curve: O4 ASL: 75 SSD: 9.57E+13 IV: 335

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	2,009,181	2003	2,042,051	2002	2,075,754	2001	2,110,474
2000	2,146,063	1999	2,182,542	1998	2,220,106	1997	2,258,591
1996	2,298,010	1995	2,338,573	1994	2,380,099	1993	2,422,594
1992	2,466,268	1991	2,510,931	1990	2,556,587	1989	2,603,440
1988	2,651,287	1987	2,700,122	1986	2,750,149	1985	2,801,150
1984	2,853,120	1983	2,906,241	1982	2,960,295	1981	3,015,274
1980	3,071,333	1979	3,128,268	1978	3,186,055	1977	3,244,829
1976	3,304,394	1975	3,364,724	1974	3,425,933	1973	3,487,834
1972	3,550,406	1971	3,613,728	1970	3,677,642	1969	3,742,121
1968	3,807,226	1967	3,872,821	1966	3,938,875	1965	4,005,437
1964	4,072,389	1963	4,139,707	1962	4,207,424	1961	4,275,444
1960	4,343,744						



**Analytical Parameters**

OLT Placement Band:	1915 - 2003
OLT Experience Band:	1960 - 2004
Minimum Life Parameter:	4
Maximum Life Parameter:	75
Life Increment Parameter:	1
Max Age (T-Cut):	66.5

Kentucky Power Company  
Electric Plant In Service  
Geometric Mean Turnover Analysis

Account 361 - Structures & Improvements

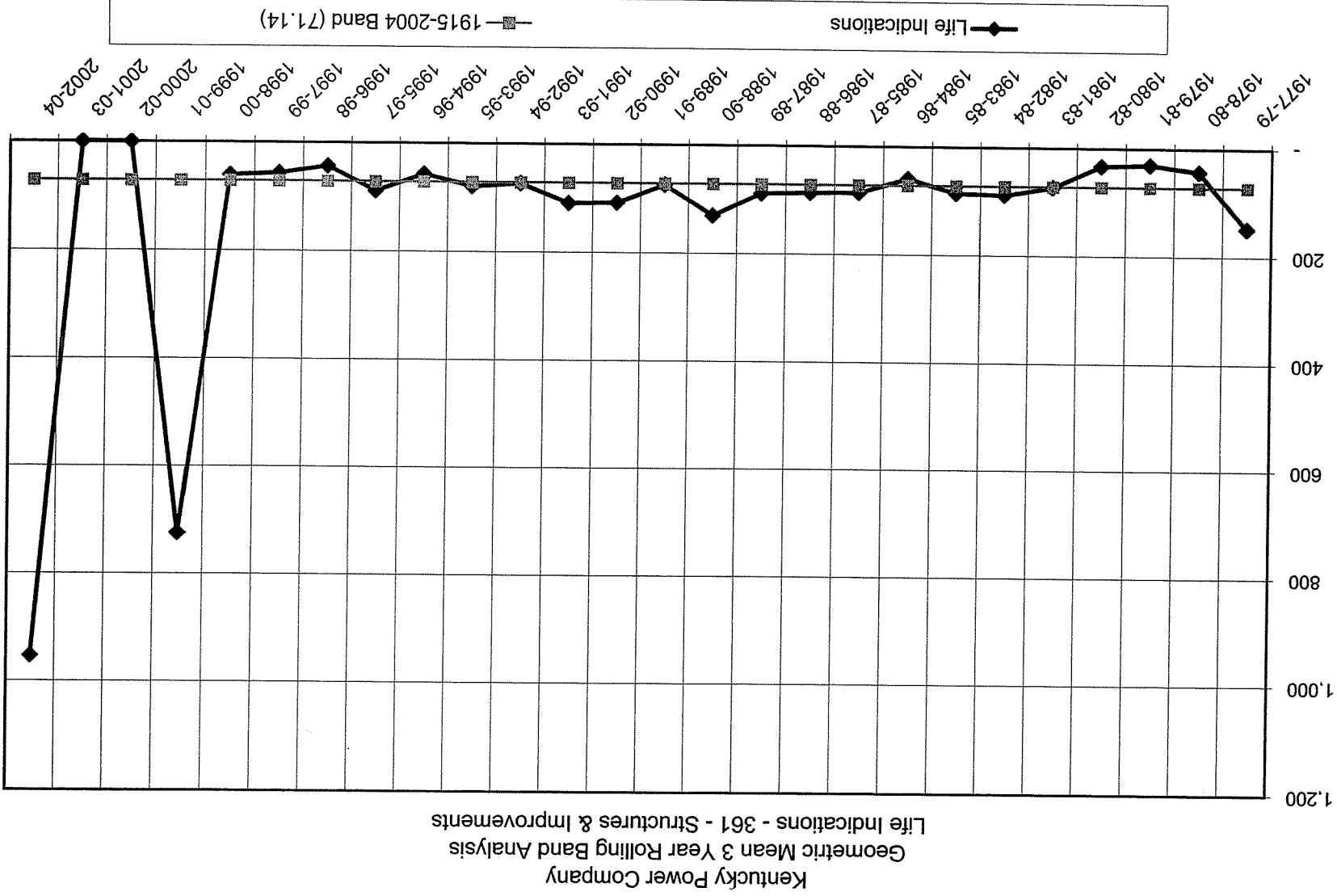
Year	3 Year Band													
	BOY Plant Balance a	Avg. Plant Balance $b = \frac{a+(a+1)}{2}$	Single Year Additions c	Single Year Retirements d	Addition Ratio e = c/b	Retirement Ratio f = d/b	Geometric Mean Life Estimate g = $1/\sqrt{(e*f)}$	3 Year Band h	Avg. Plant Balance i	Additions j	Retirements k	Addition Ratio l = j/i	Retirement Ratio m = k/i	Geometric Mean Life Estimate n = $1/\sqrt{(l*m)}$
1915	-	42	83	-	2.00000	-	-	-	-	-	-	-	-	-
1916	83	484	801	-	1.65667	-	-	-	-	-	-	-	-	-
1917	884	884	-	-	-	-	-	-	-	-	-	-	-	-
1918	884	1,323	878	-	0.66364	-	1915-17	1,409	884	-	0.62740	-	-	-
1919	1,762	1,762	-	-	-	-	1916-18	2,691	1,679	-	0.62405	-	-	-
1920	1,762	1,762	-	-	-	-	1917-19	3,969	878	-	0.22121	-	-	-
1921	1,762	1,762	-	-	-	-	1918-20	4,847	878	-	0.18114	-	-	-
1922	1,762	1,762	-	-	-	-	1919-21	5,286	-	-	-	-	-	-
1923	1,762	1,980	436	-	0.22020	-	1920-22	5,286	-	-	-	-	-	-
1924	2,198	5,715	7,034	-	1.23080	-	1921-23	5,504	436	-	0.07922	-	-	-
1925	9,232	9,232	-	-	-	-	1922-24	9,457	7,470	-	0.78989	-	-	-
1926	9,232	13,019	7,574	-	0.58177	-	1923-25	16,927	7,470	-	0.44131	-	-	-
1927	16,806	17,819	2,025	-	0.11365	-	1924-26	27,966	14,608	-	0.52235	-	-	-
1928	18,831	20,472	3,281	-	0.16027	-	1925-27	40,070	9,599	-	0.23956	-	-	-
1929	22,112	23,874	3,524	-	0.14761	-	1926-28	51,309	12,880	-	0.25103	-	-	-
1930	25,636	25,723	174	-	0.00676	-	1927-29	62,164	8,830	-	0.14204	-	-	-
1931	25,810	26,205	790	-	0.03015	-	1928-30	70,069	6,979	-	0.09960	-	-	-
1932	26,600	26,600	-	-	-	-	1929-31	75,802	4,488	-	0.05921	-	-	-
1933	26,600	27,037	873	-	0.03229	-	1930-32	78,528	964	-	0.01228	-	-	-
1934	27,473	27,473	-	-	-	-	1931-33	79,842	1,663	-	0.02083	-	-	-
1935	27,473	27,473	-	-	-	-	1932-34	81,110	873	-	0.01076	-	-	-
1936	27,473	29,011	3,075	-	0.10600	-	1933-35	81,983	873	-	0.01065	-	-	-
1937	30,548	31,483	1,870	-	0.05940	-	1934-36	83,957	3,075	-	0.03663	-	-	-
1938	32,418	51,225	37,614	-	0.73429	-	1935-37	87,967	4,945	-	0.05621	-	-	-
1939	70,032	70,669	1,273	-	0.01801	-	1936-38	111,719	42,559	-	0.38095	-	-	-
1940	71,305	74,412	6,213	-	0.08350	-	1937-39	153,377	40,757	-	0.26573	-	-	-
1941	77,518	79,173	3,310	-	0.04181	-	1938-40	196,305	45,100	-	0.22974	-	-	-
1942	80,828	81,535	1,413	-	0.01733	-	1939-41	224,253	10,796	-	0.04814	-	-	-
1943	82,241	83,175	1,867	-	0.02245	-	1940-42	235,119	10,836	-	0.04651	-	-	-
1944	84,108	90,693	13,050	-	0.14399	-	1941-43	243,882	6,590	-	0.02702	-	-	-
1945	97,158	97,849	1,382	-	0.01412	-	1942-44	255,342	16,330	-	0.06395	-	-	-
1946	98,540	99,215	1,349	-	0.01360	-	1943-45	271,657	16,299	-	0.06000	-	-	-
1947	99,899	101,717	3,656	-	0.03594	-	1944-46	287,897	15,781	-	0.05485	-	-	-
1948	103,545	106,848	6,605	-	0.06182	-	1945-47	298,781	6,387	-	0.02138	-	-	-
1949	110,150	112,813	5,325	-	0.04720	-	1946-48	307,779	11,610	-	0.03772	-	-	-
1950	115,475	117,837	4,723	-	0.04008	-	1947-49	321,377	15,586	-	0.04850	-	-	-
1951	120,198	122,274	4,152	-	0.03396	-	1948-50	337,497	16,653	-	0.04934	-	-	-
1952	124,350	128,743	8,785	-	0.06824	-	1949-51	352,923	14,200	-	0.04024	-	-	-
1953	133,135	137,793	9,315	-	0.06760	-	1950-52	368,853	17,660	-	0.04788	-	-	-
1954	142,450	144,993	5,085	-	0.03507	-	1951-53	388,809	22,252	-	0.05723	-	-	-
1955	147,535	148,055	1,039	-	0.00702	-	1952-54	411,528	23,185	-	0.05634	-	-	-
1956	148,574	153,523	9,898	-	0.06447	-	1953-55	430,840	15,439	-	0.03583	-	-	-
1957	158,472	162,822	8,699	-	0.05343	-	1954-56	446,570	16,022	-	0.03588	-	-	-
1958	167,171	169,167	3,991	-	0.02359	-	1955-57	464,399	19,636	-	0.04228	-	-	-
1959	171,162	171,289	253	-	0.00148	-	1956-58	485,511	22,588	-	0.04652	-	-	-
1960	171,415	171,269	675	968	0.00394	0.00565	1957-59	503,277	12,943	-	0.02572	-	-	-
1961	171,122	166,758	2,501	11,229	0.01500	0.06734	1958-60	511,724	4,919	968	0.00961	0.00189	234.51	-
1962	162,394	162,214	266	627	0.00164	0.00387	1959-61	509,315	3,429	12,197	0.00673	0.02395	78.75	-
1963	162,033	162,588	5,326	4,216	0.03276	0.02593	1960-62	500,240	3,442	12,824	0.00688	0.02564	75.29	-
1964	163,143	164,632	6,287	3,310	0.03819	0.02011	1961-63	491,560	8,093	16,072	0.01646	0.03270	43.10	-
1965	166,120	161,928	2,233	10,618	0.01379	0.06557	1962-64	489,433	11,879	8,153	0.02427	0.01666	49.73	-
1966	157,735	172,830	31,794	1,605	0.18396	0.00929	1963-65	489,147	13,846	18,144	0.02831	0.03709	30.86	-
1967	187,924	197,118	20,862	2,475	0.10584	0.01256	1964-66	499,389	40,314	15,533	0.08073	0.03110	19.96	-
1968	206,311	216,882	25,283	4,542	0.11668	0.02096	1965-67	531,875	54,889	14,698	0.03200	0.02763	18.73	-
1969	227,052	227,966	7,268	5,440	0.03188	0.02386	1966-68	586,629	77,939	8,622	0.01326	0.01470	22.63	-
1970	228,890	235,954	14,416	269	0.06110	0.00114	1967-69	641,765	53,413	12,457	0.08323	0.01941	24.88	-
1971	243,027	273,118	61,471	1,290	0.22507	0.00472	1968-70	680,501	46,967	10,251	0.06901	0.01506	31.02	-
1972	303,208	337,559	70,843	2,141	0.20987	0.00634	1969-71	737,037	83,155	6,999	0.11282	0.00950	30.55	-
1973	371,910	390,756	46,935	9,244	0.12011	0.02366	1970-72	846,630	146,730	3,700	0.17331	0.00437	36.34	-
1974	409,601	443,542	71,409	3,527	0.16100	0.00795	1971-73	1,001,432	179,249	12,675	0.17899	0.01266	21.01	-
1975	477,483	511,909	72,994	4,142	0.14259	0.00809	1972-74	1,171,857	189,187	14,912	0.16144	0.01273	22.06	-
1976	546,335	558,687	25,447	744	0.04555	0.00133	1973-75	1,346,207	191,338	16,913	0.14213	0.01256	23.66	-
1977	571,038	619,180	96,284	-	0.15550	-	1974-76	1,514,138	169,850	8,413	0.11218	0.00556	40.06	-
1978	667,322	690,004	46,508	1,144	0.06740	0.00166	1975-77	1,689,776	194,725	4,886	0.11524	0.00289	54.78	-
1979	712,686	716,393	7,513	99	0.01049	0.00014	1976-78	1,867,871	168,239	1,888	0.09007	0.00101	104.81	-
1980	720,100	906,418	378,118	5,482	0.41716	0.00605	1977-79	2,025,577	150,305	1,243	0.07420	0.00061	148.19	-
1981	1,092,736	1,140,523	106,712	11,139	0.09356	0.00977	1978-80	2,312,815	432,139	6,725	0.16885	0.00291	42.90	-
1982	1,188,309	1,241,314	106,010	-	0.08540	-	1979-81	2,763,334	492,343	16,720	0.17817	0.00605	30.46	-
1983	1,294,319	1,297,601	7,053	489	0.00544	0.00038	1980-82	3,288,255	590,840	16,621	0.17968	0.00505	33.18	-
1984	1,300,883	1,298,621	10,503	15,027	0.00809	0.01157	1981-83	3,679,438	219,775	11,628	0.05973	0.00316	72.78	-
1985	1,295,359	1,356,529	120,499	159	0.08883	0.00012	1982-84	3,837,536	123,566	15,516	0.03220	0.00404	87.64	-
1986	1,416,699	1,493,762	156,173	2,048	0.10455	0.00137	1983-85	3,952,751	138,055	15,675	0.03493	0.00397	84.97	-
1987	1,570,824	1,632,844	128,698	4,659	0.07882	0.00285	1984-86	4,148,912	287,175	17,234	0.06922	0.00415	58.97	-
1988	1,694,863	1,711,643	36,771	3,211	0.02148	0.00188	1985-87	4,483,134	405,370	8,866	0.09042	0.00153	84.98	-
1989	1,728,423	1,761,039	71,527	6,295	0.04062	0.00357	1986-88	4,838,248	321,642	9,918	0.06648	0.00205	85.66	-
1990	1,793,655	1,809,449	33,895	2,108	0.01862	0.00116	1987-89	5,105,526	236,996	14,165	0.04642	0.00277	88.12	-
1991	1,825,242	1,999,127	351,958	4,188	0.17606	0.00209	1988-90	5,282,131	141,993	11,614	0.02688	0.00220	130.07	-
1992	2,173,012	2,229,330	112,635	-	0.05052	-	1989-91	5,569,615	457,180	12,591	0.08208	0.00226	73.41	-
1993	2,285,647	2,412,526	254,730	972	0.10559	0.00040	1990-92	6,037,905	498,288	6,296	0.08253	0.00104	107.80	-
1994	2,539,405	2,583,159	107,183	19,675	0.04149	0.00762	1991-93	6,640,983	719,323	5,160	0.10832	0.00078	109.00	-
1995	2,826,913	2,644,253	37,436	2,757	0.01416	0.00104	1992-94	7,225,015	474,548	20,647	0.06568	0.00286	72.99	-
1996	2,661,592	2,961,641	605,128	5,03										

Kentucky Power Company  
Electric Plant In Service  
Geometric Mean Turnover Analysis

Account 361 - Structures & Improvements

Year	Geometric							3 Year Band			Geometric				
	<u>BOY Plant Balance</u>	<u>Avg. Plant Balance</u>	<u>Single Year Additions</u>	<u>Single Year Retirements</u>	<u>Addition Ratio</u>	<u>Retirement Ratio</u>	<u>Life Estimate</u>	<u>3 Year Band</u>	<u>Avg. Plant Balance</u>	<u>Additions</u>	<u>Retirements</u>	<u>Addition Ratio</u>	<u>Retirement Ratio</u>	<u>Life Estimate</u>	
	a	$b=(a+(a+1))/2$	c	d	e = c/b	f = d/b	$g = 1/\sqrt{e*f}$	h	i	j	k	l = j/i	m = k/i	$n = 1/\sqrt{l*m}$	
2000	3,689,356	3,739,733	100,753	-	0.02694	-	-	1998-00	10,543,003	524,454	57,521	0.04974	0.00546	60.70	
2001	3,790,109	3,793,623	7,028	-	0.00185	-	-	1999-01	11,026,536	500,595	462	0.04540	0.00004	725.06	
2002	3,797,137	3,816,394	38,514	-	0.01009	-	-	2000-02	11,349,750	146,295	-	0.01289	-	-	
2003	3,835,651	4,033,543	395,784	-	0.09812	-	-	2001-03	11,643,560	441,326	-	0.03790	-	-	
2004	4,231,435	4,231,250	-	370	-	0.00009	-	2002-04	12,081,187	434,298	370	0.03595	0.00003	953.05	
1915-2004	67,484,217	69,599,750	4,446,347	215,282	0.06388	0.00309	71.14								

Data Source:

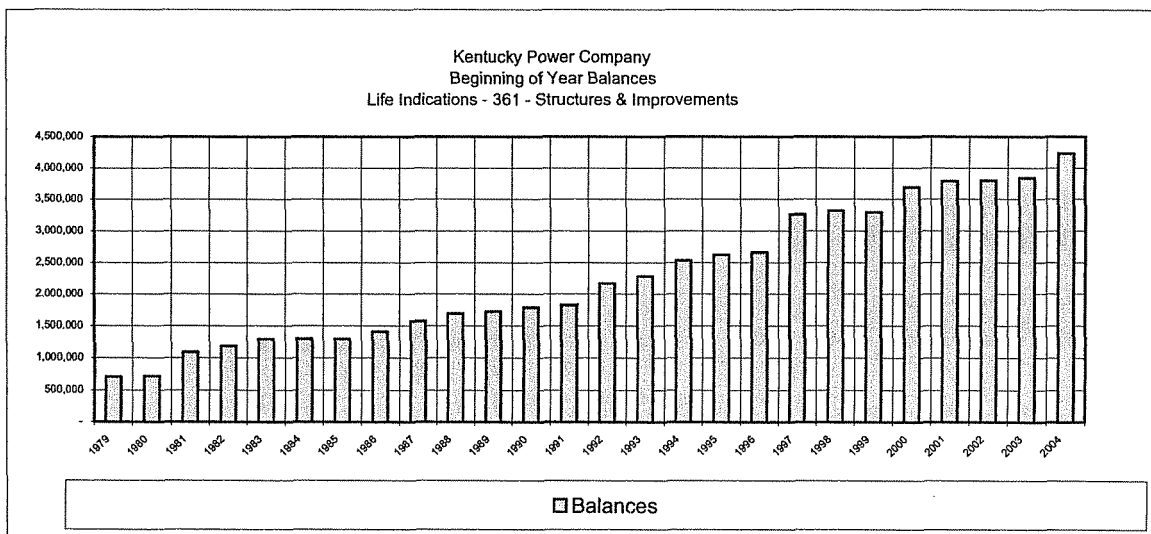
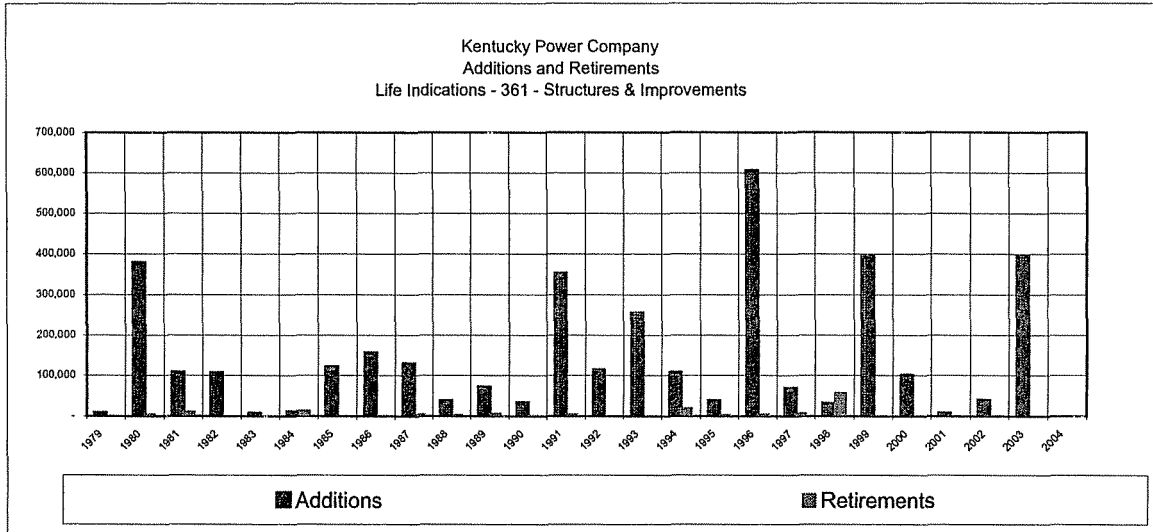


Snively King Majors O'Connor & Lee, Inc.

1/6/2006

**Kentucky Power Company  
Electric Plant In Service  
Additions, Retirements and Balances**

**Account 361 - Structures & Improvements**



**Kentucky Power Company**

**361 - Structures & Improvements**

**Calculation of Remaining Life  
Based Upon Broad Group/Vintage Group Procedures  
Related to Original Cost as of December 31, 2004**

Survivor Curve .. IOWA:            70            R1.5

<u>Year</u> (1)	<u>Age</u> (2)	<u>Surviving Investment</u> (3)	<u>BG/VG Average</u>		<u>ASL Weights</u> (6)=(3)/(4)	<u>RL Weights</u> (7)=(6)*(5)
			<u>Service Life</u> (4)	<u>Remaining Life</u> (5)		
2004	0.5	5	70.00	69.59	0	5
2003	1.5	5	70.00	68.76	0	5
2002	2.5	5	70.00	67.95	0	5
2001	3.5	5	70.00	67.13	0	5
2000	4.5	5	70.00	66.32	0	5
1999	5.5	5	70.00	65.51	0	5
1998	6.5	5	70.00	64.70	0	5
1997	7.5	5	70.00	63.90	0	5
1996	8.5	5	70.00	63.10	0	5
1995	9.5	5	70.00	62.31	0	4
1994	10.5	5	70.00	61.51	0	4
1993	11.5	5	70.00	60.73	0	4
1992	12.5	5	70.00	59.94	0	4
1991	13.5	5	70.00	59.16	0	4
1990	14.5	5	70.00	58.38	0	4
1989	15.5	5	70.00	57.60	0	4
1988	16.5	5	70.00	56.83	0	4
1987	17.5	5	70.00	56.06	0	4
1986	18.5	5	70.00	55.30	0	4
1985	19.5	5	70.00	54.54	0	4
1984	20.5	5	70.00	53.78	0	4
1983	21.5	5	70.00	53.02	0	4
1982	22.5	5	70.00	52.27	0	4
1981	23.5	5	70.00	51.52	0	4
1980	24.5	5	70.00	50.78	0	4
1979	25.5	5	70.00	50.04	0	4
1978	26.5	5	70.00	49.30	0	4
1977	27.5	5	70.00	48.57	0	3
1976	28.5	5	70.00	47.84	0	3
1975	29.5	5	70.00	47.12	0	3
1974	30.5	5	70.00	46.40	0	3
1973	31.5	5	70.00	45.68	0	3
1972	32.5	5	70.00	44.97	0	3
1971	33.5	5	70.00	44.26	0	3
1970	34.5	5	70.00	43.56	0	3



1969	35.5	5	70.00	42.86	0	3
1968	36.5	5	70.00	42.17	0	3
1967	37.5	5	70.00	41.48	0	3
1966	38.5	5	70.00	40.80	0	3
1965	39.5	5	70.00	40.12	0	3
1964	40.5	5	70.00	39.45	0	3
1963	41.5	5	70.00	38.79	0	3
1962	42.5	5	70.00	38.12	0	3
1961	43.5	5	70.00	37.47	0	3
1960	44.5	5	70.00	36.82	0	3
1959	45.5	5	70.00	36.18	0	3
1958	46.5	5	70.00	35.54	0	3
1957	47.5	5	70.00	34.91	0	2
1956	48.5	5	70.00	34.28	0	2
1955	49.5	5	70.00	33.66	0	2
1954	50.5	5	70.00	33.05	0	2
1953	51.5	5	70.00	32.45	0	2
1952	52.5	5	70.00	31.85	0	2
1951	53.5	5	70.00	31.26	0	2
1950	54.5	5	70.00	30.67	0	2
1949	55.5	5	70.00	30.09	0	2
1948	56.5	5	70.00	29.52	0	2
1947	57.5	5	70.00	28.95	0	2
1946	58.5	5	70.00	28.39	0	2
1945	59.5	5	70.00	27.84	0	2
1944	60.5	5	70.00	27.30	0	2
1943	61.5	5	70.00	26.76	0	2
1942	62.5	5	70.00	26.23	0	2
1941	63.5	5	70.00	25.71	0	2
1940	64.5	5	70.00	25.20	0	2
1939	65.5	5	70.00	24.69	0	2
1938	66.5	5	70.00	24.19	0	2
1937	67.5	5	70.00	23.70	0	2
1936	68.5	5	70.00	23.22	0	2
1935	69.5	5	70.00	22.74	0	2
1934	70.5	5	70.00	22.27	0	2
1933	71.5	5	70.00	21.81	0	2
1932	72.5	5	70.00	21.35	0	2
1931	73.5	5	70.00	20.90	0	1
1930	74.5	5	70.00	20.47	0	1
1929	75.5	5	70.00	20.03	0	1
1928	76.5	5	70.00	19.61	0	1
1927	77.5	5	70.00	19.19	0	1
1926	78.5	5	70.00	18.78	0	1
1925	79.5	5	70.00	18.38	0	1
1924	80.5	5	70.00	17.98	0	1
1923	81.5	5	70.00	17.59	0	1
1922	82.5	5	70.00	17.21	0	1
1921	83.5	5	70.00	16.83	0	1
1920	84.5	5	70.00	16.46	0	1
1919	85.5	5	70.00	16.10	0	1
1918	86.5	5	70.00	15.74	0	1

1917	87.5	5	70.00	15.39	0	1
1916	88.5	5	70.00	15.04	0	1
1915	89.5	5	70.00	14.70	0	1

450 6 247

AVERAGE SERVICE LIFE 70.00  
AVERAGE REMAINING LIFE 38.45

**SK Notes**  
Account analyzed with SPR model - Use company recommendation

The investment in this account has experienced a complete life cycle. Based on the results of the actual analysis, the recommendation is to move to a 30 year average service life following an R.O.S type dispersion.  
Scrap rates of substation equipment and reuse salvage are expected from the retirement of investments in this account. However, the cost to the remove the equipment is expected to offset any salvage realized. The recommendation is for a gross salvage of 35% and a gross removal of 35%.

**Company Notes**

## 362 - Station Equipment

Kentucky Power Company

**Observed Life Table Results  
Kentucky Power Company  
Account: 362 - Station Equipment**

Age	Exposures	Retiremen	Retiremen	Survivor	Cumulative
			Ratio (%)	Ratio (%)	Survivors
<b>BAND</b>		<b>1914 - 2004</b>			
0	55,602,241	102,925	0.1851	99.8149	1.0000
0.5	55,070,244	814,520	1.4791	98.5209	0.9981
1.5	52,360,978	652,034	1.2453	98.7547	0.9834
2.5	50,980,896	767,922	1.5063	98.4937	0.9711
3.5	48,097,041	948,899	1.9729	98.0271	0.9565
4.5	45,371,245	1,023,144	2.2550	97.7450	0.9376
5.5	43,193,660	646,988	1.4979	98.5021	0.9165
6.5	41,643,343	664,828	1.5965	98.4035	0.9028
7.5	39,257,013	555,257	1.4144	98.5856	0.8884
8.5	36,787,316	499,678	1.3583	98.6417	0.8758
9.5	31,759,508	371,583	1.1700	98.8300	0.8639
10.5	29,983,359	575,506	1.9194	98.0806	0.8538
11.5	25,991,361	418,654	1.6107	98.3893	0.8374
12.5	24,524,613	313,392	1.2779	98.7221	0.8239
13.5	22,601,832	411,585	1.8210	98.1790	0.8134
14.5	21,782,481	402,782	1.8491	98.1509	0.7986
15.5	20,839,130	363,271	1.7432	98.2568	0.7838
16.5	20,151,478	420,430	2.0863	97.9137	0.7701
17.5	17,928,145	327,281	1.8255	98.1745	0.7541
18.5	16,021,611	262,357	1.6375	98.3625	0.7403
19.5	15,036,076	233,153	1.5506	98.4494	0.7282
20.5	14,137,615	100,579	0.7114	99.2886	0.7169
21.5	13,300,348	473,151	3.5574	96.4426	0.7118
22.5	11,344,595	204,364	1.8014	98.1986	0.6865
23.5	10,247,827	240,215	2.3441	97.6559	0.6741
24.5	7,440,308	145,609	1.9570	98.0430	0.6583
25.5	6,798,912	107,396	1.5796	98.4204	0.6454
26.5	5,542,764	66,415	1.1982	98.8018	0.6352
27.5	4,634,404	118,882	2.5652	97.4348	0.6276
28.5	4,361,439	113,482	2.6019	97.3981	0.6115
29.5	3,877,074	94,470	2.4366	97.5634	0.5956
30.5	3,444,382	226,171	6.5664	93.4336	0.5811
31.5	2,714,506	158,369	5.8342	94.1658	0.5429
32.5	1,787,564	35,228	1.9707	98.0293	0.5113
33.5	1,453,966	67,002	4.6082	95.3918	0.5012
34.5	1,179,328	39,262	3.3292	96.6708	0.4781
35.5	1,105,798	57,708	5.2187	94.7813	0.4622
36.5	906,874	132,001	14.5556	85.4444	0.4381
37.5	656,321	80,912	12.3281	87.6719	0.3743
38.5	518,216	19,770	3.8150	96.1850	0.3281
39.5	497,240	33,572	6.7517	93.2483	0.3156
40.5	440,777	15,982	3.6259	96.3741	0.2943
41.5	352,683	54,559	15.4697	84.5303	0.2836
42.5	287,860	2,981	1.0356	98.9644	0.2398
43.5	256,200	5,703	2.2260	97.7740	0.2373
44.5	234,790	117,525	50.0554	49.9446	0.2320

**Observed Life Table Results  
Kentucky Power Company  
Account: 362 - Station Equipment**

Age	Exposures	Retiremen	Retiremen Ratio (%)	Survivor Ratio (%)	Cumulative Survivors
45.5	117,265	1,647	1.4045	98.5955	0.1159
46.5	115,618	1,657	1.4332	98.5668	0.1142
47.5	93,600	1,838	1.9637	98.0363	0.1126
48.5	91,762	917	0.9993	99.0007	0.1104
49.5	90,845	36,688	40.3853	59.6147	0.1093
50.5	54,157	10,337	19.0871	80.9129	0.0652
51.5	43,820	0	0.0000	100.0000	0.0527
52.5	43,820	954	2.1771	97.8229	0.0527
53.5	42,866	906	2.1136	97.8864	0.0516
54.5	41,960	870	2.0734	97.9266	0.0505
55.5	41,090	379	0.9224	99.0776	0.0494
56.5	40,711	0	0.0000	100.0000	0.0490
57.5	40,711	0	0.0000	100.0000	0.0490
58.5	40,711	6,534	16.0497	83.9503	0.0490
59.5	34,177	2,128	6.2264	93.7736	0.0411
60.5	32,049	16,211	50.5819	49.4181	0.0386
61.5	15,838	7,606	48.0237	51.9763	0.0191
62.5	8,232	3,014	36.6132	63.3868	0.0099
63.5	5,218	4,350	83.3653	16.6347	0.0063
64.5	868	868	100.0000	0.0000	0.0010
65.5	0	0	0.0000	100.0000	0.0000
66.5	0	0	0.0000	100.0000	0.0000
67.5	0	0	0.0000	100.0000	0.0000
68.5	0	0	0.0000	100.0000	0.0000
69.5	0	0	0.0000	100.0000	0.0000
70.5	0	0	0.0000	100.0000	0.0000
71.5	0	0	0.0000	100.0000	0.0000
72.5	0	0	0.0000	100.0000	0.0000
73.5	0	0	0.0000	100.0000	0.0000
74.5	0	0	0.0000	100.0000	0.0000
75.5	0	0	0.0000	100.0000	0.0000
76.5	0	0	0.0000	100.0000	0.0000
77.5	0	0	0.0000	100.0000	0.0000
78.5	0	0	0.0000	100.0000	0.0000
79.5	0	0	0.0000	100.0000	0.0000
80.5	0	0	0.0000	100.0000	0.0000
81.5	0	0	0.0000	100.0000	0.0000
82.5	0	0	0.0000	100.0000	0.0000
83.5	0	0	0.0000	100.0000	0.0000
84.5	0	0	0.0000	100.0000	0.0000
85.5	0	0	0.0000	100.0000	0.0000
86.5	0	0	0.0000	100.0000	0.0000
87.5	0	0	0.0000	100.0000	0.0000
88.5	0	0	0.0000	100.0000	0.0000
89.5	0	0	0.0000	100.0000	0.0000
<b>BAND</b>		<b>1954 - 2004</b>			
0	53,330,557	102,925	0.1930	99.8070	1.0000

**Observed Life Table Results  
Kentucky Power Company  
Account: 362 - Station Equipment**

Age	Exposures	Retiremen	Retiremen Ratio (%)	Survivor Ratio (%)	Cumulative Survivors
0.5	52,957,409	814,520	1.5381	98.4619	0.9981
1.5	50,465,751	652,034	1.2920	98.7080	0.9827
2.5	49,233,933	767,922	1.5597	98.4403	0.9700
3.5	46,555,795	948,899	2.0382	97.9618	0.9549
4.5	44,174,819	1,023,144	2.3161	97.6839	0.9354
5.5	42,244,183	646,988	1.5315	98.4685	0.9138
6.5	40,760,928	664,828	1.6310	98.3690	0.8998
7.5	38,399,848	555,257	1.4460	98.5540	0.8851
8.5	35,963,694	499,678	1.3894	98.6106	0.8723
9.5	31,022,143	371,583	1.1978	98.8022	0.8602
10.5	29,250,855	575,506	1.9675	98.0325	0.8499
11.5	25,287,213	418,654	1.6556	98.3444	0.8332
12.5	23,848,736	313,392	1.3141	98.6859	0.8194
13.5	21,971,833	411,585	1.8732	98.1268	0.8086
14.5	21,155,958	402,782	1.9039	98.0961	0.7934
15.5	20,374,220	363,271	1.7830	98.2170	0.7783
16.5	19,688,187	420,430	2.1354	97.8646	0.7645
17.5	17,508,345	327,281	1.8693	98.1307	0.7481
18.5	15,605,583	262,357	1.6812	98.3188	0.7342
19.5	14,620,048	233,153	1.5947	98.4053	0.7218
20.5	13,726,711	100,579	0.7327	99.2673	0.7103
21.5	12,889,444	473,151	3.6708	96.3292	0.7051
22.5	10,999,433	204,364	1.8580	98.1420	0.6792
23.5	10,104,351	240,215	2.3773	97.6227	0.6666
24.5	7,354,762	145,609	1.9798	98.0202	0.6507
25.5	6,722,768	107,396	1.5975	98.4025	0.6379
26.5	5,477,969	66,415	1.2124	98.7876	0.6277
27.5	4,571,430	118,882	2.6005	97.3995	0.6201
28.5	4,298,465	113,482	2.6401	97.3599	0.6039
29.5	3,821,668	94,470	2.4720	97.5280	0.5880
30.5	3,392,720	226,171	6.6664	93.3336	0.5735
31.5	2,677,897	158,369	5.9139	94.0861	0.5352
32.5	1,750,955	35,228	2.0119	97.9881	0.5036
33.5	1,427,481	67,002	4.6937	95.3063	0.4934
34.5	1,157,895	39,262	3.3908	96.6092	0.4703
35.5	1,096,163	57,708	5.2645	94.7355	0.4543
36.5	898,073	132,001	14.6982	85.3018	0.4304
37.5	653,117	80,912	12.3886	87.6114	0.3672
38.5	517,140	19,770	3.8229	96.1771	0.3217
39.5	497,240	33,572	6.7517	93.2483	0.3094
40.5	440,777	15,982	3.6259	96.3741	0.2885
41.5	352,683	54,559	15.4697	84.5303	0.2780
42.5	287,860	2,981	1.0356	98.9644	0.2350
43.5	256,200	5,703	2.2260	97.7740	0.2326
44.5	234,790	117,525	50.0554	49.9446	0.2274
45.5	117,265	1,647	1.4045	98.5955	0.1136
46.5	115,618	1,657	1.4332	98.5668	0.1120

**Observed Life Table Results  
Kentucky Power Company  
Account: 362 - Station Equipment**

Age	Exposures	Retiremen	Retiremen Ratio (%)	Survivor Ratio (%)	Cumulative Survivors
47.5	93,600	1,838	1.9637	98.0363	0.1104
48.5	91,762	917	0.9993	99.0007	0.1082
49.5	90,845	36,688	40.3853	59.6147	0.1071
50.5	54,157	10,337	19.0871	80.9129	0.0639
51.5	43,820	0	0.0000	100.0000	0.0517
52.5	43,820	954	2.1771	97.8229	0.0517
53.5	42,866	906	2.1136	97.8864	0.0505
54.5	41,960	870	2.0734	97.9266	0.0495
55.5	41,090	379	0.9224	99.0776	0.0485
56.5	40,711	0	0.0000	100.0000	0.0480
57.5	40,711	0	0.0000	100.0000	0.0480
58.5	40,711	6,534	16.0497	83.9503	0.0480
59.5	34,177	2,128	6.2264	93.7736	0.0403
60.5	32,049	16,211	50.5819	49.4181	0.0378
61.5	15,838	7,606	48.0237	51.9763	0.0187
62.5	8,232	3,014	36.6132	63.3868	0.0097
63.5	5,218	4,350	83.3653	16.6347	0.0062
64.5	868	868	100.0000	0.0000	0.0010
65.5	0	0	0.0000	100.0000	0.0000

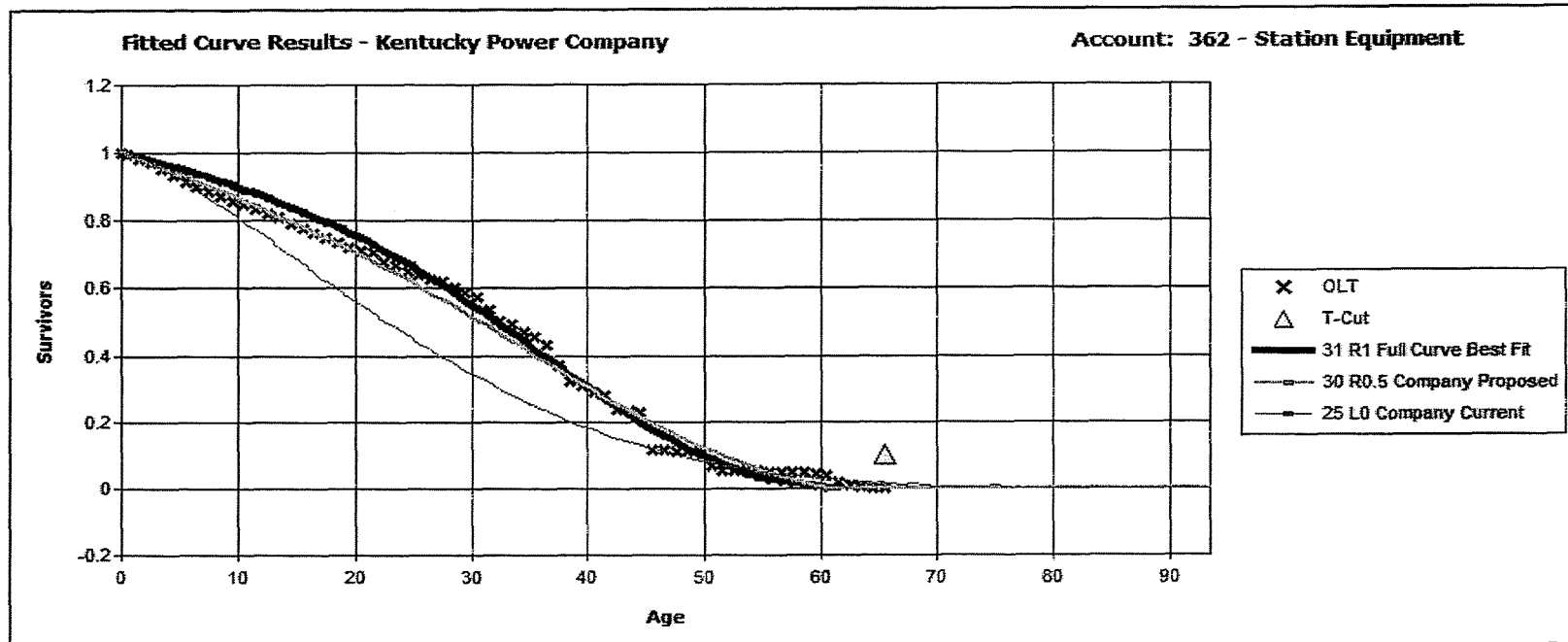
**Best Fit Curve Results**  
**Kentucky Power Company**  
**Account: 362 - Station Equipment**

Curve	Life	Sum of Squared Differences
<b>BAND</b>	<b>1954 - 2004</b>	
R1	31.0	586.681
R0.5	30.0	627.606
S0	31.0	946.874
S-0.5	30.0	956.439
R1.5	31.0	1,399.280
S0.5	31.0	1,481.554
O1	30.0	1,717.294
L1	32.0	1,906.186
L0.5	31.0	2,127.686
L1.5	32.0	2,241.867
S1	32.0	2,438.893
R2	32.0	2,845.768
L0	31.0	2,870.182
L2	32.0	3,219.072
O2	32.0	3,661.754
S1.5	32.0	3,747.734
R2.5	32.0	4,795.113
S2	33.0	5,566.038
L3	33.0	6,245.104
R3	33.0	7,386.823
S3	33.0	9,596.985
O3	37.0	10,281.318
L4	33.0	11,454.331
R4	33.0	12,792.859
O4	47.0	14,258.833
S4	33.0	15,660.746
L5	34.0	17,497.110
R5	34.0	19,981.980
S5	34.0	21,828.218
S6	34.0	27,606.651
SQ	33.0	40,443.590

**Analytical Parameters**

OLT Placement Band: 1914 - 2004  
 OLT Experience Band 1954 - 2004  
 Minimum Life Paramet 4  
 Maximum Life Parame 53  
 Life Increment Parame 1  
 Max Age (T-Cut): 65.5





**Analytical Parameters**

OLT Placement Band:	1914 - 2004
OLT Experience Band:	1954 - 2004
Minimum Life Parameter:	4
Maximum Life Parameter:	53
Life Increment Parameter:	1
Max Age (T-Cut):	65.5

**SPR Results**  
**Kentucky Power Company**  
**Account: 362 - Station Equipment**

Curve	Life	Sum of Squared Differences	Index of Variation
<b>BAND: 1957 - 2004</b>			
O3	45	1.21E+14	101
O2	34	1.27E+14	103
O1	31	1.29E+14	104
R0.5	29	1.37E+14	107
L0	31	1.43E+14	109
S-0.5	28	1.43E+14	110
R1	27	1.47E+14	111
O4	53	1.47E+14	111
L0.5	29	1.53E+14	113
R1.5	26	1.58E+14	115
S0	27	1.59E+14	116
L1	28	1.67E+14	118
S0.5	26	1.69E+14	119
R2	25	1.71E+14	120
L1.5	26	1.79E+14	122
S1	25	1.81E+14	123
R2.5	24	1.84E+14	124
S1.5	24	1.92E+14	127
L2	25	1.94E+14	127
R3	24	2.01E+14	130
S2	24	2.03E+14	130
L3	24	2.15E+14	134
S3	23	2.24E+14	137
R4	23	2.25E+14	137
L4	23	2.35E+14	140
S4	23	2.44E+14	143
R5	23	2.51E+14	145
L5	23	2.51E+14	145
S5	23	2.59E+14	147
S6	23	2.68E+14	150
SQ	23	2.80E+14	153

Minimum Equipment Life Expectancy: 4  
 Maximum Equipment Life Expectancy: 53  
 Life Expectancy Increment: 1  
 Begin Year: 1957  
 End Year: 2004  
 Year Fit Increment: 0

**Plant Balances**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	41,192,526	2003	41,089,334	2002	39,643,514	2001	39,074,283
2000	37,501,851	1999	36,153,766	1998	35,125,686	1997	34,631,128
1996	33,348,527	1995	31,881,675	1994	27,591,497	1993	26,192,203
1992	22,636,156	1991	21,335,341	1990	19,718,101	1989	19,551,682
1988	19,811,484	1987	19,593,480	1986	17,923,816	1985	16,235,721
1984	15,674,993	1983	15,175,687	1982	14,083,376	1981	12,697,191
1980	12,262,316	1979	9,333,472	1978	9,009,056	1977	7,842,274
1976	6,766,800	1975	6,702,291	1974	6,482,634	1973	5,905,887
1972	5,465,375	1971	4,587,154	1970	4,204,170	1969	3,900,242
1968	3,703,663	1967	3,561,639	1966	3,309,383	1965	3,042,191
1964	3,025,904	1963	2,927,700	1962	2,818,049	1961	2,740,271
1960	2,881,061	1959	2,830,830	1958	2,824,264	1957	2,728,891

**Simulated Balances**

Curve: O3                      ASL: 45                      SSD: 1.21E+14                      IV: 101

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,885,824	2003	38,291,844	2002	37,221,256	2001	37,298,722
2000	35,976,105	1999	34,963,642	1998	34,550,335	1997	34,362,288
1996	33,063,545	1995	31,831,123	1994	27,889,464	1993	26,807,235
1992	23,616,011	1991	22,707,439	1990	21,255,402	1989	21,256,743
1988	21,714,298	1987	21,803,877	1986	20,243,168	1985	18,764,084
1984	18,213,017	1983	17,793,914	1982	16,931,829	1981	15,685,102
1980	14,599,848	1979	11,450,175	1978	11,157,390	1977	9,605,636
1976	8,466,797	1975	8,093,279	1974	7,713,030	1973	7,197,206
1972	6,464,455	1971	5,532,284	1970	5,071,576	1969	4,703,620
1968	4,298,461	1967	3,945,042	1966	3,575,142	1965	3,256,760
1964	3,164,871	1963	2,982,177	1962	2,810,509	1961	2,738,877
1960	2,640,453	1959	2,581,704	1958	2,535,433	1957	2,445,871

Curve: O2                      ASL: 34                      SSD: 1.27E+14                      IV: 103

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,854,377	2003	38,295,575	2002	37,254,134	2001	37,355,305
2000	36,051,486	1999	35,054,245	1998	34,652,008	1997	34,470,380
1996	33,174,532	1995	31,942,778	1994	28,002,384	1993	26,922,214
1992	23,733,352	1991	22,827,586	1990	21,377,302	1989	21,378,690
1988	21,832,907	1987	21,915,845	1986	20,347,296	1985	18,860,895
1984	18,302,243	1983	17,874,410	1982	17,002,900	1981	15,746,993
1980	14,653,161	1979	11,497,484	1978	11,200,681	1977	9,645,428
1976	8,504,543	1975	8,129,385	1974	7,747,230	1973	7,229,435
1972	6,495,049	1971	5,562,047	1970	5,101,104	1969	4,733,007

1968	4,327,787	1967	3,974,417	1966	3,604,672	1965	3,286,549
1964	3,194,791	1963	3,011,992	1962	2,840,093	1961	2,768,019
1960	2,668,897	1959	2,609,207	1958	2,561,729	1957	2,470,745

**Curve: O1 ASL: 31 SSD: 1.29E+14 IV: 104**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	38,008,346	2003	38,447,718	2002	37,403,133	2001	37,500,189
2000	36,191,255	1999	35,189,159	1998	34,782,219	1997	34,595,053
1996	33,293,108	1995	32,054,647	1994	28,107,507	1993	27,020,574
1992	23,825,344	1991	22,915,246	1990	21,462,328	1989	21,461,123
1988	21,912,135	1987	21,991,262	1986	20,418,662	1985	18,928,352
1984	18,365,817	1983	17,934,035	1982	17,058,589	1981	15,798,913
1980	14,701,595	1979	11,543,098	1978	11,243,958	1977	9,686,521
1976	8,543,784	1975	8,166,856	1974	7,782,876	1973	7,263,241
1972	6,527,086	1971	5,592,474	1970	5,130,041	1969	4,760,484
1968	4,353,840	1967	3,999,092	1966	3,628,022	1965	3,308,633
1964	3,215,625	1963	3,031,581	1962	2,858,463	1961	2,785,186
1960	2,684,873	1959	2,624,006	1958	2,575,364	1957	2,483,240

**Curve: R0.5 ASL: 29 SSD: 1.37E+14 IV: 107**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	38,008,650	2003	38,491,280	2002	37,482,823	2001	37,609,649
2000	36,324,619	1999	35,341,201	1998	34,946,618	1997	34,765,297
1996	33,464,105	1995	32,224,024	1994	28,277,409	1993	27,193,034
1992	24,001,154	1991	23,093,652	1990	21,640,289	1989	21,636,051
1988	22,079,245	1987	22,146,638	1986	20,561,696	1985	19,060,280
1984	18,486,321	1983	18,041,221	1982	17,151,133	1981	15,877,034
1980	14,766,050	1979	11,597,832	1978	11,292,153	1977	9,729,018
1976	8,582,963	1975	8,203,492	1974	7,816,633	1973	7,294,038
1972	6,555,470	1971	5,619,727	1970	5,157,155	1969	4,787,654
1968	4,381,239	1967	4,026,942	1966	3,656,558	1965	3,338,106
1964	3,245,917	1963	3,062,398	1962	2,889,673	1961	2,816,526
1960	2,715,987	1959	2,654,548	1958	2,604,922	1957	2,511,468

**Curve: L0 ASL: 31 SSD: 1.43E+14 IV: 109**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,603,354	2003	38,110,182	2002	37,125,321	2001	37,276,393
2000	36,013,359	1999	35,055,319	1998	34,685,396	1997	34,521,714
1996	33,230,120	1995	31,993,259	1994	28,052,042	1993	26,982,451
1992	23,810,318	1991	22,933,965	1990	21,516,384	1989	21,551,862
1988	22,028,572	1987	22,117,365	1986	20,545,923	1985	19,059,089
1984	18,498,771	1983	18,060,596	1982	17,169,736	1981	15,889,251
1980	14,766,660	1979	11,589,008	1978	11,280,034	1977	9,711,279
1976	8,563,719	1975	8,184,057	1974	7,794,781	1973	7,267,599
1972	6,523,547	1971	5,583,958	1970	5,119,870	1969	4,749,269
1968	4,342,138	1967	3,987,855	1966	3,618,426	1965	3,302,319

1964	3,213,248	1963	3,032,874	1962	2,863,826	1961	2,794,608
1960	2,697,826	1959	2,639,895	1958	2,593,139	1957	2,501,780

**Curve: S-0.5 ASL: 28 SSD: 1.43E+14 IV: 110**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,296,525	2003	37,828,491	2002	36,868,207	2001	37,040,976
2000	35,798,757	1999	34,857,584	1998	34,502,511	1997	34,355,183
1996	33,082,813	1995	31,867,448	1994	27,945,727	1993	26,889,492
1992	23,727,669	1991	22,853,466	1990	21,433,569	1989	21,461,767
1988	21,931,769	1987	22,017,875	1986	20,446,394	1985	18,958,456
1984	18,397,156	1983	17,960,743	1982	17,075,275	1981	15,802,901
1980	14,691,270	1979	11,523,756	1978	11,220,939	1977	9,659,757
1976	8,517,246	1975	8,141,411	1974	7,756,923	1973	7,235,673
1972	6,498,142	1971	5,564,241	1970	5,104,435	1969	4,737,772
1968	4,334,277	1967	3,983,112	1966	3,616,158	1965	3,301,565
1964	3,213,312	1963	3,033,520	1962	2,864,509	1961	2,794,909
1960	2,697,584	1959	2,638,983	1958	2,591,677	1957	2,500,005

**Curve: R1 ASL: 27 SSD: 1.47E+14 IV: 111**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,721,594	2003	38,269,515	2002	37,317,825	2001	37,493,468
2000	36,249,789	1999	35,302,480	1998	34,937,127	1997	34,776,764
1996	33,490,025	1995	32,259,587	1994	28,322,850	1993	27,249,755
1992	24,069,601	1991	23,175,001	1990	21,733,084	1989	21,737,591
1988	22,183,338	1987	22,246,019	1986	20,652,707	1985	19,143,172
1984	18,560,144	1983	18,103,407	1982	17,199,989	1981	15,912,528
1980	14,788,780	1979	11,612,032	1978	11,301,305	1977	9,733,959
1976	8,586,310	1975	8,205,984	1974	7,817,752	1973	7,293,601
1972	6,553,999	1971	5,618,627	1970	5,157,533	1969	4,789,713
1968	4,385,144	1967	4,032,912	1966	3,664,832	1965	3,348,937
1964	3,259,135	1963	3,077,629	1962	2,906,734	1961	2,835,073
1960	2,735,574	1959	2,674,732	1958	2,625,190	1957	2,531,370

**Curve: O4 ASL: 53 SSD: 1.47E+14 IV: 111**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,283,900	2003	36,742,026	2002	35,726,979	2001	35,862,652
2000	34,600,385	1999	33,648,333	1998	33,296,922	1997	33,173,552
1996	31,940,568	1995	30,772,983	1994	26,890,518	1993	25,861,901
1992	22,719,886	1991	21,856,267	1990	20,447,800	1989	20,492,752
1988	20,997,113	1987	21,136,681	1986	19,625,454	1985	18,192,451
1984	17,685,642	1983	17,310,658	1982	16,491,878	1981	15,286,059
1980	14,238,799	1979	11,120,813	1978	10,854,658	1977	9,327,202
1976	8,208,784	1975	7,853,794	1974	7,491,451	1973	6,992,614
1972	6,275,279	1971	5,356,194	1970	4,906,671	1969	4,548,958
1968	4,153,171	1967	3,808,259	1966	3,446,038	1965	3,134,550
1964	3,049,231	1963	2,873,003	1962	2,707,533	1961	2,642,001

1960 2,549,686 1959 2,497,053 1958 2,456,981 1957 2,373,623

**Curve: L0.5 ASL: 29 SSD: 1.53E+14 IV: 113**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,388,084	2003	37,938,883	2002	36,991,911	2001	37,174,607
2000	35,938,843	1999	35,004,020	1998	34,653,312	1997	34,505,501
1996	33,229,509	1995	32,009,439	1994	28,089,053	1993	27,041,144
1992	23,891,406	1991	23,034,744	1990	21,632,494	1989	21,676,675
1988	22,154,802	1987	22,239,475	1986	20,661,348	1985	19,165,990
1984	18,594,170	1983	18,142,045	1982	17,236,320	1981	15,941,902
1980	14,807,282	1979	11,621,578	1978	11,305,772	1977	9,731,633
1976	8,579,888	1975	8,196,065	1974	7,802,690	1973	7,272,156
1972	6,526,129	1971	5,586,184	1970	5,122,694	1969	4,753,303
1968	4,347,999	1967	3,996,072	1966	3,629,401	1965	3,316,194
1964	3,229,736	1963	3,051,595	1962	2,884,305	1961	2,816,182
1960	2,719,790	1959	2,661,535	1958	2,613,789	1957	2,520,950

**Curve: R1.5 ASL: 26 SSD: 1.58E+14 IV: 115**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,646,854	2003	38,254,803	2002	37,355,089	2001	37,574,480
2000	36,366,472	1999	35,448,486	1998	35,105,003	1997	34,958,171
1996	33,678,163	1995	32,449,720	1994	28,514,538	1993	27,442,931
1992	24,263,693	1991	23,369,640	1990	21,925,923	1989	21,925,605
1988	22,361,436	1987	22,409,550	1986	20,800,360	1985	19,276,250
1984	18,678,915	1983	18,206,891	1982	17,287,755	1981	15,985,485
1980	14,848,397	1979	11,662,444	1978	11,345,489	1977	9,772,671
1976	8,621,576	1975	8,238,321	1974	7,846,752	1973	7,319,181
1972	6,576,682	1971	5,639,617	1970	5,177,734	1969	4,809,338
1968	4,404,435	1967	4,052,177	1966	3,684,401	1965	3,369,158
1964	3,280,023	1963	3,099,039	1962	2,928,651	1961	2,857,343
1960	2,757,944	1959	2,696,931	1958	2,646,876	1957	2,552,256

**Curve: S0 ASL: 27 SSD: 1.59E+14 IV: 116**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,561,268	2003	38,137,007	2002	37,210,290	2001	37,409,403
2000	36,186,285	1999	35,261,255	1998	34,915,324	1997	34,765,748
1996	33,482,060	1995	32,250,013	1994	28,317,481	1993	27,258,263
1992	24,098,252	1991	23,233,385	1990	21,823,766	1989	21,860,409
1988	22,328,309	1987	22,399,709	1986	20,807,862	1985	19,300,317
1984	18,716,696	1983	18,251,680	1982	17,332,672	1981	16,025,501
1980	14,879,005	1979	11,685,019	1978	11,363,743	1977	9,785,119
1976	8,631,083	1975	8,245,648	1974	7,850,284	1973	7,317,452
1972	6,569,290	1971	5,628,002	1970	5,163,734	1969	4,793,466
1968	4,387,182	1967	4,034,254	1966	3,666,632	1965	3,352,600
1964	3,265,205	1963	3,085,971	1962	2,917,651	1961	2,848,492
1960	2,751,027	1959	2,691,665	1958	2,642,699	1957	2,548,532

**Curve: L1 ASL: 28 SSD: 1.67E+14 IV: 118**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,647,199	2003	38,220,770	2002	37,290,056	2001	37,482,342
2000	36,251,678	1999	35,318,238	1998	34,964,534	1997	34,811,021
1996	33,529,810	1995	32,307,929	1994	28,392,272	1993	27,351,967
1992	24,212,196	1991	23,363,725	1990	21,965,381	1989	22,006,464
1988	22,473,300	1987	22,540,745	1986	20,943,288	1985	19,427,129
1984	18,831,828	1983	18,353,619	1982	17,421,585	1981	16,102,434
1980	14,946,131	1979	11,744,333	1978	11,414,358	1977	9,828,265
1976	8,666,448	1975	8,272,828	1974	7,869,948	1973	7,331,004
1972	6,578,491	1971	5,634,319	1970	5,168,010	1969	4,796,740
1968	4,390,516	1967	4,038,518	1966	3,672,478	1965	3,360,299
1964	3,274,721	1963	3,097,226	1962	2,930,209	1961	2,861,692
1960	2,764,189	1959	2,704,055	1958	2,653,718	1957	2,557,764

**Curve: S0.5 ASL: 26 SSD: 1.69E+14 IV: 119**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,398,509	2003	38,022,337	2002	37,137,646	2001	37,371,995
2000	36,178,435	1999	35,277,998	1998	34,951,983	1997	34,818,744
1996	33,549,667	1995	32,331,988	1994	28,415,035	1993	27,370,319
1992	24,223,566	1991	23,368,280	1990	21,963,467	1989	21,999,164
1988	22,460,817	1987	22,522,429	1986	20,919,530	1985	19,399,956
1984	18,802,890	1983	18,323,397	1982	17,389,893	1981	16,069,451
1980	14,912,030	1979	11,710,486	1978	11,382,941	1977	9,799,648
1976	8,642,076	1975	8,253,474	1974	7,855,423	1973	7,320,793
1972	6,572,025	1971	5,631,280	1970	5,168,140	1969	4,799,358
1968	4,394,886	1967	4,043,972	1966	3,678,450	1965	3,366,403
1964	3,280,626	1963	3,102,641	1962	2,935,159	1961	2,866,337
1960	2,768,732	1959	2,708,774	1958	2,658,846	1957	2,563,490

**Curve: R2 ASL: 25 SSD: 1.71E+14 IV: 120**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,395,339	2003	38,075,783	2002	37,241,566	2001	37,519,073
2000	36,361,571	1999	35,487,659	1998	35,180,251	1997	35,060,229
1996	33,799,261	1995	32,583,807	1994	28,659,740	1993	27,597,646
1992	24,425,904	1991	23,537,778	1990	22,096,448	1989	22,094,256
1988	22,521,751	1987	22,555,699	1986	20,930,275	1985	19,390,904
1984	18,778,306	1983	18,289,912	1982	17,354,236	1981	16,036,802
1980	14,886,398	1979	11,691,934	1978	11,370,076	1977	9,793,485
1976	8,640,850	1975	8,256,406	1974	7,862,942	1973	7,333,149
1972	6,588,788	1971	5,650,979	1970	5,189,163	1969	4,820,892
1968	4,416,186	1967	4,064,283	1966	3,697,081	1965	3,382,682
1964	3,294,334	1963	3,113,961	1962	2,944,192	1961	2,873,384
1960	2,774,279	1959	2,713,341	1958	2,663,063	1957	2,567,962

**Curve: L1.5                      ASL: 26                      SSD: 1.79E+14                      IV: 122**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,782,532	2003	37,425,460	2002	36,563,287	2001	36,824,424
2000	35,662,988	1999	34,798,457	1998	34,511,100	1997	34,419,135
1996	33,194,020	1995	32,022,558	1994	28,152,977	1993	27,153,425
1992	24,048,541	1991	23,228,673	1990	21,852,444	1989	21,909,300
1988	22,386,125	1987	22,459,023	1986	20,864,483	1985	19,349,752
1984	18,754,088	1983	18,273,635	1982	17,338,045	1981	16,015,221
1980	14,855,789	1979	11,652,791	1978	11,323,073	1977	9,738,262
1976	8,579,215	1975	8,189,333	1974	7,790,898	1973	7,257,200
1972	6,510,801	1971	5,573,608	1970	5,114,746	1969	4,750,889
1968	4,351,778	1967	4,006,375	1966	3,646,232	1965	3,339,106
1964	3,257,590	1963	3,083,195	1962	2,918,452	1961	2,851,416
1960	2,754,706	1959	2,694,880	1958	2,644,563	1957	2,548,583

**Curve: S1                      ASL: 25                      SSD: 1.81E+14                      IV: 123**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,090,854	2003	37,772,169	2002	36,939,349	2001	37,219,486
2000	36,066,607	1999	35,201,221	1998	34,904,337	1997	34,795,432
1996	33,548,424	1995	32,352,177	1994	28,457,734	1993	27,434,119
1992	24,307,031	1991	23,467,266	1990	22,072,779	1989	22,112,177
1988	22,570,972	1987	22,625,190	1986	21,012,858	1985	19,482,253
1984	18,872,098	1983	18,378,294	1982	17,430,869	1981	16,098,136
1980	14,930,657	1979	11,722,368	1978	11,389,080	1977	9,801,532
1976	8,640,743	1975	8,249,149	1974	7,848,522	1973	7,312,248
1972	6,563,151	1971	5,623,385	1970	5,161,903	1969	4,795,199
1968	4,393,177	1967	4,044,970	1966	3,682,270	1965	3,372,920
1964	3,289,422	1963	3,113,303	1962	2,947,220	1961	2,879,224
1960	2,781,889	1959	2,721,672	1958	2,671,038	1957	2,574,689

**Curve: R2.5                      ASL: 24                      SSD: 1.84E+14                      IV: 124**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,766,899	2003	37,533,689	2002	36,782,145	2001	37,137,568
2000	36,052,425	1999	35,245,335	1998	34,998,061	1997	34,930,533
1996	33,714,836	1995	32,537,880	1994	28,647,144	1993	27,612,585
1992	24,461,864	1991	23,588,153	1990	22,153,989	1989	22,151,953
1988	22,572,396	1987	22,593,534	1986	20,952,595	1985	19,397,475
1984	18,769,309	1983	18,265,826	1982	17,316,614	1981	15,988,420
1980	14,830,564	1979	11,633,463	1978	11,312,908	1977	9,740,075
1976	8,593,764	1975	8,216,708	1974	7,830,463	1973	7,307,253
1972	6,568,716	1971	5,636,060	1970	5,178,445	1969	4,813,094
1968	4,410,221	1967	4,059,327	1966	3,692,537	1965	3,378,146
1964	3,289,402	1963	3,108,335	1962	2,937,846	1961	2,866,420
1960	2,766,948	1959	2,706,031	1958	2,656,182	1957	2,561,910



**Curve: S1.5 ASL: 24 SSD: 1.92E+14 IV: 127**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,478,800	2003	37,221,539	2002	36,449,521	2001	36,789,656
2000	35,695,597	1999	34,887,312	1998	34,645,235	1997	34,588,070
1996	33,388,688	1995	32,234,751	1994	28,376,050	1993	27,380,746
1992	24,274,203	1991	23,447,364	1990	22,059,030	1989	22,099,066
1988	22,554,453	1987	22,602,611	1986	20,982,621	1985	19,443,590
1984	18,825,179	1983	18,324,155	1982	17,371,123	1981	16,034,645
1980	14,865,265	1979	11,656,636	1978	11,324,289	1977	9,738,786
1976	8,580,948	1975	8,193,156	1974	7,797,122	1973	7,266,071
1972	6,522,560	1971	5,588,437	1970	5,132,403	1969	4,770,772
1968	4,373,291	1967	4,028,964	1966	3,669,391	1965	3,362,384
1964	3,280,487	1963	3,105,309	1962	2,939,615	1961	2,871,594
1960	2,773,980	1959	2,713,393	1958	2,662,450	1957	2,565,974

**Curve: L2 ASL: 25 SSD: 1.94E+14 IV: 127**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,532,373	2003	37,205,954	2002	36,374,756	2001	36,669,176
2000	35,544,542	1999	34,720,426	1998	34,474,998	1997	34,423,820
1996	33,236,664	1995	32,099,077	1994	28,259,690	1993	27,285,320
1992	24,199,580	1991	23,391,917	1990	22,020,407	1989	22,074,984
1988	22,543,244	1987	22,603,298	1986	20,994,194	1985	19,464,537
1984	18,853,278	1983	18,356,310	1982	17,403,837	1981	16,064,713
1980	14,890,303	1979	11,675,236	1978	11,335,728	1977	9,742,921
1976	8,578,172	1975	8,184,298	1974	7,783,378	1973	7,248,887
1972	6,503,493	1971	5,569,043	1970	5,114,094	1969	4,754,679
1968	4,360,191	1967	4,019,246	1966	3,663,074	1965	3,359,160
1964	3,279,795	1963	3,106,416	1962	2,941,649	1961	2,873,591
1960	2,775,013	1959	2,712,706	1958	2,659,565	1957	2,560,763

**Curve: R3 ASL: 24 SSD: 2.01E+14 IV: 130**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	37,151,790	2003	37,947,527	2002	37,220,609	2001	37,595,889
2000	36,525,771	1999	35,729,614	1998	35,488,410	1997	35,421,486
1996	34,201,770	1995	33,016,987	1994	29,116,671	1993	28,070,369
1992	24,905,158	1991	24,014,010	1990	22,558,370	1989	22,530,657
1988	22,920,675	1987	22,907,870	1986	21,232,405	1985	19,644,466
1984	18,985,215	1983	18,452,318	1982	17,476,286	1981	16,124,964
1980	14,947,994	1979	11,737,244	1978	11,407,387	1977	9,827,952
1976	8,677,917	1975	8,298,527	1974	7,910,309	1973	7,385,220
1972	6,644,808	1971	5,710,319	1970	5,250,521	1969	4,882,223
1968	4,475,796	1967	4,120,997	1966	3,750,155	1965	3,431,718
1964	3,338,849	1963	3,153,624	1962	2,979,158	1961	2,904,007
1960	2,801,159	1959	2,737,323	1958	2,685,017	1957	2,588,746

**Curve: S2 ASL: 24 SSD: 2.03E+14 IV: 130**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,844,703	2003	37,596,850	2002	36,834,027	2001	37,183,277
2000	36,098,227	1999	35,298,592	1998	35,064,500	1997	35,014,198
1996	33,819,708	1995	32,667,461	1994	28,805,839	1993	27,801,942
1992	24,680,768	1991	23,833,436	1990	22,419,664	1989	22,430,643
1988	22,854,981	1987	22,871,562	1986	21,220,513	1985	19,651,757
1984	19,005,813	1983	18,480,197	1982	17,505,942	1981	16,151,644
1980	14,967,582	1979	11,746,930	1978	11,404,832	1977	9,811,677
1976	8,647,987	1975	8,255,953	1974	7,857,135	1973	7,324,489
1972	6,580,202	1971	5,645,720	1970	5,189,423	1969	4,827,406
1968	4,429,232	1967	4,083,748	1966	3,722,455	1965	3,413,126
1964	3,328,350	1963	3,149,831	1962	2,980,449	1961	2,908,546
1960	2,807,027	1959	2,742,679	1958	2,688,277	1957	2,588,762

Curve: L3                      ASL: 24                      SSD: 2.15E+14                      IV: 134

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,433,954	2003	37,173,809	2002	36,422,677	2001	36,803,978
2000	35,765,619	1999	35,020,769	1998	34,843,428	1997	34,846,802
1996	33,699,429	1995	32,585,931	1994	28,754,530	1993	27,773,595
1992	24,670,135	1991	23,837,267	1990	22,436,048	1989	22,458,113
1988	22,891,696	1987	22,914,745	1986	21,266,340	1985	19,695,763
1984	19,043,536	1983	18,507,793	1982	17,520,587	1981	16,151,765
1980	14,952,822	1979	11,718,112	1978	11,363,898	1977	9,761,428
1976	8,591,841	1975	8,197,672	1974	7,800,493	1973	7,272,931
1972	6,536,536	1971	5,611,901	1970	5,166,432	1969	4,815,214
1968	4,426,851	1967	4,089,371	1966	3,733,674	1965	3,427,241
1964	3,342,725	1963	3,162,215	1962	2,989,217	1961	2,912,809
1960	2,806,595	1959	2,737,906	1958	2,679,854	1957	2,577,524

Curve: S3                      ASL: 23                      SSD: 2.24E+14                      IV: 137

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,043,412	2003	36,875,702	2002	36,206,634	2001	36,659,319
2000	35,682,466	1999	34,990,356	1998	34,857,885	1997	34,898,837
1996	33,781,613	1995	32,690,942	1994	28,874,811	1993	27,900,889
1992	24,796,104	1991	23,953,610	1990	22,535,139	1989	22,534,194
1988	22,941,103	1987	22,936,352	1986	21,261,616	1985	19,668,057
1984	18,997,379	1983	18,448,184	1982	17,452,485	1981	16,079,876
1980	14,881,549	1979	11,651,404	1978	11,305,053	1977	9,712,917
1976	8,555,162	1975	8,173,248	1974	7,787,685	1973	7,270,222
1972	6,541,783	1971	5,622,618	1970	5,180,050	1969	4,829,331
1968	4,439,470	1967	4,099,053	1966	3,739,638	1965	3,429,313
1964	3,341,200	1963	3,157,704	1962	2,982,438	1961	2,904,499
1960	2,797,474	1959	2,728,657	1958	2,671,195	1957	2,570,214

Curve: R4                      ASL: 23                      SSD: 2.25E+14                      IV: 137

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,230,809	2003	37,164,111	2002	36,574,151	2001	37,073,012
2000	36,109,144	1999	35,405,023	1998	35,247,564	1997	35,259,340
1996	34,114,740	1995	33,000,114	1994	29,161,340	1993	28,164,236
1992	25,035,415	1991	24,168,742	1990	22,726,071	1989	22,699,813
1988	23,079,730	1987	23,046,775	1986	21,343,734	1985	19,723,095
1984	19,027,795	1983	18,457,570	1982	17,445,617	1981	16,062,603
1980	14,860,266	1979	11,632,257	1978	11,293,210	1977	9,712,300
1976	8,568,668	1975	8,202,822	1974	7,833,917	1973	7,331,509
1972	6,613,971	1971	5,699,564	1970	5,254,997	1969	4,896,518
1968	4,495,441	1967	4,142,920	1966	3,772,233	1965	3,452,180
1964	3,356,019	1963	3,166,110	1962	2,985,933	1961	2,904,281
1960	2,794,421	1959	2,723,521	1958	2,665,047	1957	2,564,776

Curve: L4 ASL: 23 SSD: 2.35E+14 IV: 140

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	35,892,262	2003	36,752,459	2002	36,137,383	2001	36,661,072
2000	35,756,166	1999	35,119,221	1998	35,016,600	1997	35,063,086
1996	33,934,715	1995	32,827,436	1994	28,998,327	1993	28,019,049
1992	24,914,918	1991	24,074,717	1990	22,656,924	1989	22,654,016
1988	23,056,638	1987	23,045,565	1986	21,362,178	1985	19,757,375
1984	19,073,087	1983	18,508,456	1982	17,496,246	1981	16,107,080
1980	14,893,360	1979	11,650,200	1978	11,294,084	1977	9,695,710
1976	8,535,010	1975	8,152,957	1974	7,769,995	1973	7,258,289
1972	6,538,911	1971	5,631,345	1970	5,201,161	1969	4,861,146
1968	4,477,851	1967	4,138,661	1966	3,775,793	1965	3,459,238
1964	3,364,154	1963	3,174,360	1962	2,994,233	1961	2,913,019
1960	2,803,962	1959	2,733,654	1958	2,674,415	1957	2,570,697

Curve: S4 ASL: 23 SSD: 2.44E+14 IV: 143

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,148,190	2003	37,077,883	2002	36,519,491	2001	37,079,932
2000	36,194,801	1999	35,569,542	1998	35,475,740	1997	35,528,644
1996	34,401,204	1995	33,284,936	1994	29,434,398	1993	28,422,632
1992	25,279,974	1991	24,400,833	1990	22,946,766	1989	22,909,942
1988	23,279,474	1987	23,235,098	1986	21,518,404	1985	19,881,408
1984	19,167,288	1983	18,576,474	1982	17,542,877	1981	16,137,844
1980	14,913,960	1979	11,666,070	1978	11,310,188	1977	9,716,577
1976	8,564,673	1975	8,194,590	1974	7,825,018	1973	7,325,547
1972	6,614,751	1971	5,710,679	1970	5,278,875	1969	4,933,460
1968	4,543,095	1967	4,196,815	1966	3,827,290	1965	3,504,096
1964	3,401,912	1963	3,204,540	1962	3,016,629	1961	2,927,878
1960	2,812,149	1959	2,736,794	1958	2,674,934	1957	2,571,646

Curve: R5 ASL: 23 SSD: 2.51E+14 IV: 145

Year	Balance	Year	Balance	Year	Balance	Year	Balance
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2004	36,189,674	2003	37,250,513	2002	36,803,820	2001	37,431,868
2000	36,562,459	1999	35,911,684	1998	35,774,247	1997	35,785,221
1996	34,627,562	1995	33,493,858	1994	29,634,551	1993	28,618,041
1992	25,470,957	1991	24,584,679	1990	23,119,528	1989	23,067,922
1988	23,419,498	1987	23,354,418	1986	21,614,586	1985	19,952,885
1984	19,214,016	1983	18,600,368	1982	17,548,507	1981	16,131,451
1980	14,901,101	1979	11,650,382	1978	11,294,080	1977	9,702,093
1976	8,554,764	1975	8,194,367	1974	7,840,633	1973	7,360,814
1972	6,668,484	1971	5,776,896	1970	5,349,223	1969	4,999,618
1968	4,598,557	1967	4,238,269	1966	3,854,620	1965	3,519,754
1964	3,410,379	1963	3,210,475	1962	3,023,194	1961	2,935,638
1960	2,819,213	1959	2,740,169	1958	2,672,108	1957	2,562,436

**Curve: L5 ASL: 23 SSD: 2.51E+14 IV: 145**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	35,995,446	2003	36,969,283	2002	36,494,072	2001	37,145,515
2000	36,327,209	1999	35,727,592	1998	35,621,983	1997	35,642,628
1996	34,482,778	1995	33,347,999	1994	29,495,018	1993	28,488,821
1992	25,350,355	1991	24,470,908	1990	23,014,676	1989	22,976,567
1988	23,345,429	1987	23,298,877	1986	21,577,170	1985	19,932,593
1984	19,209,124	1983	18,607,611	1982	17,562,405	1981	16,146,062
1980	14,913,013	1979	11,659,373	1978	11,300,852	1977	9,705,841
1976	8,551,882	1975	8,178,992	1974	7,808,179	1973	7,312,189
1972	6,611,076	1971	5,721,081	1970	5,303,117	1969	4,966,347
1968	4,577,127	1967	4,225,925	1966	3,848,814	1965	3,518,071
1964	3,409,596	1963	3,207,742	1962	3,017,822	1961	2,929,756
1960	2,816,536	1959	2,743,427	1958	2,681,315	1957	2,574,199

**Curve: S5 ASL: 23 SSD: 2.59E+14 IV: 147**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	36,080,688	2003	37,156,390	2002	36,755,537	2001	37,451,531
2000	36,652,927	1999	36,053,776	1998	35,934,724	1997	35,933,286
1996	34,747,032	1995	33,584,988	1994	29,707,344	1993	28,683,457
1992	25,535,474	1991	24,650,725	1990	23,186,848	1989	23,134,784
1988	23,484,010	1987	23,414,926	1986	21,669,849	1985	20,001,800
1984	19,255,434	1983	18,633,231	1982	17,571,474	1981	16,143,740
1980	14,903,994	1979	11,647,091	1978	11,287,963	1977	9,695,499
1976	8,548,517	1975	8,187,558	1974	7,832,265	1973	7,352,239
1972	6,663,895	1971	5,781,040	1970	5,364,294	1969	5,024,191
1968	4,628,536	1967	4,268,504	1966	3,880,843	1965	3,539,551
1964	3,422,763	1963	3,216,061	1962	3,024,072	1961	2,934,794
1960	2,819,511	1959	2,743,058	1958	2,677,306	1957	2,567,957

**Curve: S6 ASL: 23 SSD: 2.68E+14 IV: 150**

Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	35,887,444	2003	37,130,175	2002	36,943,184	2001	37,804,162

2000	37,070,426	1999	36,433,378	1998	36,208,390	1997	36,091,037
1996	34,837,485	1995	33,674,320	1994	29,830,810	1993	28,832,608
1992	25,684,908	1991	24,787,119	1990	23,312,943	1989	23,255,455
1988	23,596,966	1987	23,513,888	1986	21,751,444	1985	20,066,080
1984	19,302,049	1983	18,659,871	1982	17,576,446	1981	16,129,812
1980	14,880,226	1979	11,625,300	1978	11,275,237	1977	9,689,454
1976	8,541,207	1975	8,173,871	1974	7,815,976	1973	7,346,282
1972	6,684,019	1971	5,833,883	1970	5,439,512	1969	5,100,533
1968	4,688,785	1967	4,307,712	1966	3,902,522	1965	3,548,235
1964	3,421,701	1963	3,209,060	1962	3,017,327	1961	2,935,004
1960	2,829,712	1959	2,759,525	1958	2,691,416	1957	2,570,698

Curve: SQ ASL: 23 SSD: 2.80E+14 IV: 153

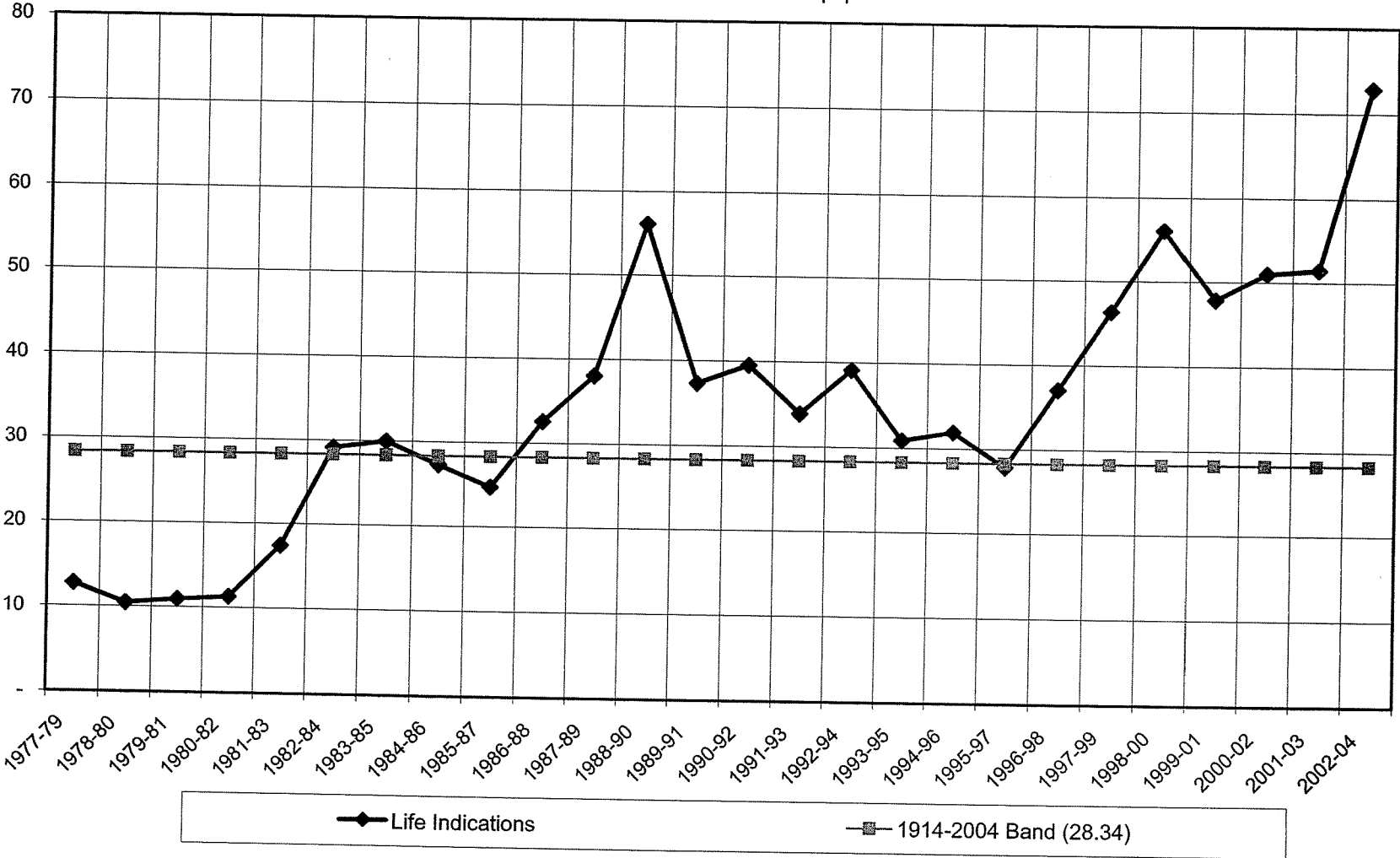
Year	Balance	Year	Balance	Year	Balance	Year	Balance
2004	35,535,615	2003	36,502,558	2002	38,026,316	2001	37,821,225
2000	37,472,562	1999	37,021,215	1998	36,406,525	1997	36,026,327
1996	34,680,545	1995	33,634,029	1994	30,114,075	1993	29,019,324
1992	25,757,996	1991	24,850,347	1990	23,365,190	1989	23,359,549
1988	23,751,164	1987	23,542,929	1986	21,789,805	1985	20,135,462
1984	19,328,809	1983	18,691,439	1982	17,584,902	1981	16,102,704
1980	14,848,294	1979	11,545,294	1978	11,305,267	1977	9,730,162
1976	8,532,738	1975	8,144,813	1974	7,817,392	1973	7,294,777
1972	6,625,561	1971	5,912,578	1970	5,587,050	1969	5,182,928
1968	4,707,742	1967	4,300,337	1966	3,936,510	1965	3,549,756
1964	3,417,332	1963	3,197,088	1962	3,009,266	1961	2,881,824
1960	2,887,793	1959	2,775,389	1958	2,718,808	1957	2,580,975

Kentucky Power Company  
Electric Plant In Service  
Geometric Mean Turnover Analysis

Account 362 - Station Equipment

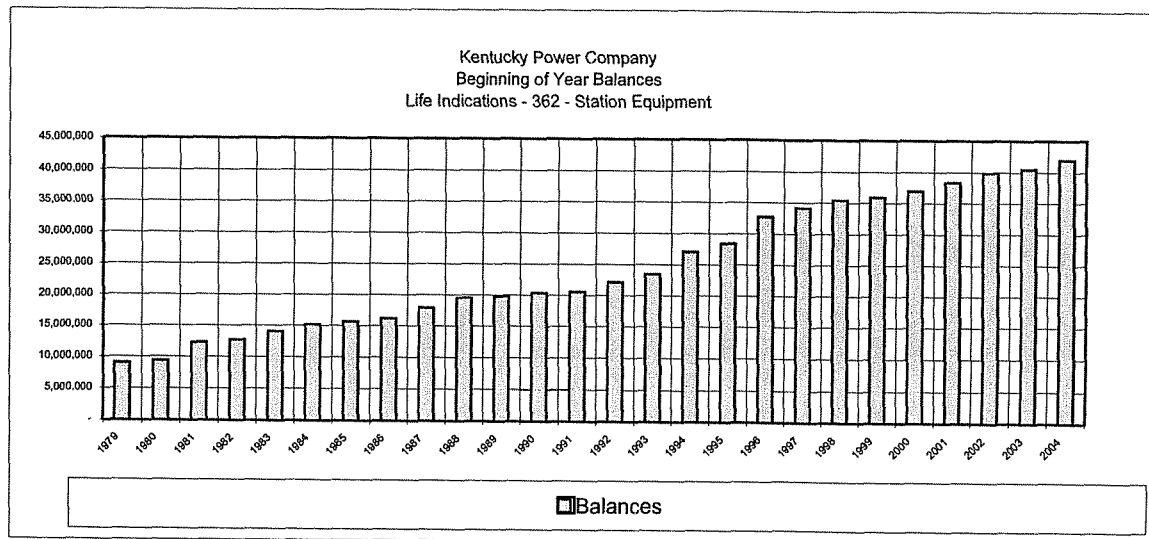
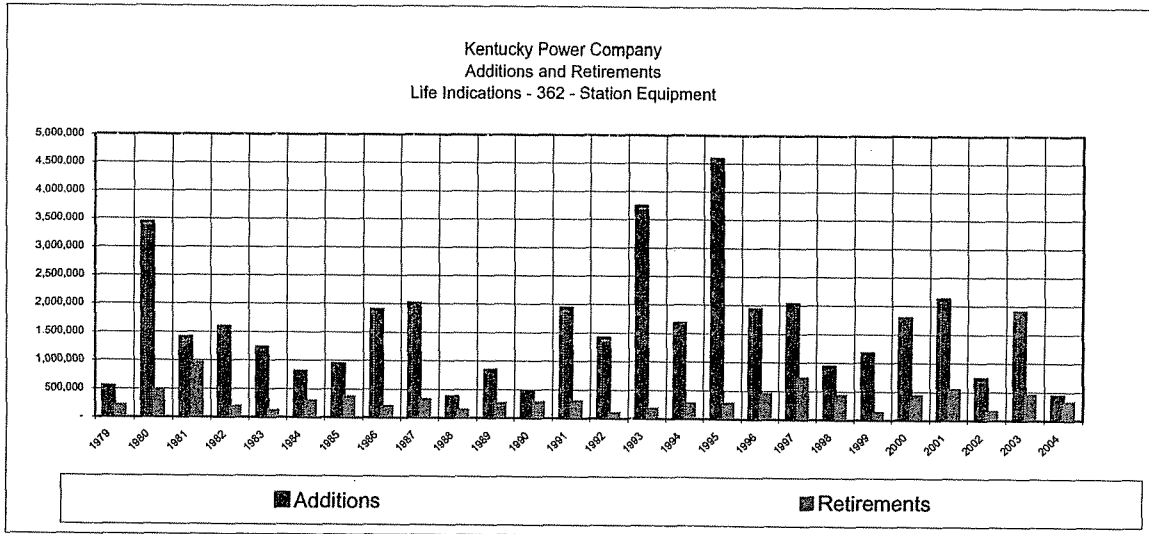
Year	BOY Plant Balance a	Avg. Plant Balance $\frac{b+(a+i)}{2}$	Single Year Additions c	Single Year Retirements d	Addition Ratio $\frac{c}{a+b}$	Retirement Ratio $\frac{d}{b}$	Geometric Mean Life Estimate $g = \frac{1}{1/q(t^*)}$	3 Year Band			Addition Ratio $\frac{l}{j}$	Retirement Ratio $\frac{m}{k}$	Geometric Mean Life Estimate $\frac{1}{1/q(t^*)}$				
								3 Year Band h	Avg. Plant Balance i	Additions j				Retirements k			
1914	-	538	1,078	-	2.00000	-	-	-	-	-	-	-	-	-	-	-	-
1915	1,078	2,140	2,128	-	0.99439	-	-	-	-	-	-	-	-	-	-	-	-
1916	3,204	6,003	5,587	-	0.93244	-	-	1914-16	8,581	8,801	-	1.01388	-	-	-	-	-
1917	8,801	9,218	834	-	0.09048	-	-	1915-17	17,381	8,559	-	0.49302	-	-	-	-	-
1918	9,635	15,534	11,798	-	0.75950	-	-	1916-18	30,755	18,229	-	0.59273	-	-	-	-	-
1919	21,433	23,959	5,052	-	0.21086	-	-	1917-19	48,711	17,684	-	0.36304	-	-	-	-	-
1920	28,485	31,547	10,124	-	0.32092	-	-	1918-20	71,040	26,974	-	0.37970	-	-	-	-	-
1921	36,609	39,609	-	-	-	-	-	1919-21	92,115	15,176	-	0.16475	-	-	-	-	-
1922	36,609	44,130	15,053	-	0.34106	-	-	1920-22	112,292	25,177	-	0.22421	-	-	-	-	-
1923	51,662	53,534	3,744	-	0.06994	-	-	1921-23	134,279	18,797	-	0.13999	-	-	-	-	-
1924	55,406	59,190	7,588	-	0.12786	-	-	1922-24	156,860	26,365	-	0.16808	-	-	-	-	-
1925	62,974	62,974	-	-	-	-	-	1923-25	175,698	11,312	-	0.06438	-	-	-	-	-
1926	62,974	63,885	1,821	-	0.02850	-	-	1924-26	186,049	9,389	-	0.05047	-	-	-	-	-
1927	64,795	70,470	11,349	-	0.16105	-	-	1925-27	197,328	13,170	-	0.06674	-	-	-	-	-
1928	78,144	80,845	9,402	-	0.11630	-	-	1926-28	215,199	22,572	-	0.10489	-	-	-	-	-
1929	85,548	114,911	57,830	-	0.50588	-	-	1927-29	265,826	78,081	-	0.29599	-	-	-	-	-
1930	143,476	244,310	201,886	-	0.82550	-	-	1928-30	439,675	269,018	-	0.61188	-	-	-	-	-
1931	345,162	378,033	65,742	-	0.17391	-	-	1929-31	738,863	325,358	-	0.44154	-	-	-	-	-
1932	410,904	410,904	-	-	-	-	-	1930-32	1,033,256	267,428	-	0.25882	-	-	-	-	-
1933	410,904	413,466	5,124	-	0.01239	-	-	1931-33	1,202,403	70,866	-	0.05894	-	-	-	-	-
1934	416,028	416,028	-	-	-	-	-	1932-34	1,240,398	5,124	-	0.00413	-	-	-	-	-
1935	416,028	417,914	3,772	-	0.00903	-	-	1933-35	1,247,408	8,896	-	0.00713	-	-	-	-	-
1936	419,609	441,546	43,491	-	0.09950	-	-	1934-36	1,275,488	47,263	-	0.03705	-	-	-	-	-
1937	483,291	484,101	1,619	-	0.00349	-	-	1935-37	1,323,850	46,882	-	0.03693	-	-	-	-	-
1938	464,810	545,717	161,613	-	0.29615	-	-	1936-38	1,451,383	206,723	-	0.14243	-	-	-	-	-
1939	626,523	628,261	3,476	-	0.00553	-	-	1937-39	1,638,078	166,708	-	0.10177	-	-	-	-	-
1940	629,999	652,938	45,878	-	0.07026	-	-	1938-40	1,828,916	210,987	-	0.11548	-	-	-	-	-
1941	675,877	690,013	28,271	-	0.04097	-	-	1939-41	1,971,212	77,625	-	0.03938	-	-	-	-	-
1942	704,148	718,326	28,356	-	0.03948	-	-	1940-42	2,061,277	102,305	-	0.04973	-	-	-	-	-
1943	732,834	774,911	57,830	-	0.07850	-	-	1941-43	2,145,273	91,488	-	0.04269	-	-	-	-	-
1944	737,365	780,494	86,257	-	0.11052	-	-	1942-44	2,233,754	119,474	-	0.05349	-	-	-	-	-
1945	823,622	840,394	33,543	-	0.03991	-	-	1943-45	2,355,822	124,661	-	0.05292	-	-	-	-	-
1946	857,165	869,790	25,250	-	0.02903	-	-	1944-46	2,490,677	145,050	-	0.05824	-	-	-	-	-
1947	882,415	915,946	67,062	-	0.07322	-	-	1945-47	2,626,130	125,855	-	0.04792	-	-	-	-	-
1948	949,477	1,072,952	246,949	-	0.23016	-	-	1946-48	2,858,688	339,281	-	0.11888	-	-	-	-	-
1949	1,196,428	1,368,836	344,420	-	0.25191	-	-	1947-49	3,357,734	658,831	-	0.19621	-	-	-	-	-
1950	1,541,248	1,841,105	205,711	-	0.04260	-	-	1948-50	4,085,692	797,486	-	0.19609	-	-	-	-	-
1951	1,746,963	1,821,095	148,284	-	0.08141	-	-	1949-51	4,834,036	698,801	-	0.14456	-	-	-	-	-
1952	1,895,227	2,004,031	217,608	-	0.10859	-	-	1950-52	5,469,231	571,589	-	0.10451	-	-	-	-	-
1953	2,112,835	2,192,260	158,849	-	0.07246	-	-	1951-53	6,017,386	524,721	-	0.08720	-	-	-	-	-
1954	2,271,884	2,307,845	130,250	57,929	0.05644	0.02510	26.57	1952-54	6,504,135	506,707	57,929	0.07791	0.00891	37.98	-	-	-
1955	2,344,005	2,410,857	192,165	58,462	0.07971	0.02425	22.75	1953-55	6,910,961	481,264	116,391	0.06964	0.01684	29.20	-	-	-
1956	2,477,708	2,585,892	287,400	71,433	0.11115	0.02763	18.06	1954-56	7,304,393	609,815	187,824	0.08349	0.02571	21.58	-	-	-
1957	2,693,878	2,771,128	115,504	80,288	0.04260	0.02961	28.15	1955-57	7,707,831	595,099	210,183	0.07720	0.02727	21.79	-	-	-
1958	2,728,891	2,778,578	141,605	46,232	0.05100	0.01665	34.32	1956-58	8,073,552	544,509	197,953	0.06744	0.02452	24.59	-	-	-
1959	2,824,264	2,827,547	100,072	93,506	0.03539	0.03307	29.23	1957-59	8,315,408	357,181	220,028	0.04295	0.02646	29.66	-	-	-
1960	2,830,830	2,855,946	114,023	63,792	0.03992	0.02234	33.49	1958-60	8,460,070	355,700	203,530	0.04204	0.02406	31.44	-	-	-
1961	2,881,061	2,810,666	155,644	296,434	0.05538	0.10547	13.09	1959-61	8,494,159	369,739	453,732	0.04353	0.05342	20.74	-	-	-
1962	2,740,271	2,779,160	130,918	53,140	0.04711	0.01912	33.22	1960-62	8,445,772	400,585	413,366	0.04743	0.04894	20.76	-	-	-
1963	2,819,948	2,872,875	233,700	124,049	0.08135	0.04318	16.87	1961-63	8,462,701	520,262	473,623	0.06148	0.05597	17.05	-	-	-
1964	2,927,700	2,978,902	249,515	150,311	0.08348	0.05049	15.40	1962-64	8,628,637	613,133	327,500	0.07106	0.03795	19.26	-	-	-
1965	3,025,904	3,034,048	160,780	144,493	0.05299	0.04762	19.91	1963-65	8,883,724	842,995	418,853	0.07238	0.04715	17.12	-	-	-
1966	3,042,191	3,175,787	391,615	124,423	0.12331	0.03918	14.39	1964-66	9,186,637	800,910	419,227	0.08718	0.04563	15.85	-	-	-
1967	3,309,383	3,435,511	504,084	197,828	0.13101	0.05758	11.51	1965-67	9,645,346	1,002,479	466,744	0.10393	0.04839	14.10	-	-	-
1968	3,561,639	3,632,651	400,948	298,924	0.12138	0.08229	10.01	1966-68	10,243,949	1,282,647	621,175	0.12521	0.06064	11.48	-	-	-
1969	3,703,863	3,801,963	500,436	303,857	0.13163	0.07992	9.75	1967-69	10,870,115	1,391,488	800,609	0.12801	0.07365	10.30	-	-	-
1970	3,900,242	4,052,206	471,184	167,259	0.11829	0.04128	14.43	1968-70	11,498,810	1,412,598	770,037	0.12297	0.06704	11.01	-	-	-
1971	4,204,170	4,385,862	572,477	189,493	0.13024	0.04311	13.35	1969-71	12,249,821	1,544,097	860,606	0.12605	0.05393	12.13	-	-	-
1972	4,587,154	5,028,265	1,057,803	179,582	0.21046	0.03573	11.53	1970-72	13,474,133	2,101,464	538,331	0.15596	0.03980	12.69	-	-	-
1973	5,465,375	5,685,631	874,933	434,421	0.15388	0.07641	9.22	1971-73	15,107,558	2,505,213	803,496	0.16583	0.05319	10.65	-	-	-
1974	5,905,887	6,194,261	670,879	94,132	0.10931	0.01520	24.65	1972-74	16,906,156	2,603,615	708,135	0.15400	0.04189	12.45	-	-	-
1975	6,482,634	6,592,463	545,029	325,372	0.08267	0.04936	15.65	1973-75	18,472,354	2,090,841	853,925	0.11319	0.04623	13.82	-	-	-
1976	6,702,291	6,734,546	482,265	482,265	0.08119	0.07181	13.11	1974-76	19,521,269	1,762,682	901,769	0.09030	0.04619	15.48	-	-	-
1977	6,766,800	7,304,537	1,327,674	252,200	0.18176	0.03453	12.62	1975-77	20,831,545	2,419,477	1,059,837	0.11727	0.05137	12.88	-	-	-
1978	7,842,274	8,425,665	1,767,270	600,488	0.20975	0.07127	8.19	1976-78	22,464,748	3,041,718	1,334,953	0.16211	0.05942	10.19	-	-	-
1979	9,009,056	9,171,264	527,427	203,011	0.05751	0.02214	28.03	1977-79	24,901,466	3,622,371	1,055,699	0.14547	0.04240	12.73	-	-	-
1980	9,333,472	10,797,894	3,416,504	489,660	0.31659	0.04535	8.35	1978-80	28,394,823	5,713,201	1,293,159	0.20121	0.04554	10.45	-	-	-
1981	12,282,316	12,479,754	1,396,015	961,140	0.11186	0.07702	10.77	1979-81	32,448,912	5,341,946	1,653,811	0.16483	0.05097	10.92	-	-	-
1982	12,697,191	13,390,284	1,582,270	196,085	0.11817	0.01484	24.04	1980-82	36,687,931	6,396,789	1,648,885	0.17445	0.04491	11.30	-	-	-

Kentucky Power Company  
Geometric Mean 3 Year Rolling Band Analysis  
Life Indications - 362 - Station Equipment



**Kentucky Power Company  
Electric Plant In Service  
Additions, Retirements and Balances**

**Account 362 - Station Equipment**





**Kentucky Power Company**

**362 - Station Equipment**

**Calculation of Remaining Life  
Based Upon Broad Group/Vintage Group Procedures  
Related to Original Cost as of December 31, 2004**

Survivor Curve .. IOWA: 31 R1						
<u>Year</u> (1)	<u>Age</u> (2)	<u>Surviving Investment</u> (3)	<u>BG/VG Average</u>		<u>ASL Weights</u> (6)=(3)/(4)	<u>RL Weights</u> (7)=(6)*(5)
			<u>Service Life</u> (4)	<u>Remaining Life</u> (5)		
2004	0.5	429,072	31.00	30.63	13,841	423,940
2003	1.5	1,894,746	31.00	29.89	61,121	1,827,087
2002	2.5	728,048	31.00	29.16	23,485	684,933
2001	3.5	2,115,933	31.00	28.44	68,256	1,941,364
2000	4.5	1,776,897	31.00	27.73	57,319	1,589,311
1999	5.5	1,154,441	31.00	27.02	37,240	1,006,173
1998	6.5	903,329	31.00	26.32	29,140	766,833
1997	7.5	1,721,502	31.00	25.62	55,532	1,422,673
1996	8.5	1,914,440	31.00	24.93	61,756	1,539,404
1995	9.5	4,528,130	31.00	24.24	146,069	3,540,756
1994	10.5	1,404,566	31.00	23.56	45,309	1,067,394
1993	11.5	3,416,492	31.00	22.88	110,209	2,521,737
1992	12.5	1,048,094	31.00	22.21	33,809	750,904
1991	13.5	1,609,389	31.00	21.54	51,916	1,118,490
1990	14.5	407,766	31.00	20.89	13,154	274,720
1989	15.5	540,569	31.00	20.23	17,438	352,824
1988	16.5	324,381	31.00	19.59	10,464	204,984
1987	17.5	1,802,903	31.00	18.95	58,158	1,102,337
1986	18.5	1,579,253	31.00	18.33	50,944	933,674
1985	19.5	723,178	31.00	17.71	23,328	413,155
1984	20.5	665,308	31.00	17.10	21,462	367,064
1983	21.5	736,688	31.00	16.51	23,764	392,266
1982	22.5	1,482,602	31.00	15.92	47,826	761,411
1981	23.5	892,404	31.00	15.35	28,787	441,744
1980	24.5	2,567,304	31.00	14.78	82,816	1,224,091
1979	25.5	495,787	31.00	14.23	15,993	227,548
1978	26.5	1,148,752	31.00	13.69	37,057	507,162
1977	27.5	841,945	31.00	13.16	27,160	357,302
1976	28.5	154,083	31.00	12.64	4,970	62,808
1975	29.5	370,883	31.00	12.13	11,964	145,105
1974	30.5	338,222	31.00	11.63	10,910	126,906
1973	31.5	503,705	31.00	11.15	16,249	181,104
1972	32.5	768,573	31.00	10.67	24,793	264,557
1971	33.5	298,370	31.00	10.21	9,625	98,235
1970	34.5	207,636	31.00	9.75	6,698	65,322

1969	35.5	34,268	31.00	9.31	1,105	10,290
1968	36.5	141,216	31.00	8.88	4,555	40,431
1967	37.5	118,552	31.00	8.45	3,824	32,322
1966	38.5	57,193	31.00	8.04	1,845	14,829
1965	39.5	1,206	31.00	7.63	39	297
1964	40.5	22,891	31.00	7.24	738	5,344
1963	41.5	72,112	31.00	6.85	2,326	15,936
1962	42.5	10,264	31.00	6.47	331	2,143
1961	43.5	28,679	31.00	6.10	925	5,647
1960	44.5	15,707	31.00	5.74	507	2,910
1959	45.5	0	31.00	5.39	0	0
1958	46.5	0	31.00	5.05	0	0
1957	47.5	20,361	31.00	4.71	657	3,092
		42,017,840			1,355,414	28,838,557
AVERAGE SERVICE LIFE						31.00
AVERAGE REMAINING LIFE						21.28