

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**APPLICATION OF SOUTHWESTERN § BEFORE THE STATE OFFICE
ELECTRIC POWER COMPANY FOR § OF
AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS**

DIRECT TESTIMONY AND EXHIBITS OF

DAVID J. GARRETT

EXHIBIT DJG-10:

ACCOUNT 364 CURVE FITTING

Account 364 Curve Fitting

Exhibit DJG-10

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO S0.5-55	CARD L0-62	SWEPCO SSD	CARD SSD
0 0	517,445,703	100 00%	100.00%	100.00%	0 0000	0 0000
0.5	494,503,155	99.91%	99.99%	99.90%	0.0000	0.0000
1.5	469,546,071	99.54%	99.94%	99.58%	0 0000	0 0000
2 5	448,938,860	99.09%	99.84%	99.17%	0 0001	0.0000
3.5	431,853,708	98 59%	99.71%	98.68%	0.0001	0 0000
4 5	419,157,690	97.99%	99.55%	98.14%	0.0002	0.0000
5.5	405,948,642	97.49%	99.34%	97 54%	0 0003	0.0000
6.5	394,244,458	96.99%	99.10%	96.90%	0.0004	0.0000
7 5	378,344,896	96 44%	98.83%	96.22%	0.0006	0.0000
8.5	367,105,170	95.79%	98.51%	95.51%	0.0007	0.0000
9 5	327,538,705	95 17%	98.16%	94.76%	0.0009	0 0000
10.5	316,144,902	94.52%	97.78%	93.99%	0.0011	0.0000
11.5	298,974,532	93.85%	97.36%	93.19%	0 0012	0.0000
12 5	278,806,790	93.23%	96.90%	92.37%	0 0013	0.0001
13.5	262,560,553	92.54%	96.40%	91.52%	0 0015	0 0001
14 5	249,721,796	91.72%	95.87%	90.66%	0.0017	0.0001
15.5	238,704,506	90.92%	95.30%	89.78%	0 0019	0.0001
16 5	224,791,204	90.06%	94.70%	88.88%	0.0022	0 0001
17.5	216,490,194	89.15%	94.06%	87.96%	0.0024	0 0001
18.5	204,032,245	88 19%	93 38%	87.04%	0.0027	0 0001
19.5	191,118,613	87.16%	92.67%	86.10%	0.0030	0.0001
20.5	180,433,994	86.25%	91 92%	85.14%	0 0032	0 0001
21.5	168,471,069	85.20%	91.14%	84.18%	0.0035	0.0001
22 5	156,502,251	84.33%	90 32%	83.21%	0.0036	0 0001
23.5	143,414,794	83.49%	89.47%	82.23%	0.0036	0.0002
24.5	130,022,885	82 63%	88.58%	81.25%	0 0035	0.0002
25.5	122,021,230	81.80%	87.67%	80.25%	0.0034	0.0002
26.5	105,982,715	80.99%	86 72%	79 26%	0.0033	0.0003
27.5	99,765,705	80.20%	85.74%	78.26%	0.0031	0.0004
28 5	93,343,024	79 36%	84.72%	77 25%	0 0029	0.0004
29 5	86,348,157	78.58%	83.68%	76.25%	0.0026	0.0005
30 5	80,628,599	77 84%	82.61%	75.24%	0.0023	0.0007
31 5	74,682,733	76.73%	81 51%	74 23%	0 0023	0.0006
32 5	68,265,038	74.61%	80.38%	73.23%	0 0033	0.0002
33 5	62,016,691	72 70%	79.22%	72 22%	0 0043	0.0000
34 5	57,146,132	71.45%	78 04%	71.22%	0.0043	0.0000
35.5	51,584,823	69 96%	76.84%	70.21%	0.0047	0.0000
36.5	45,389,273	67.90%	75.61%	69.21%	0 0059	0.0002
37.5	41,417,427	66.74%	74.36%	68.21%	0.0058	0.0002
38 5	37,487,857	65 85%	73.08%	67 21%	0 0052	0.0002
39.5	34,293,179	64.95%	71.79%	66.21%	0.0047	0.0002
40.5	30,995,176	64.07%	70.48%	65.21%	0.0041	0.0001
41.5	28,555,039	63.13%	69.15%	64.22%	0.0036	0.0001
42.5	26,635,766	62.23%	67.80%	63.23%	0.0031	0 0001
43.5	24,853,498	61 37%	66.43%	62.24%	0.0026	0 0001
44.5	22,318,296	60 45%	65.05%	61.26%	0.0021	0.0001
45.5	20,949,145	59.45%	63.66%	60 28%	0 0018	0 0001
46.5	19,825,302	58.41%	62.26%	59.30%	0.0015	0.0001
47.5	18,417,135	57 57%	60.84%	58 33%	0.0011	0.0001
48.5	17,287,951	56.78%	59.42%	57.36%	0.0007	0.0000
49.5	15,992,441	56 00%	57.98%	56 40%	0.0004	0.0000
50.5	14,550,759	55.10%	56.54%	55.44%	0.0002	0.0000
51.5	13,383,939	54 23%	55.09%	54 48%	0.0001	0.0000
52.5	12,093,060	53.41%	53 64%	53.53%	0 0000	0 0000
53.5	10,998,619	52.70%	52.19%	52 59%	0.0000	0.0000
54 5	10,012,220	51.93%	50.73%	51.65%	0.0001	0.0000
55.5	9,023,365	51.22%	49.27%	50.72%	0.0004	0.0000
56.5	8,215,733	50.44%	47.82%	49.79%	0.0007	0.0000
57 5	7,257,789	49.69%	46.36%	48.87%	0 0011	0.0001

Account 364 Curve Fitting

Exhibit DJG-10

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO S0.5-55	CARD L0-62	SWEPCO SSD	CARD SSD
58.5	6,490,535	48.96%	44.91%	47.96%	0.0016	0.0001
59.5	5,943,228	48.23%	43.46%	47.05%	0.0023	0.0001
60.5	5,301,627	47.48%	42.02%	46.15%	0.0030	0.0002
61.5	4,825,307	46.64%	40.59%	45.26%	0.0037	0.0002
62.5	4,332,115	45.72%	39.16%	44.37%	0.0043	0.0002
63.5	3,840,270	44.93%	37.75%	43.49%	0.0052	0.0002
64.5	3,151,697	44.07%	36.34%	42.62%	0.0060	0.0002
65.5	2,716,784	43.26%	34.95%	41.76%	0.0069	0.0002
66.5	2,044,627	42.02%	33.57%	40.90%	0.0071	0.0001
67.5	1,756,943	41.33%	32.21%	40.06%	0.0083	0.0002
68.5	1,300,858	39.62%	30.86%	39.22%	0.0077	0.0000
69.5	1,158,942	38.47%	29.53%	38.38%	0.0080	0.0000
70.5	961,628	37.81%	28.21%	37.56%	0.0092	0.0000
71.5	802,498	36.50%	26.92%	36.75%	0.0092	0.0000
72.5	683,465	33.91%	25.65%	35.94%	0.0068	0.0004
73.5	626,393	33.53%	24.39%	35.15%	0.0083	0.0003
74.5	589,184	32.32%	23.17%	34.36%	0.0084	0.0004
75.5	560,040	32.03%	21.96%	33.58%	0.0101	0.0002
76.5	536,082	31.56%	20.78%	32.81%	0.0116	0.0002
77.5	514,360	31.21%	19.62%	32.05%	0.0134	0.0001
78.5	482,513	30.72%	18.50%	31.30%	0.0149	0.0000
79.5	464,389	30.50%	17.40%	30.56%	0.0172	0.0000
80.5	323,429	25.68%	16.32%	29.83%	0.0088	0.0017
81.5	264,271	20.99%	15.28%	29.11%	0.0033	0.0066
82.5	230,103	18.27%	14.27%	28.40%	0.0016	0.0103
83.5	203,232	16.14%	13.29%	27.70%	0.0008	0.0134
84.5	194,702	15.46%	12.34%	27.00%	0.0010	0.0133
85.5	178,817	14.90%	11.42%	26.32%	0.0012	0.0130
86.5	171,432	14.29%	10.53%	25.65%	0.0014	0.0129
87.5	163,706	13.64%	9.68%	24.99%	0.0016	0.0129
88.5	0	13.00%	8.86%	24.34%	0.0017	0.0129
89.5	0	13.00%	8.08%	23.70%	0.0024	0.0114
90.5	0	13.00%	7.33%	23.06%	0.0032	0.0101
91.5	0	13.00%	6.62%	22.44%	0.0041	0.0089
92.5	0	13.00%	5.94%	21.83%	0.0050	0.0078
93.5			5.30%	21.23%		
Sum of Squared Differences				[8]	0.3309	0.1454
Up to 1% of Beginning Exposures				[9]	0.1285	0.0072

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve

[4] The Company's selected Iowa curve to be fitted to the OLT

[5] My selected Iowa curve to be fitted to the OLT

[6] = {[4] - [3]}^2 This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = {[5] - [3]}^2 This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences The smallest SSD represents the best mathematical fit.

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EXHIBIT DJG-11:

ACCOUNT 366 CURVE FITTING

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Exhibit DJG-11

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO R4-70	CARD R4-80	SWEPCO SSD	CARD SSD
0.0	71,509,240	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	67,784,478	99.99%	100.00%	100.00%	0.0000	0.0000
1.5	65,172,136	99.94%	100.00%	100.00%	0.0000	0.0000
2.5	62,030,209	99.92%	100.00%	100.00%	0.0000	0.0000
3.5	58,657,418	99.89%	99.99%	100.00%	0.0000	0.0000
4.5	55,996,857	99.80%	99.99%	99.99%	0.0000	0.0000
5.5	53,776,945	99.77%	99.99%	99.99%	0.0000	0.0000
6.5	51,685,575	99.74%	99.98%	99.99%	0.0000	0.0000
7.5	49,446,467	99.64%	99.98%	99.98%	0.0000	0.0000
8.5	47,066,808	99.58%	99.98%	99.98%	0.0000	0.0000
9.5	45,054,821	99.47%	99.97%	99.98%	0.0000	0.0000
10.5	42,846,983	99.33%	99.96%	99.97%	0.0000	0.0000
11.5	39,197,674	99.27%	99.95%	99.96%	0.0000	0.0000
12.5	33,466,808	99.23%	99.94%	99.96%	0.0001	0.0001
13.5	29,619,215	99.19%	99.93%	99.95%	0.0001	0.0001
14.5	27,064,409	99.15%	99.91%	99.94%	0.0001	0.0001
15.5	25,804,502	99.10%	99.89%	99.93%	0.0001	0.0001
16.5	22,437,720	99.04%	99.87%	99.91%	0.0001	0.0001
17.5	21,586,335	98.91%	99.85%	99.90%	0.0001	0.0001
18.5	20,751,879	98.85%	99.82%	99.88%	0.0001	0.0001
19.5	19,506,406	98.78%	99.79%	99.86%	0.0001	0.0001
20.5	18,628,933	98.71%	99.75%	99.84%	0.0001	0.0001
21.5	17,123,480	98.54%	99.71%	99.81%	0.0001	0.0002
22.5	15,591,484	98.44%	99.66%	99.78%	0.0001	0.0002
23.5	13,701,831	98.36%	99.60%	99.75%	0.0002	0.0002
24.5	13,498,526	98.25%	99.53%	99.71%	0.0002	0.0002
25.5	11,299,753	98.15%	99.46%	99.67%	0.0002	0.0002
26.5	8,933,569	98.03%	99.37%	99.62%	0.0002	0.0003
27.5	8,256,403	97.89%	99.28%	99.56%	0.0002	0.0003
28.5	7,638,596	97.73%	99.17%	99.50%	0.0002	0.0003
29.5	7,106,573	97.57%	99.04%	99.43%	0.0002	0.0003
30.5	6,678,276	97.39%	98.90%	99.36%	0.0002	0.0004
31.5	6,224,712	97.22%	98.75%	99.27%	0.0002	0.0004
32.5	5,799,171	97.02%	98.57%	99.17%	0.0002	0.0005
33.5	5,186,620	96.84%	98.38%	99.07%	0.0002	0.0005
34.5	4,700,788	96.68%	98.16%	98.95%	0.0002	0.0005
35.5	4,212,203	96.48%	97.92%	98.82%	0.0002	0.0005
36.5	3,651,336	96.28%	97.65%	98.67%	0.0002	0.0006
37.5	3,307,762	96.12%	97.35%	98.51%	0.0002	0.0006
38.5	3,055,920	95.95%	97.02%	98.34%	0.0001	0.0006
39.5	2,807,017	95.77%	96.66%	98.14%	0.0001	0.0006
40.5	2,528,457	95.60%	96.26%	97.93%	0.0000	0.0005
41.5	2,331,811	95.40%	95.83%	97.70%	0.0000	0.0005
42.5	2,116,704	95.19%	95.35%	97.45%	0.0000	0.0005
43.5	1,894,501	95.02%	94.83%	97.17%	0.0000	0.0005
44.5	1,650,330	94.86%	94.26%	96.87%	0.0000	0.0004
45.5	1,515,576	94.73%	93.65%	96.54%	0.0001	0.0003
46.5	1,356,354	94.53%	92.98%	96.18%	0.0002	0.0003
47.5	1,186,863	94.02%	92.26%	95.80%	0.0003	0.0003
48.5	1,002,831	93.88%	91.48%	95.38%	0.0006	0.0002
49.5	941,977	93.73%	90.65%	94.93%	0.0010	0.0001
50.5	874,250	93.49%	89.75%	94.45%	0.0014	0.0001
51.5	843,269	93.40%	88.78%	93.92%	0.0021	0.0000
52.5	814,533	93.28%	87.76%	93.36%	0.0030	0.0000
53.5	798,883	93.22%	86.66%	92.76%	0.0043	0.0000
54.5	796,098	93.13%	85.49%	92.12%	0.0058	0.0001
55.5	755,359	93.04%	84.25%	91.43%	0.0077	0.0003
56.5	734,473	92.94%	82.94%	90.70%	0.0100	0.0005

Account 366 Curve Fitting

Exhibit DJG-11

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO R4-70	CARD R4-80	SWEPCO SSD	CARD SSD
57.5	710,119	92.91%	81.55%	89.92%	0.0129	0.0009
58.5	706,517	92.90%	80.09%	89.09%	0.0164	0.0014
59.5	667,191	92.89%	78.55%	88.21%	0.0206	0.0022
60.5	644,151	92.88%	76.92%	87.28%	0.0255	0.0031
61.5	605,151	92.85%	75.21%	86.30%	0.0311	0.0043
62.5	593,022	92.83%	73.37%	85.26%	0.0379	0.0057
63.5	542,710	92.80%	71.42%	84.17%	0.0457	0.0075
64.5	444,544	92.79%	69.34%	83.02%	0.0550	0.0095
65.5	425,570	92.79%	67.11%	81.82%	0.0659	0.0120
66.5	227,312	92.79%	64.75%	80.56%	0.0786	0.0150
67.5	208,036	92.73%	62.23%	79.23%	0.0930	0.0182
68.5	192,963	92.68%	59.59%	77.85%	0.1095	0.0220
69.5	164,791	92.34%	56.81%	76.40%	0.1263	0.0254
70.5	145,569	92.29%	53.92%	74.87%	0.1472	0.0303
71.5	145,207	92.10%	50.94%	73.25%	0.1694	0.0355
72.5	144,759	91.82%	47.89%	71.55%	0.1930	0.0411
73.5	144,286	91.52%	44.79%	69.74%	0.2184	0.0474
74.5	144,057	91.37%	41.67%	67.83%	0.2470	0.0554
75.5	144,048	91.37%	38.57%	65.80%	0.2788	0.0654
76.5	143,951	91.36%	35.49%	63.66%	0.3121	0.0767
77.5	143,941	91.35%	32.48%	61.42%	0.3466	0.0896
78.5	143,923	91.34%	29.55%	59.07%	0.3818	0.1041
79.5	140,682	91.28%	26.72%	56.63%	0.4168	0.1201
80.5	140,676	91.28%	24.01%	54.10%	0.4526	0.1382
81.5	89,572	91.27%	21.44%	51.50%	0.4876	0.1581
82.5	6,838	91.21%	19.01%	48.85%	0.5213	0.1795
83.5	6,783	91.02%	16.74%	46.15%	0.5517	0.2014
84.5	6,761	90.74%	14.63%	43.43%	0.5792	0.2238
85.5	6,753	90.63%	12.68%	40.70%	0.6076	0.2493
86.5	5,126	68.79%	10.90%	37.99%	0.3351	0.0949
87.5	5,015	68.65%	9.27%	35.30%	0.3526	0.1112
88.5	4,977	68.14%	7.81%	32.67%	0.3639	0.1258
89.5	3,762	67.90%	6.50%	30.09%	0.3770	0.1430
90.5	3,762	67.90%	5.34%	27.59%	0.3914	0.1625
91.5			4.32%	25.18%		
Sum of Squared Differences				[8]	8.4906	2.5936
Up to 1% of Beginning Exposures				[9]	0.0411	0.0129

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] = $([4] - [3])^2$. This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = $([5] - [3])^2$. This is the squared difference between each point on my curve and the observed survivor curve

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit

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Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO R3-46	CARD R1-62	SWEPCO SSD	CARD SSD
0.0	256,749,321	100.00%	100 00%	100.00%	0.0000	0.0000
0.5	244,066,267	99 91%	99.98%	99.79%	0.0000	0.0000
1.5	234,922,316	99 51%	99.94%	99.37%	0.0000	0.0000
2.5	226,157,592	99.03%	99.90%	98.94%	0 0001	0.0000
3.5	214,775,058	98.36%	99.84%	98.50%	0.0002	0.0000
4.5	204,192,635	98.08%	99.78%	98.04%	0.0003	0.0000
5.5	196,133,155	97.63%	99.70%	97.58%	0.0004	0.0000
6.5	187,733,635	97.10%	99.61%	97.11%	0.0006	0.0000
7.5	177,576,776	96.45%	99.51%	96.63%	0.0009	0.0000
8.5	168,771,048	95.84%	99.39%	96.15%	0.0013	0 0000
9.5	157,833,939	95.24%	99.26%	95.65%	0.0016	0.0000
10 5	148,510,474	94 42%	99.10%	95.14%	0.0022	0.0001
11.5	139,066,645	93.99%	98.92%	94.62%	0.0024	0.0000
12.5	130,146,859	93.65%	98.72%	94.10%	0.0026	0.0000
13 5	120,505,813	93.39%	98.49%	93.56%	0.0026	0.0000
14.5	113,410,310	93 14%	98.23%	93.02%	0.0026	0.0000
15.5	108,779,656	92.85%	97.94%	92.46%	0.0026	0.0000
16.5	104,212,781	92.50%	97.62%	91.90%	0.0026	0.0000
17.5	100,452,337	92.01%	97.25%	91.33%	0.0028	0.0000
18.5	91,409,825	91.44%	96.85%	90.75%	0.0029	0.0000
19.5	84,175,268	90.91%	96.41%	90.16%	0.0030	0.0001
20.5	76,226,844	90.28%	95.92%	89 56%	0.0032	0 0001
21.5	67,215,845	89.46%	95.38%	88.96%	0.0035	0.0000
22 5	58,649,848	88 63%	94.78%	88.34%	0.0038	0.0000
23.5	48,495,108	87.82%	94.13%	87 72%	0.0040	0.0000
24.5	46,941,981	87 07%	93 42%	87.08%	0.0040	0 0000
25 5	43,166,766	86 22%	92.65%	86 43%	0.0041	0.0000
26.5	38,864,923	85.34%	91.81%	85.77%	0.0042	0.0000
27.5	35,995,408	84.41%	90.89%	85.10%	0.0042	0.0000
28.5	33,208,559	83 62%	89.90%	84.42%	0.0039	0.0001
29 5	31,029,053	82.78%	88.83%	83.73%	0.0037	0.0001
30.5	28,970,044	82.17%	87.67%	83.02%	0.0030	0.0001
31.5	26,291,416	81.59%	86.42%	82.30%	0.0023	0.0001
32.5	24,696,065	81.00%	85.08%	81.57%	0.0017	0.0000
33 5	21,195,083	80.38%	83.63%	80.83%	0.0011	0.0000
34.5	18,479,772	79.86%	82.07%	80.07%	0.0005	0.0000
35.5	15,887,127	79 31%	80.39%	79 29%	0 0001	0 0000
36.5	14,064,298	78.78%	78.59%	78.50%	0.0000	0.0000
37 5	12,406,688	78.22%	76.66%	77.69%	0.0002	0.0000
38.5	10,984,710	77.58%	74.60%	76.87%	0.0009	0.0000
39.5	9,248,281	76.72%	72.41%	76.04%	0.0019	0.0000
40.5	7,732,794	75.97%	70.07%	75.18%	0.0035	0.0001
41.5	6,578,166	74.85%	67.59%	74.31%	0.0053	0.0000
42.5	5,483,587	73.77%	64.96%	73.43%	0.0078	0.0000
43.5	4,519,991	72.57%	62.20%	72.53%	0.0108	0.0000
44.5	3,847,517	71.37%	59.31%	71.61%	0.0146	0.0000
45 5	3,156,778	69 97%	56.29%	70.67%	0.0187	0.0000
46 5	2,477,364	68.47%	53.17%	69.72%	0.0234	0.0002
47.5	1,575,676	66.58%	49.94%	68.75%	0.0277	0.0005
48.5	1,073,671	64.66%	46.65%	67.76%	0.0324	0.0010
49.5	874,839	62.26%	43.31%	66.75%	0.0359	0.0020
50.5	502,440	58.12%	39.95%	65.73%	0.0330	0.0058
51.5	371,837	53.67%	36.60%	64 70%	0.0291	0.0122
52.5	284,986	46 84%	33.29%	63 64%	0.0184	0.0282
53.5	214,672	38.91%	30.05%	62.57%	0.0079	0.0560
54.5	164,154	29.88%	26.91%	61.49%	0.0009	0.0999
55.5	125,745	23.12%	23.90%	60.39%	0.0001	0 1389
56.5	81,680	15.80%	21.04%	59.27%	0 0027	0 1890

Account 367 Curve Fitting

Exhibit DJG-12

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO R3-46	CARD R1-62	SWEPCO SSD	CARD SSD
57.5	63,257	12.71%	18.35%	58.14%	0.0032	0.2064
58.5	47,057	9.47%	15.86%	57.00%	0.0041	0.2259
59.5	38,951	7.85%	13.57%	55.84%	0.0033	0.2303
60.5	34,035	6.86%	11.50%	54.67%	0.0021	0.2286
61.5	32,641	6.58%	9.63%	53.49%	0.0009	0.2201
62.5	31,115	6.48%	7.96%	52.30%	0.0002	0.2099
63.5	27,998	6.31%	6.49%	51.09%	0.0000	0.2005
64.5	27,600	6.22%	5.22%	49.88%	0.0001	0.1906
65.5	25,829	5.82%	4.12%	48.65%	0.0003	0.1835
66.5	24,155	5.44%	3.18%	47.42%	0.0005	0.1762
67.5	18,070	4.07%	2.39%	46.18%	0.0003	0.1773
68.5	11,531	2.60%	1.74%	44.94%	0.0001	0.1792
69.5	5,508	1.26%	1.22%	43.68%	0.0000	0.1800
70.5	2,641	0.68%	0.82%	42.43%	0.0000	0.1743
71.5	1,899	0.49%	0.51%	41.17%	0.0000	0.1655
72.5	1,769	0.46%	0.29%	39.90%	0.0000	0.1556
73.5	1,543	0.40%	0.15%	38.64%	0.0000	0.1462
74.5	1,516	0.39%	0.06%	37.38%	0.0000	0.1368
75.5	1,508	0.39%	0.02%	36.11%	0.0000	0.1276
76.5	1,508	0.39%	0.00%	34.85%	0.0000	0.1188
77.5	1,508	0.39%	0.00%	33.59%	0.0000	0.1103
78.5	1,508	0.39%	0.00%	32.34%	0.0000	0.1021
79.5	1,508	0.39%	0.00%	31.10%	0.0000	0.0943
80.5	1,508	0.39%	0.00%	29.86%	0.0000	0.0868
81.5	1,497	0.39%	0.00%	28.63%	0.0000	0.0797
82.5	1,487	0.38%	0.00%	27.41%	0.0000	0.0730
83.5	1,337	0.38%	0.00%	26.20%	0.0000	0.0667
84.5	1,331	0.38%	0.00%	25.00%	0.0000	0.0606
85.5	1,326	0.38%	0.00%	23.82%	0.0000	0.0549
86.5	1,137	0.37%	0.00%	22.66%	0.0000	0.0497
87.5	1,072	0.35%	0.00%	21.51%	0.0000	0.0448
88.5	1,014	0.33%	0.00%	20.38%	0.0000	0.0402
89.5	0	0.31%	0.00%	19.27%	0.0000	0.0359
90.5			0.00%	18.18%		
Sum of Squared Differences				[8]	0.3694	5.0672
Up to 1% of Beginning Exposures				[9]	0.1426	0.0011

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] = ([4] - [3])² This is the squared difference between each point on the Company's curve and the observed survivor curve

[7] = ([5] - [3])². This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**APPLICATION OF SOUTHWESTERN § BEFORE THE STATE OFFICE
ELECTRIC POWER COMPANY FOR § OF
AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS**

DIRECT TESTIMONY AND EXHIBITS OF

DAVID J. GARRETT

EXHIBIT DJG-13:

ACCOUNT 369 CURVE FITTING

Account 369 Curve Fitting

Exhibit DJG-13

Page 1 of 2

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO R3-59	CARD R1.5-76	SWEPCO SSD	CARD SSD
0.0	97,909,865	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	93,562,119	99.74%	99.99%	99.88%	0.0000	0.0000
1.5	89,270,237	98.89%	99.96%	99.65%	0.0001	0.0001
2.5	85,217,652	98.23%	99.92%	99.41%	0.0003	0.0001
3.5	81,638,717	97.78%	99.89%	99.16%	0.0004	0.0002
4.5	78,452,865	97.55%	99.84%	98.90%	0.0005	0.0002
5.5	75,528,584	97.40%	99.79%	98.64%	0.0006	0.0002
6.5	69,357,682	97.25%	99.74%	98.38%	0.0006	0.0001
7.5	64,862,833	97.06%	99.67%	98.10%	0.0007	0.0001
8.5	60,949,834	96.78%	99.60%	97.82%	0.0008	0.0001
9.5	49,589,640	96.56%	99.52%	97.53%	0.0009	0.0001
10.5	45,695,441	96.32%	99.43%	97.24%	0.0010	0.0001
11.5	42,330,132	96.07%	99.33%	96.94%	0.0011	0.0001
12.5	39,034,714	95.77%	99.22%	96.63%	0.0012	0.0001
13.5	35,152,516	95.50%	99.09%	96.32%	0.0013	0.0001
14.5	31,998,415	95.16%	98.96%	95.99%	0.0014	0.0001
15.5	29,447,770	94.75%	98.80%	95.66%	0.0016	0.0001
16.5	27,781,000	94.41%	98.64%	95.32%	0.0018	0.0001
17.5	27,646,634	93.78%	98.45%	94.98%	0.0022	0.0001
18.5	26,710,710	93.33%	98.25%	94.62%	0.0024	0.0002
19.5	26,307,437	92.98%	98.03%	94.26%	0.0026	0.0002
20.5	25,050,856	92.60%	97.79%	93.89%	0.0027	0.0002
21.5	24,157,280	92.22%	97.52%	93.51%	0.0028	0.0002
22.5	23,094,631	91.75%	97.24%	93.13%	0.0030	0.0002
23.5	21,506,947	91.35%	96.93%	92.73%	0.0031	0.0002
24.5	21,107,423	90.69%	96.59%	92.33%	0.0035	0.0003
25.5	20,584,205	90.25%	96.23%	91.92%	0.0036	0.0003
26.5	18,948,894	89.82%	95.83%	91.50%	0.0036	0.0003
27.5	18,387,661	89.42%	95.41%	91.06%	0.0036	0.0003
28.5	16,565,465	89.01%	94.95%	90.62%	0.0035	0.0003
29.5	16,097,410	88.64%	94.47%	90.17%	0.0034	0.0002
30.5	15,444,628	88.32%	93.94%	89.71%	0.0032	0.0002
31.5	14,873,672	87.94%	93.38%	89.24%	0.0030	0.0002
32.5	14,352,565	87.59%	92.78%	88.76%	0.0027	0.0001
33.5	13,720,345	87.19%	92.14%	88.26%	0.0024	0.0001
34.5	13,045,925	86.79%	91.45%	87.76%	0.0022	0.0001
35.5	12,105,752	86.42%	90.72%	87.24%	0.0019	0.0001
36.5	11,308,292	86.07%	89.95%	86.71%	0.0015	0.0000
37.5	10,703,414	85.70%	89.12%	86.17%	0.0012	0.0000
38.5	9,982,799	85.29%	88.24%	85.62%	0.0009	0.0000
39.5	9,417,712	84.83%	87.31%	85.05%	0.0006	0.0000
40.5	8,834,714	84.26%	86.32%	84.47%	0.0004	0.0000
41.5	8,215,146	83.69%	85.28%	83.88%	0.0003	0.0000
42.5	7,659,312	83.09%	84.17%	83.27%	0.0001	0.0000
43.5	7,153,599	82.56%	82.99%	82.65%	0.0000	0.0000
44.5	6,689,684	82.10%	81.75%	82.01%	0.0000	0.0000
45.5	6,281,696	81.75%	80.43%	81.36%	0.0002	0.0000
46.5	5,886,994	81.34%	79.04%	80.69%	0.0005	0.0000
47.5	5,470,815	80.85%	77.58%	80.01%	0.0011	0.0001
48.5	5,038,059	80.25%	76.03%	79.31%	0.0018	0.0001
49.5	4,752,849	79.80%	74.41%	78.60%	0.0029	0.0001
50.5	4,463,086	79.30%	72.69%	77.87%	0.0044	0.0002
51.5	4,148,786	78.75%	70.90%	77.12%	0.0062	0.0003

Account 369 Curve Fitting

Exhibit DJG-13

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO R3-59	CARD R1.5-76	SWEPCO SSD	CARD SSD
52.5	3,848,855	78.14%	69.02%	76.36%	0.0083	0.0003
53.5	3,605,792	77.54%	67.04%	75.58%	0.0110	0.0004
54.5	3,354,526	76.90%	64.99%	74.78%	0.0142	0.0004
55.5	3,062,998	76.14%	62.85%	73.97%	0.0177	0.0005
56.5	2,795,050	75.25%	60.62%	73.13%	0.0214	0.0004
57.5	2,540,288	74.34%	58.32%	72.28%	0.0257	0.0004
58.5	2,304,006	73.39%	55.95%	71.42%	0.0304	0.0004
59.5	2,081,083	72.37%	53.51%	70.53%	0.0356	0.0003
60.5	1,840,589	71.17%	51.02%	69.63%	0.0406	0.0002
61.5	1,637,726	69.82%	48.47%	68.71%	0.0456	0.0001
62.5	1,452,501	68.19%	45.89%	67.77%	0.0497	0.0000
63.5	1,222,434	62.23%	43.29%	66.81%	0.0359	0.0021
64.5	989,546	54.23%	40.67%	65.84%	0.0184	0.0135
65.5	734,015	48.80%	38.05%	64.85%	0.0116	0.0258
66.5	464,595	41.14%	35.45%	63.84%	0.0032	0.0515
67.5	332,440	35.43%	32.87%	62.82%	0.0007	0.0750
68.5	248,260	33.15%	30.35%	61.77%	0.0008	0.0819
69.5	228,453	30.50%	27.88%	60.71%	0.0007	0.0913
70.5	217,261	29.01%	25.49%	59.64%	0.0012	0.0938
71.5	204,772	27.34%	23.18%	58.55%	0.0017	0.0974
72.5	178,803	23.87%	20.96%	57.44%	0.0008	0.1127
73.5	162,282	21.67%	18.86%	56.32%	0.0008	0.1201
74.5	69,225	9.24%	16.87%	55.19%	0.0058	0.2111
75.5	62,129	8.30%	15.00%	54.04%	0.0045	0.2092
76.5	60,098	8.02%	13.26%	52.88%	0.0027	0.2012
77.5	58,922	7.87%	11.65%	51.71%	0.0014	0.1922
78.5	53,722	7.17%	10.15%	50.52%	0.0009	0.1879
79.5	15,339	2.05%	8.80%	49.33%	0.0045	0.2235
80.5	12,687	1.69%	7.56%	48.13%	0.0034	0.2156
81.5			6.44%	46.92%		
Sum of Squared Differences				[8]	0.4909	2.2157
Up to 1% of Beginning Exposures				[9]	0.4459	0.0254

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] = $([4] - [3])^2$ This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = $([5] - [3])^2$ This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**APPLICATION OF SOUTHWESTERN § BEFORE THE STATE OFFICE
ELECTRIC POWER COMPANY FOR § OF
AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS**

DIRECT TESTIMONY AND EXHIBITS OF

DAVID J. GARRETT

EXHIBIT DJG-14:

ACCOUNT 370 CURVE FITTING

Account 370 Curve Fitting

Exhibit DJG-14

Page 1 of 2

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO L0-15	CARD O2-21	SWEPCO SSD	CARD SSD
0.0	178,192,712	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	174,169,698	98.86%	99.36%	98.73%	0.0000	0.0000
1.5	167,032,629	96.19%	97.10%	96.05%	0.0001	0.0000
2.5	158,820,639	92.48%	94.12%	93.38%	0.0003	0.0001
3.5	141,599,174	89.81%	90.69%	90.70%	0.0001	0.0001
4.5	127,911,293	87.46%	86.94%	88.02%	0.0000	0.0000
5.5	118,236,631	84.96%	82.98%	85.34%	0.0004	0.0000
6.5	97,907,689	81.11%	78.89%	82.66%	0.0005	0.0002
7.5	92,509,221	78.99%	74.74%	79.98%	0.0018	0.0001
8.5	88,483,452	76.45%	70.58%	77.31%	0.0034	0.0001
9.5	80,153,277	73.84%	66.44%	74.63%	0.0055	0.0001
10.5	76,017,397	71.27%	62.34%	71.95%	0.0080	0.0000
11.5	71,583,130	68.73%	58.30%	69.27%	0.0109	0.0000
12.5	66,343,902	65.37%	54.33%	66.59%	0.0122	0.0001
13.5	62,803,845	62.87%	50.44%	63.91%	0.0154	0.0001
14.5	58,359,783	58.94%	46.66%	61.24%	0.0151	0.0005
15.5	55,407,242	56.67%	43.00%	58.56%	0.0187	0.0004
16.5	52,451,004	53.89%	39.47%	55.88%	0.0208	0.0004
17.5	49,123,756	51.55%	36.08%	53.21%	0.0239	0.0003
18.5	47,159,428	49.18%	32.84%	50.55%	0.0267	0.0002
19.5	44,374,834	47.05%	29.76%	47.89%	0.0299	0.0001
20.5	41,608,582	44.84%	26.84%	45.26%	0.0324	0.0000
21.5	39,326,054	42.73%	24.10%	42.64%	0.0347	0.0000
22.5	36,058,028	39.99%	21.53%	40.07%	0.0341	0.0000
23.5	34,306,209	38.06%	19.14%	37.54%	0.0358	0.0000
24.5	31,453,778	35.80%	16.92%	35.08%	0.0356	0.0001
25.5	29,270,985	33.96%	14.88%	32.70%	0.0364	0.0002
26.5	26,968,184	31.94%	13.01%	30.42%	0.0358	0.0002
27.5	25,050,527	30.02%	11.30%	28.25%	0.0350	0.0003
28.5	23,054,349	28.06%	9.76%	26.21%	0.0335	0.0003
29.5	21,002,385	26.07%	8.37%	24.31%	0.0313	0.0003
30.5	18,906,569	23.89%	7.13%	22.54%	0.0281	0.0002
31.5	17,004,195	21.83%	6.03%	20.90%	0.0250	0.0001
32.5	15,295,595	20.07%	5.06%	19.40%	0.0225	0.0000
33.5	13,702,764	18.37%	4.22%	18.02%	0.0200	0.0000
34.5	12,404,146	16.95%	3.48%	16.75%	0.0181	0.0000
35.5	11,256,584	15.64%	2.85%	15.59%	0.0164	0.0000
36.5	10,193,368	14.39%	2.31%	14.53%	0.0146	0.0000
37.5	9,311,525	13.31%	1.85%	13.54%	0.0131	0.0000
38.5	8,543,222	12.35%	1.47%	12.64%	0.0118	0.0000
39.5	7,826,929	11.45%	1.15%	11.80%	0.0106	0.0000
40.5	7,119,500	10.54%	0.89%	11.02%	0.0093	0.0000
41.5	6,475,682	9.68%	0.68%	10.29%	0.0081	0.0000
42.5	5,875,591	8.87%	0.52%	9.61%	0.0070	0.0001
43.5	5,352,617	8.18%	0.38%	8.96%	0.0061	0.0001
44.5	4,868,579	7.51%	0.28%	8.36%	0.0052	0.0001
45.5	4,398,136	6.87%	0.20%	7.79%	0.0044	0.0001
46.5	3,794,633	6.01%	0.14%	7.25%	0.0034	0.0002

Account 370 Curve Fitting

Exhibit DJG-14

Page 2 of 2

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	SWEPCO L0-15	CARD O2-21	SWEPCO SSD	CARD SSD
47.5	3,369,278	5.42%	0.10%	6.73%	0.0028	0.0002
48.5	2,984,827	4.88%	0.07%	6.23%	0.0023	0.0002
49.5	2,582,275	4.27%	0.04%	5.76%	0.0018	0.0002
50.5	2,224,130	3.73%	0.03%	5.31%	0.0014	0.0002
51.5	1,880,497	3.19%	0.02%	4.87%	0.0010	0.0003
52.5	1,569,374	2.71%	0.01%	4.44%	0.0007	0.0003
53.5	1,292,979	2.27%	0.01%	4.03%	0.0005	0.0003
54.5	1,047,038	1.89%	0.00%	3.64%	0.0004	0.0003
55.5	835,122	1.55%	0.00%	3.25%	0.0002	0.0003
56.5	596,512	1.14%	0.00%	2.87%	0.0001	0.0003
57.5	435,700	0.84%	0.00%	2.50%	0.0001	0.0003
58.5	306,086	0.61%	0.00%	2.14%	0.0000	0.0002
59.5	240,354	0.50%	0.00%	1.79%	0.0000	0.0002
60.5	135,845	0.35%	0.00%	1.45%	0.0000	0.0001
61.5	90,310	0.23%	0.00%	1.11%	0.0000	0.0001
62.5	49,877	0.13%	0.00%	0.77%	0.0000	0.0000
63.5	30,437	0.08%	0.00%	0.45%	0.0000	0.0000
64.5	15,969	0.04%	0.00%	0.12%	0.0000	0.0000
65.5	7,811	0.02%	0.00%	0.00%	0.0000	0.0000
66.5	7,328	0.02%	0.00%	0.00%	0.0000	0.0000
67.5	7,239	0.02%	0.00%	0.00%	0.0000	0.0000
68.5	7,209	0.02%	0.00%	0.00%	0.0000	0.0000
69.5			0.00%	0.00%		
Sum of Squared Differences				[8]	0.7737	0.0087
Up to 1% of Beginning Exposures				[9]	0.7716	0.0062

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] = ([4] - [3])². This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] = ([5] - [3])². This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.

**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**APPLICATION OF SOUTHWESTERN § BEFORE THE STATE OFFICE
ELECTRIC POWER COMPANY FOR § OF
AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS**

DIRECT TESTIMONY AND EXHIBITS OF

DAVID J. GARRETT

EXHIBIT DJG-15:

OBSERVED LIFE TABLES AND IOWA CURVE CHARTS

SWEPCO
Electric Division
353.00 Station Equipment
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1921 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
0 0 - 0.5	\$732,782,475.67	\$400,532.04	0.00055	100.00
0 5 - 1 5	\$678,613,099.26	\$633,528.26	0.00093	99.95
1 5 - 2.5	\$639,081,024.89	\$4,117,460.89	0.00644	99.85
2.5 - 3.5	\$596,551,660.86	\$1,822,026.30	0.00305	99.21
3.5 - 4.5	\$514,363,676.87	\$653,792.87	0.00127	98.91
4.5 - 5.5	\$480,971,030.03	\$713,521.67	0.00148	98.78
5.5 - 6.5	\$442,639,867.00	\$1,200,638.23	0.00271	98.63
6.5 - 7.5	\$420,728,630.42	\$352,834.49	0.00084	98.37
7.5 - 8.5	\$385,157,691.29	\$629,053.03	0.00163	98.28
8.5 - 9.5	\$361,848,098.48	\$1,506,867.55	0.00416	98.12
9.5 - 10.5	\$329,984,210.42	\$673,503.09	0.00204	97.71
10.5 - 11.5	\$302,912,818.96	\$425,647.21	0.00141	97.51
11.5 - 12.5	\$288,084,396.38	\$641,598.64	0.00223	97.38
12.5 - 13.5	\$261,164,854.36	\$588,042.88	0.00225	97.16
13.5 - 14.5	\$254,270,735.98	\$714,190.59	0.00281	96.94
14.5 - 15.5	\$248,497,218.21	\$371,015.72	0.00149	96.67
15.5 - 16.5	\$245,146,716.62	\$1,107,586.03	0.00452	96.53
16.5 - 17.5	\$229,013,645.22	\$604,082.73	0.00264	96.09
17.5 - 18.5	\$212,981,014.07	\$1,369,087.22	0.00643	95.84
18.5 - 19.5	\$204,404,144.33	\$839,183.39	0.00411	95.22
19.5 - 20.5	\$199,925,953.21	\$856,089.48	0.00428	94.83
20.5 - 21.5	\$188,698,028.35	\$565,653.98	0.00300	94.42
21.5 - 22.5	\$185,606,311.01	\$10,845,647.00	0.05843	94.14
22.5 - 23.5	\$166,931,939.07	\$570,559.32	0.00342	88.64
23.5 - 24.5	\$157,733,139.37	\$402,723.47	0.00255	88.34
24.5 - 25.5	\$139,730,199.86	\$545,319.01	0.00390	88.11
25.5 - 26.5	\$131,767,847.71	\$704,963.48	0.00535	87.77
26.5 - 27.5	\$128,569,674.46	\$225,110.11	0.00175	87.30
27.5 - 28.5	\$126,118,209.41	\$1,006,555.70	0.00798	87.14
28.5 - 29.5	\$122,726,491.62	\$459,242.00	0.00374	86.45
29.5 - 30.5	\$119,369,005.82	\$669,254.64	0.00561	86.13
30.5 - 31.5	\$116,953,672.27	\$669,326.85	0.00572	85.64
31.5 - 32.5	\$115,434,727.39	\$984,682.39	0.00853	85.15
32.5 - 33.5	\$114,138,418.25	\$1,496,557.41	0.01311	84.43
33.5 - 34.5	\$106,986,043.11	\$825,065.46	0.00771	83.32
34.5 - 35.5	\$99,021,452.62	\$987,556.22	0.00997	82.68
35.5 - 36.5	\$88,361,859.53	\$792,788.20	0.00897	81.85

SWEPCO
Electric Division
353.00 Station Equipment
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1921 TO 2019

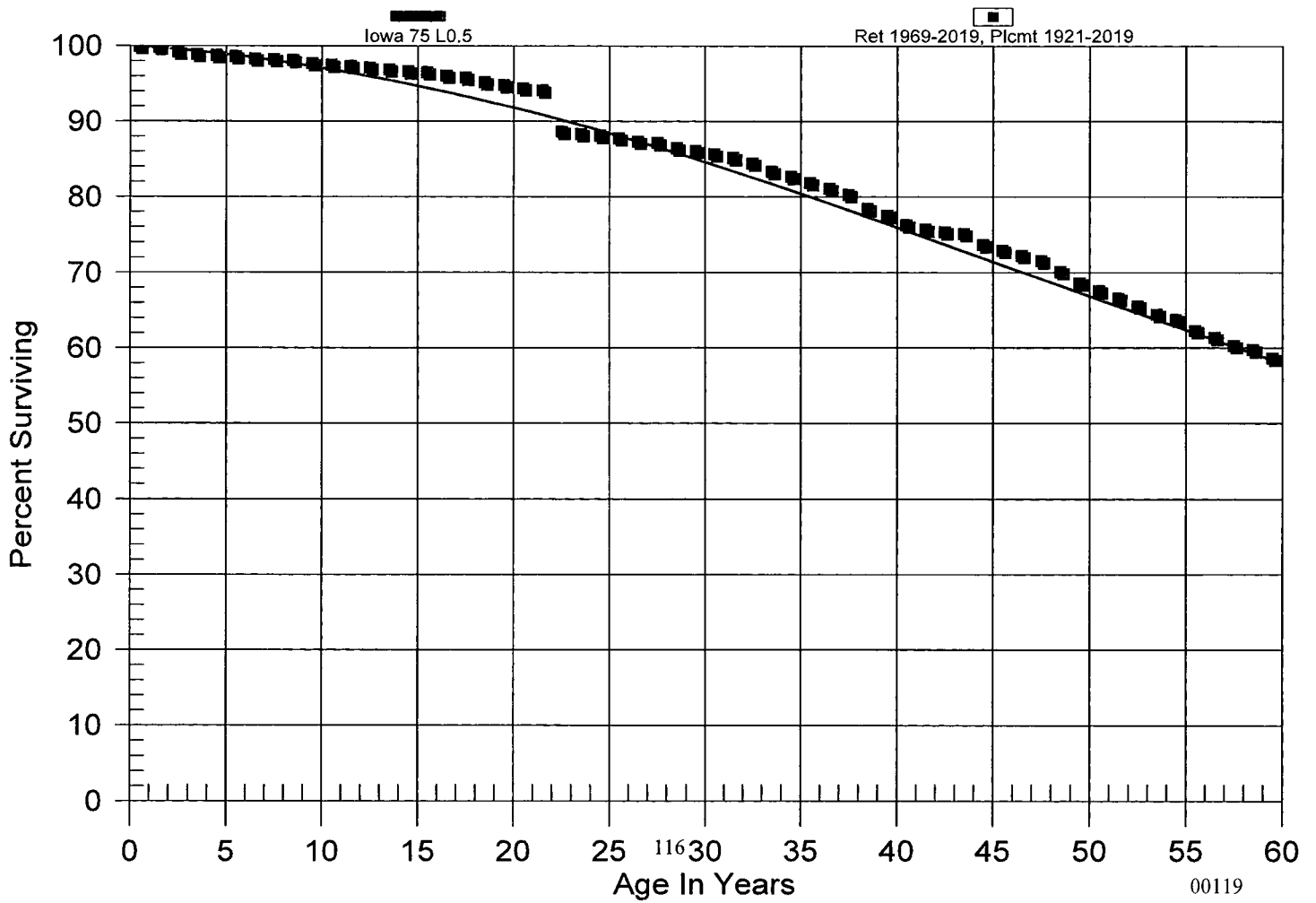
<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
36.5 - 37.5	\$84,734,829.44	\$864,527.65	0.01020	81.12
37.5 - 38.5	\$71,877,809.39	\$1,647,764.82	0.02292	80.29
38.5 - 39.5	\$62,693,238.94	\$701,928.97	0.01120	78.45
39.5 - 40.5	\$58,675,924.46	\$952,220.37	0.01623	77.57
40.5 - 41.5	\$54,691,520.23	\$387,940.90	0.00709	76.31
41.5 - 42.5	\$38,821,529.28	\$178,647.55	0.00460	75.77
42.5 - 43.5	\$37,540,916.17	\$116,030.38	0.00309	75.42
43.5 - 44.5	\$35,319,190.10	\$698,910.48	0.01979	75.19
44.5 - 45.5	\$32,230,732.63	\$326,013.71	0.01011	73.70
45.5 - 46.5	\$30,873,076.15	\$288,810.80	0.00935	72.96
46.5 - 47.5	\$28,635,643.66	\$275,878.27	0.00963	72.27
47.5 - 48.5	\$23,745,453.58	\$473,246.55	0.01993	71.58
48.5 - 49.5	\$22,513,143.97	\$481,972.78	0.02141	70.15
49.5 - 50.5	\$18,478,417.13	\$281,669.75	0.01524	68.65
50.5 - 51.5	\$17,431,260.63	\$253,215.47	0.01453	67.60
51.5 - 52.5	\$15,915,620.08	\$245,752.87	0.01544	66.62
52.5 - 53.5	\$15,015,040.73	\$251,658.98	0.01676	65.59
53.5 - 54.5	\$14,031,118.47	\$147,307.72	0.01050	64.49
54.5 - 55.5	\$13,084,856.91	\$308,888.12	0.02361	63.81
55.5 - 56.5	\$11,271,194.39	\$163,222.26	0.01448	62.31
56.5 - 57.5	\$10,894,806.74	\$189,013.35	0.01735	61.41
57.5 - 58.5	\$10,233,990.29	\$92,913.07	0.00908	60.34
58.5 - 59.5	\$9,379,526.58	\$179,407.52	0.01913	59.79
59.5 - 60.5	\$8,508,191.14	\$244,468.59	0.02873	58.65
60.5 - 61.5	\$7,621,134.07	\$87,739.58	0.01151	56.96
61.5 - 62.5	\$6,334,245.38	\$107,310.08	0.01694	56.31
62.5 - 63.5	\$5,962,032.58	\$55,080.20	0.00924	55.35
63.5 - 64.5	\$4,992,635.80	\$102,844.79	0.02060	54.84
64.5 - 65.5	\$4,416,023.63	\$107,910.15	0.02444	53.71
65.5 - 66.5	\$3,887,792.62	\$45,214.42	0.01163	52.40
66.5 - 67.5	\$3,174,642.99	\$79,421.55	0.02502	51.79
67.5 - 68.5	\$2,697,632.47	\$50,794.32	0.01883	50.50
68.5 - 69.5	\$2,322,561.49	\$78,313.68	0.03372	49.54
69.5 - 70.5	\$1,874,167.90	\$24,738.81	0.01320	47.87
70.5 - 71.5	\$1,654,864.10	\$52,171.57	0.03153	47.24
71.5 - 72.5	\$999,084.63	\$29,096.35	0.02912	45.75
72.5 - 73.5	\$724,344.85	\$1,130.85	0.00156	44.42

SWEPCO
Electric Division
353.00 Station Equipment
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1921 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
73.5 - 74.5	\$443,833.45	\$30,560.27	0.06886	44.35
74.5 - 75.5	\$388,162.30	\$866.39	0.00223	41.30
75.5 - 76.5	\$382,272.83	\$34,541.67	0.09036	41.21
76.5 - 77.5	\$333,439.87	\$50,046.60	0.15009	37.48
77.5 - 78.5	\$234,631.30	\$0.00	0.00000	31.86
78.5 - 79.5	\$199,085.67	\$4,867.35	0.02445	31.86
79.5 - 80.5	\$190,453.32	\$2,873.37	0.01509	31.08
80.5 - 81.5	\$185,050.74	\$48.31	0.00026	30.61
81.5 - 82.5	\$183,886.74	\$3,272.24	0.01779	30.60
82.5 - 83.5	\$168,109.72	\$5,747.29	0.03419	30.06
83.5 - 84.5	\$156,906.53	\$461.97	0.00294	29.03
84.5 - 85.5	\$155,817.97	\$21,668.49	0.13906	28.94
85.5 - 86.5	\$120,244.89	\$2,996.07	0.02492	24.92
86.5 - 87.5	\$117,048.00	\$284.42	0.00243	24.30
87.5 - 88.5	\$116,648.42	\$0.00	0.00000	24.24
88.5 - 89.5	\$62,407.57	\$0.00	0.00000	24.24
89.5 - 90.5	\$62,115.78	\$10,587.72	0.17045	24.24
90.5 - 91.5	\$25,009.63	\$0.00	0.00000	20.11
91.5 - 92.5	\$4,524.75	\$0.00	0.00000	20.11
92.5 - 93.5	\$1,968.07	\$0.00	0.00000	20.11
93.5 - 94.5	\$0.00	\$0.00	0.00000	20.11
94.5 - 95.5	\$0.00	\$0.00	0.00000	20.11
95.5 - 96.5	\$0.00	\$0.00	0.00000	20.11
96.5 - 97.5	\$0.00	\$0.00	0.00000	20.11
97.5 - 98.5	\$0.00	\$0.00	0.00000	20.11

SWEPCO
Electric Division
353.00 Station Equipment
Original And Smooth Survivor Curves

Exhibit DJG-15
Page 4 of 35



SWEPCO
Electric Division
354.00 Towers and Fixtures
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1931 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
0.0 - 0.5	\$43,154,544.52	\$16,042.00	0.00037	100.00
0.5 - 1.5	\$43,158,543.57	\$125,606.97	0.00291	99.96
1.5 - 2.5	\$42,879,566.96	\$0.00	0.00000	99.67
2.5 - 3.5	\$41,794,622.51	\$73,272.54	0.00175	99.67
3.5 - 4.5	\$41,113,484.48	\$1.00	0.00000	99.50
4.5 - 5.5	\$40,942,100.57	\$0.00	0.00000	99.50
5.5 - 6.5	\$40,859,940.78	\$37,967.12	0.00093	99.50
6.5 - 7.5	\$40,842,337.90	\$0.00	0.00000	99.40
7.5 - 8.5	\$39,791,959.27	\$120,018.90	0.00302	99.40
8.5 - 9.5	\$38,980,820.28	\$130,659.40	0.00335	99.10
9.5 - 10.5	\$38,702,610.38	\$17,486.00	0.00045	98.77
10.5 - 11.5	\$38,685,124.38	\$1.70	0.00000	98.73
11.5 - 12.5	\$38,618,824.70	\$47,752.40	0.00124	98.73
12.5 - 13.5	\$38,434,687.81	\$50,336.00	0.00131	98.61
13.5 - 14.5	\$37,980,972.36	\$468,060.74	0.01232	98.48
14.5 - 15.5	\$37,269,383.51	\$92,907.50	0.00249	97.26
15.5 - 16.5	\$37,164,665.72	\$30,007.00	0.00081	97.02
16.5 - 17.5	\$37,104,636.89	\$1.00	0.00000	96.94
17.5 - 18.5	\$36,201,808.95	\$0.00	0.00000	96.94
18.5 - 19.5	\$35,571,695.34	\$0.00	0.00000	96.94
19.5 - 20.5	\$35,571,455.81	\$0.00	0.00000	96.94
20.5 - 21.5	\$35,469,315.59	\$0.00	0.00000	96.94
21.5 - 22.5	\$35,461,403.28	\$0.00	0.00000	96.94
22.5 - 23.5	\$34,985,705.41	\$46,557.07	0.00133	96.94
23.5 - 24.5	\$33,260,347.75	\$111,948.92	0.00337	96.81
24.5 - 25.5	\$29,516,063.51	\$0.00	0.00000	96.49
25.5 - 26.5	\$29,516,063.51	\$5,274.26	0.00018	96.49
26.5 - 27.5	\$29,510,789.25	\$0.00	0.00000	96.47
27.5 - 28.5	\$29,510,789.25	\$0.00	0.00000	96.47
28.5 - 29.5	\$29,510,789.25	\$9,629.79	0.00033	96.47
29.5 - 30.5	\$29,153,216.00	\$28,164.29	0.00097	96.44
30.5 - 31.5	\$29,125,051.71	\$1.00	0.00000	96.35
31.5 - 32.5	\$27,624,913.03	\$1.34	0.00000	96.35
32.5 - 33.5	\$27,624,911.69	\$265,311.88	0.00960	96.35
33.5 - 34.5	\$27,315,864.58	\$0.00	0.00000	95.42
34.5 - 35.5	\$24,859,318.17	\$0.00	0.00000	95.42
35.5 - 36.5	\$24,859,318.17	\$0.00	0.00000	95.42

SWEPCO
Electric Division
354.00 Towers and Fixtures
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1931 TO 2019

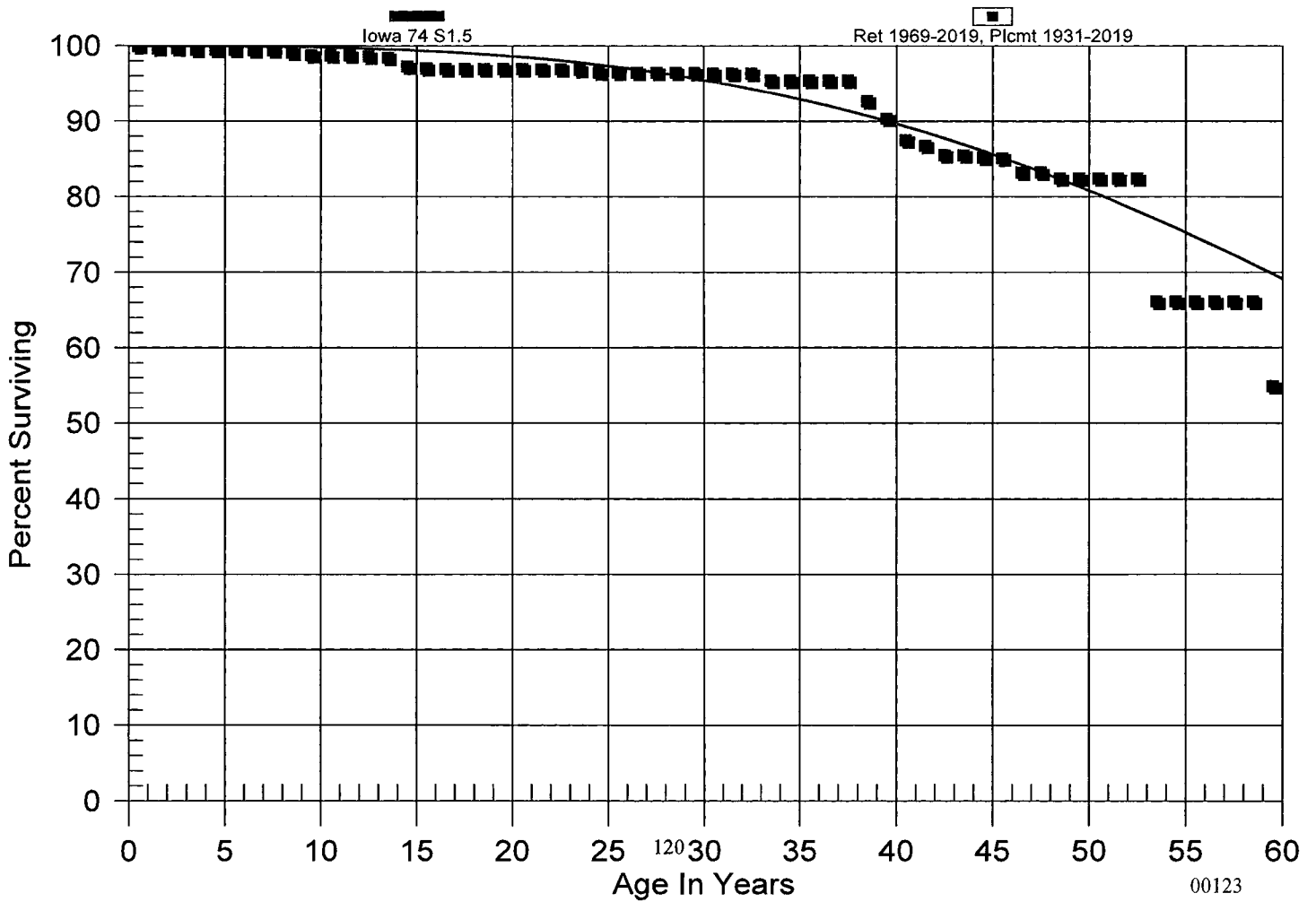
<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
36.5 - 37.5	\$24,714,482.44	\$0.00	0.00000	95.42
37.5 - 38.5	\$20,274,818.28	\$589,061.02	0.02905	95.42
38.5 - 39.5	\$8,256,222.55	\$206,919.67	0.02506	92.65
39.5 - 40.5	\$8,023,719.11	\$254,488.11	0.03172	90.33
40.5 - 41.5	\$7,769,231.00	\$63,069.57	0.00812	87.46
41.5 - 42.5	\$7,665,901.53	\$108,956.77	0.01421	86.75
42.5 - 43.5	\$5,569,469.83	\$0.00	0.00000	85.52
43.5 - 44.5	\$2,820,020.66	\$11,758.84	0.00417	85.52
44.5 - 45.5	\$2,794,323.63	\$2,103.38	0.00075	85.16
45.5 - 46.5	\$2,788,832.15	\$61,868.96	0.02218	85.10
46.5 - 47.5	\$2,621,319.24	\$0.00	0.00000	83.21
47.5 - 48.5	\$2,600,127.17	\$25,279.25	0.00972	83.21
48.5 - 49.5	\$881,250.86	\$0.00	0.00000	82.40
49.5 - 50.5	\$84,186.22	\$0.00	0.00000	82.40
50.5 - 51.5	\$84,186.22	\$0.00	0.00000	82.40
51.5 - 52.5	\$84,186.22	\$0.00	0.00000	82.40
52.5 - 53.5	\$84,186.22	\$16,606.27	0.19726	82.40
53.5 - 54.5	\$67,579.95	\$0.00	0.00000	66.15
54.5 - 55.5	\$53,877.36	\$0.00	0.00000	66.15
55.5 - 56.5	\$38,128.52	\$0.00	0.00000	66.15
56.5 - 57.5	\$38,128.52	\$0.00	0.00000	66.15
57.5 - 58.5	\$29,295.27	\$0.00	0.00000	66.15
58.5 - 59.5	\$28,214.66	\$4,792.39	0.16985	66.15
59.5 - 60.5	\$23,422.27	\$0.00	0.00000	54.91
60.5 - 61.5	\$23,422.27	\$0.00	0.00000	54.91
61.5 - 62.5	\$23,422.27	\$0.00	0.00000	54.91
62.5 - 63.5	\$23,422.27	\$0.00	0.00000	54.91
63.5 - 64.5	\$23,422.27	\$0.00	0.00000	54.91
64.5 - 65.5	\$23,422.27	\$0.00	0.00000	54.91
65.5 - 66.5	\$23,422.27	\$0.00	0.00000	54.91
66.5 - 67.5	\$14,890.76	\$0.00	0.00000	54.91
67.5 - 68.5	\$14,890.76	\$0.00	0.00000	54.91
68.5 - 69.5	\$14,890.76	\$0.00	0.00000	54.91
69.5 - 70.5	\$14,890.76	\$0.00	0.00000	54.91
70.5 - 71.5	\$14,890.76	\$0.00	0.00000	54.91
71.5 - 72.5	\$14,890.76	\$0.00	0.00000	54.91
72.5 - 73.5	\$12,428.66	\$0.00	0.00000	54.91

SWEPCO
Electric Division
354.00 Towers and Fixtures
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1931 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
73.5 - 74.5	\$12,428.66	\$0.00	0.00000	54.91
74.5 - 75.5	\$12,428.66	\$8,210.50	0.66061	54.91
75.5 - 76.5	\$4,218.16	\$0.00	0.00000	18.64
76.5 - 77.5	\$4,218.16	\$0.00	0.00000	18.64
77.5 - 78.5	\$4,218.16	\$0.00	0.00000	18.64
78.5 - 79.5	\$4,218.16	\$0.00	0.00000	18.64
79.5 - 80.5	\$4,218.16	\$0.00	0.00000	18.64
80.5 - 81.5	\$4,218.16	\$0.00	0.00000	18.64
81.5 - 82.5	\$4,218.16	\$0.00	0.00000	18.64
82.5 - 83.5	\$4,218.16	\$0.00	0.00000	18.64
83.5 - 84.5	\$4,218.16	\$0.00	0.00000	18.64
84.5 - 85.5	\$4,218.16	\$0.00	0.00000	18.64
85.5 - 86.5	\$4,218.16	\$0.00	0.00000	18.64
86.5 - 87.5	\$4,218.16	\$0.00	0.00000	18.64
87.5 - 88.5	\$4,218.16	\$0.00	0.00000	18.64

SWEPCO
Electric Division
354.00 Towers and Fixtures
Original And Smooth Survivor Curves

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SWEPCO
Electric Division
355.00 Poles and Fixtures
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1926 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
0.0 - 0.5	\$792,485,712.06	\$85,106.66	0.00011	100.00
0.5 - 1.5	\$708,149,489.46	\$236,754.69	0.00033	99.99
1.5 - 2.5	\$611,271,998.82	\$1,279,080.23	0.00209	99.96
2.5 - 3.5	\$549,675,678.62	\$805,731.42	0.00147	99.75
3.5 - 4.5	\$475,556,396.28	\$1,328,015.95	0.00279	99.60
4.5 - 5.5	\$432,975,819.96	\$1,976,730.23	0.00457	99.32
5.5 - 6.5	\$375,526,664.31	\$883,893.74	0.00235	98.87
6.5 - 7.5	\$353,170,532.07	\$906,172.75	0.00257	98.64
7.5 - 8.5	\$294,738,689.40	\$630,169.45	0.00214	98.38
8.5 - 9.5	\$281,424,157.69	\$1,074,373.69	0.00382	98.17
9.5 - 10.5	\$256,013,767.95	\$693,788.76	0.00271	97.80
10.5 - 11.5	\$225,997,813.26	\$1,939,417.58	0.00858	97.53
11.5 - 12.5	\$202,926,703.10	\$2,056,814.85	0.01014	96.70
12.5 - 13.5	\$187,732,644.77	\$693,576.68	0.00369	95.72
13.5 - 14.5	\$168,984,737.87	\$2,417,302.16	0.01430	95.36
14.5 - 15.5	\$158,755,373.06	\$1,087,800.15	0.00685	94.00
15.5 - 16.5	\$150,905,009.76	\$1,766,979.52	0.01171	93.35
16.5 - 17.5	\$136,538,015.11	\$669,525.94	0.00490	92.26
17.5 - 18.5	\$128,418,486.05	\$951,301.06	0.00741	91.81
18.5 - 19.5	\$115,259,903.22	\$580,485.26	0.00504	91.13
19.5 - 20.5	\$98,560,952.47	\$584,517.29	0.00593	90.67
20.5 - 21.5	\$92,809,319.57	\$575,493.28	0.00620	90.13
21.5 - 22.5	\$90,318,400.18	\$1,181,582.20	0.01308	89.57
22.5 - 23.5	\$85,608,112.73	\$1,135,961.07	0.01327	88.40
23.5 - 24.5	\$75,246,013.82	\$1,508,788.39	0.02005	87.23
24.5 - 25.5	\$65,007,472.16	\$792,237.72	0.01219	85.48
25.5 - 26.5	\$58,465,703.01	\$888,338.31	0.01519	84.44
26.5 - 27.5	\$55,359,557.39	\$1,252,933.78	0.02263	83.15
27.5 - 28.5	\$50,646,422.30	\$836,409.54	0.01651	81.27
28.5 - 29.5	\$46,176,454.21	\$1,206,188.95	0.02612	79.93
29.5 - 30.5	\$42,737,692.07	\$1,088,073.90	0.02546	77.84
30.5 - 31.5	\$40,182,251.53	\$354,017.88	0.00881	75.86
31.5 - 32.5	\$38,462,572.40	\$650,461.30	0.01691	75.19
32.5 - 33.5	\$34,873,257.52	\$416,333.64	0.01194	73.92
33.5 - 34.5	\$33,369,540.11	\$581,333.29	0.01742	73.04
34.5 - 35.5	\$29,934,961.01	\$388,125.31	0.01297	71.77
35.5 - 36.5	\$27,600,764.34	\$1,091,242.60	0.03954	70.84

SWEPCO
Electric Division
355.00 Poles and Fixtures
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1926 TO 2019

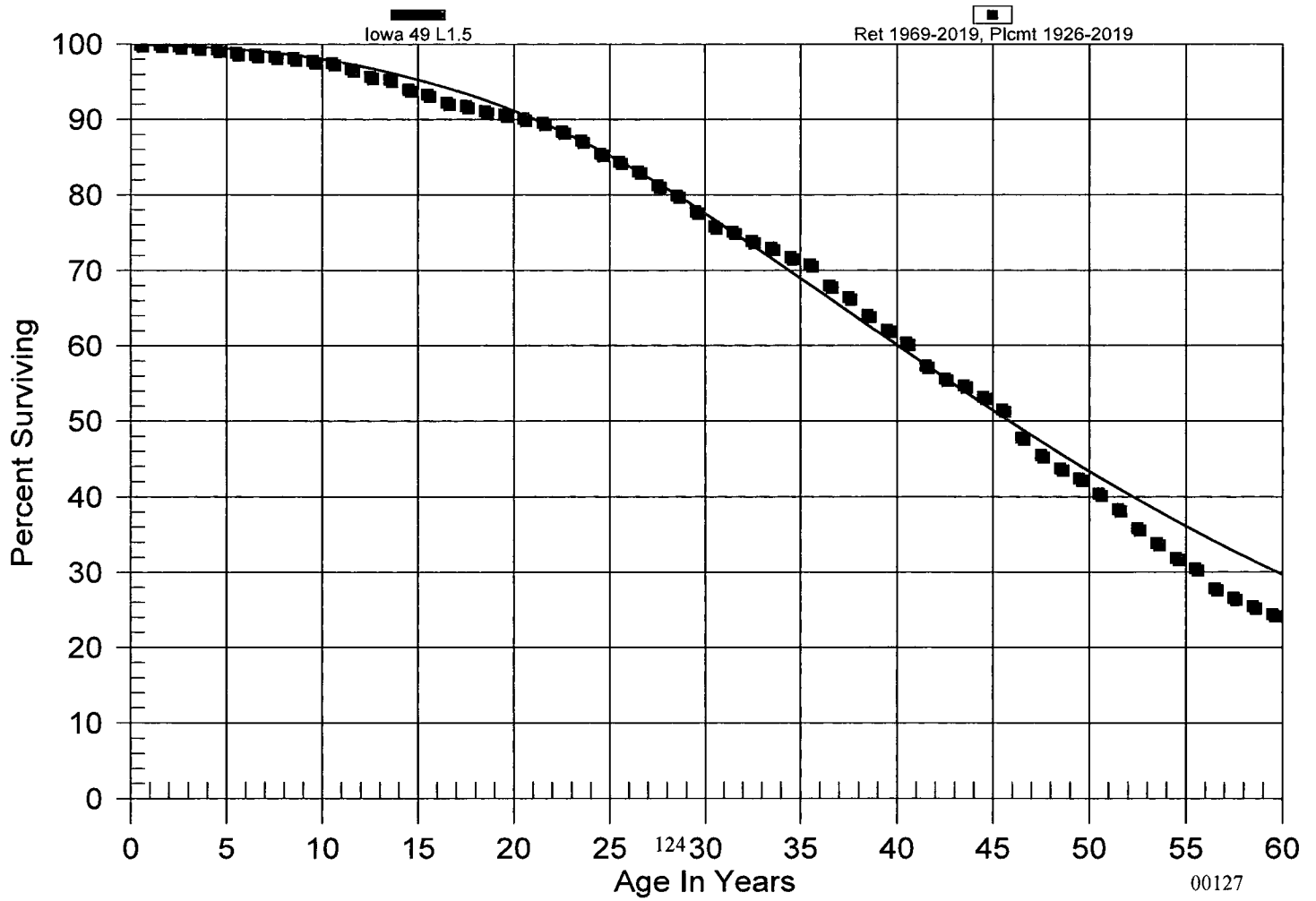
<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
36.5 - 37.5	\$24,234,324.62	\$559,020.93	0.02307	68.03
37.5 - 38.5	\$22,838,385.98	\$804,128.52	0.03521	66.47
38.5 - 39.5	\$19,657,342.71	\$596,794.45	0.03036	64.12
39.5 - 40.5	\$18,676,209.79	\$536,514.90	0.02873	62.18
40.5 - 41.5	\$17,233,999.87	\$861,865.50	0.05001	60.39
41.5 - 42.5	\$14,044,747.59	\$418,689.41	0.02981	57.37
42.5 - 43.5	\$13,470,935.13	\$223,113.24	0.01656	55.66
43.5 - 44.5	\$12,657,712.68	\$344,477.01	0.02721	54.74
44.5 - 45.5	\$11,409,487.13	\$362,523.70	0.03177	53.25
45.5 - 46.5	\$8,900,303.63	\$637,168.15	0.07159	51.56
46.5 - 47.5	\$7,593,428.36	\$369,408.54	0.04865	47.87
47.5 - 48.5	\$6,890,956.55	\$266,266.48	0.03864	45.54
48.5 - 49.5	\$6,198,443.21	\$187,756.63	0.03029	43.78
49.5 - 50.5	\$5,897,275.57	\$275,115.80	0.04665	42.45
50.5 - 51.5	\$5,180,371.10	\$265,773.32	0.05130	40.47
51.5 - 52.5	\$4,063,642.60	\$269,742.71	0.06638	38.40
52.5 - 53.5	\$3,570,187.74	\$196,461.13	0.05503	35.85
53.5 - 54.5	\$3,137,861.38	\$178,439.65	0.05687	33.87
54.5 - 55.5	\$2,782,338.99	\$124,523.99	0.04476	31.95
55.5 - 56.5	\$2,448,056.12	\$212,936.90	0.08698	30.52
56.5 - 57.5	\$2,130,101.61	\$97,169.69	0.04562	27.86
57.5 - 58.5	\$1,980,485.90	\$85,117.91	0.04298	26.59
58.5 - 59.5	\$1,497,761.35	\$59,295.00	0.03959	25.45
59.5 - 60.5	\$1,424,252.17	\$98,093.84	0.06887	24.44
60.5 - 61.5	\$1,251,044.04	\$37,079.37	0.02964	22.76
61.5 - 62.5	\$1,165,023.52	\$63,401.44	0.05442	22.08
62.5 - 63.5	\$1,061,815.28	\$53,073.09	0.04998	20.88
63.5 - 64.5	\$960,870.36	\$114,130.33	0.11878	19.84
64.5 - 65.5	\$740,130.99	\$71,191.20	0.09619	17.48
65.5 - 66.5	\$655,884.66	\$94,911.34	0.14471	15.80
66.5 - 67.5	\$495,650.74	\$58,978.08	0.11899	13.51
67.5 - 68.5	\$419,892.02	\$20,206.73	0.04812	11.91
68.5 - 69.5	\$366,535.24	\$18,279.83	0.04987	11.33
69.5 - 70.5	\$341,193.98	\$11,415.36	0.03346	10.77
70.5 - 71.5	\$246,870.90	\$2,150.39	0.00871	10.41
71.5 - 72.5	\$241,412.91	\$1,827.16	0.00757	10.32
72.5 - 73.5	\$232,165.23	\$37,386.67	0.16103	10.24

SWEPCO
Electric Division
355.00 Poles and Fixtures
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1926 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
73.5 - 74.5	\$192,329.93	\$22,995.69	0.11956	8.59
74.5 - 75.5	\$169,070.10	\$1,972.82	0.01167	7.56
75.5 - 76.5	\$166,474.73	\$2,939.92	0.01766	7.47
76.5 - 77.5	\$162,127.82	\$5,070.86	0.03128	7.34
77.5 - 78.5	\$89,280.08	\$3,673.36	0.04114	7.11
78.5 - 79.5	\$85,585.17	\$6,595.42	0.07706	6.82
79.5 - 80.5	\$78,455.86	\$9,031.23	0.11511	6.29
80.5 - 81.5	\$67,774.99	\$4,759.07	0.07022	5.57
81.5 - 82.5	\$62,901.48	\$2,684.74	0.04268	5.18
82.5 - 83.5	\$60,195.45	\$3,729.74	0.06196	4.96
83.5 - 84.5	\$56,437.46	\$6,455.84	0.11439	4.65
84.5 - 85.5	\$49,981.62	\$525.65	0.01052	4.12
85.5 - 86.5	\$49,326.62	\$13,661.85	0.27697	4.08
86.5 - 87.5	\$35,654.45	\$7,002.96	0.19641	2.95
87.5 - 88.5	\$28,651.49	\$6,734.84	0.23506	2.37
88.5 - 89.5	\$17,842.23	\$349.52	0.01959	1.81
89.5 - 90.5	\$12,136.33	\$1,807.61	0.14894	1.78
90.5 - 91.5	\$2,295.97	\$347.92	0.15154	1.51
91.5 - 92.5	\$1,811.15	\$0.00	0.00000	1.28
92.5 - 93.5	\$1,853.40	\$460.15	0.24827	1.28

SWEPCO
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SWEPCO
Electric Division
356.00 Overhead Conductors and Devices
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1926 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
0 0 - 0.5	\$429,240,042.45	\$83,631.29	0.00019	100.00
0 5 - 1.5	\$401,571,245.14	\$83,416.42	0.00021	99.98
1.5 - 2.5	\$350,614,372.93	\$102,113.14	0.00029	99.96
2.5 - 3.5	\$340,603,914.48	\$109,056.73	0.00032	99.93
3 5 - 4.5	\$312,373,801.24	\$111,571.31	0.00036	99.90
4 5 - 5.5	\$297,468,663.45	\$317,516.39	0.00107	99.86
5.5 - 6.5	\$271,726,962.15	\$338,409.41	0.00125	99.76
6.5 - 7.5	\$260,717,736.63	\$700,723.33	0.00269	99.63
7.5 - 8.5	\$228,594,938.10	\$268,537.06	0.00117	99.36
8.5 - 9.5	\$222,118,766.55	\$277,157.75	0.00125	99.25
9.5 - 10.5	\$208,834,615.28	\$284,552.27	0.00136	99.12
10.5 - 11.5	\$193,309,459.88	\$895,454.81	0.00463	98.99
11.5 - 12.5	\$177,822,779.08	\$919,493.63	0.00517	98.53
12.5 - 13.5	\$162,895,692.02	\$367,885.36	0.00226	98.02
13 5 - 14.5	\$156,364,703.77	\$988,831.17	0.00632	97.80
14.5 - 15.5	\$152,836,212.19	\$610,158.11	0.00399	97.18
15 5 - 16.5	\$149,109,197.13	\$142,586.92	0.00096	96.79
16 5 - 17.5	\$143,417,627.01	\$208,462.31	0.00145	96.70
17.5 - 18.5	\$137,209,767.99	\$99,327.17	0.00072	96.56
18.5 - 19.5	\$129,259,424.96	\$750,275.27	0.00580	96.49
19.5 - 20.5	\$118,626,449.95	\$241,314.73	0.00203	95.93
20.5 - 21.5	\$115,739,093.02	\$92,966.17	0.00080	95.73
21.5 - 22.5	\$115,185,209.02	\$144,113.08	0.00125	95.66
22.5 - 23.5	\$113,886,290.81	\$107,522.45	0.00094	95.54
23.5 - 24.5	\$108,762,942.22	\$403,383.34	0.00371	95.45
24.5 - 25.5	\$103,428,066.11	\$130,851.54	0.00127	95.09
25.5 - 26.5	\$97,252,371.17	\$310,078.25	0.00319	94.97
26 5 - 27.5	\$96,500,114.50	\$199,257.98	0.00206	94.67
27.5 - 28.5	\$94,800,012.28	\$170,935.11	0.00180	94.48
28.5 - 29.5	\$91,840,699.17	\$785,419.43	0.00855	94.30
29.5 - 30.5	\$88,455,503.61	\$510,362.23	0.00577	93.50
30.5 - 31.5	\$87,228,054.56	\$78,116.44	0.00090	92.96
31.5 - 32.5	\$83,331,604.06	\$1,238,892.56	0.01487	92.88
32.5 - 33.5	\$80,570,767.61	\$270,442.05	0.00336	91.49
33.5 - 34.5	\$79,337,232.94	\$113,372.50	0.00143	91.19
34.5 - 35.5	\$70,773,074.78	\$223,557.98	0.00316	91.06
35 5 - 36.5	\$67,559,403.27	\$342,519.67	0.00507	90.77

SWEPCO
Electric Division
356.00 Overhead Conductors and Devices

Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1926 TO 2019

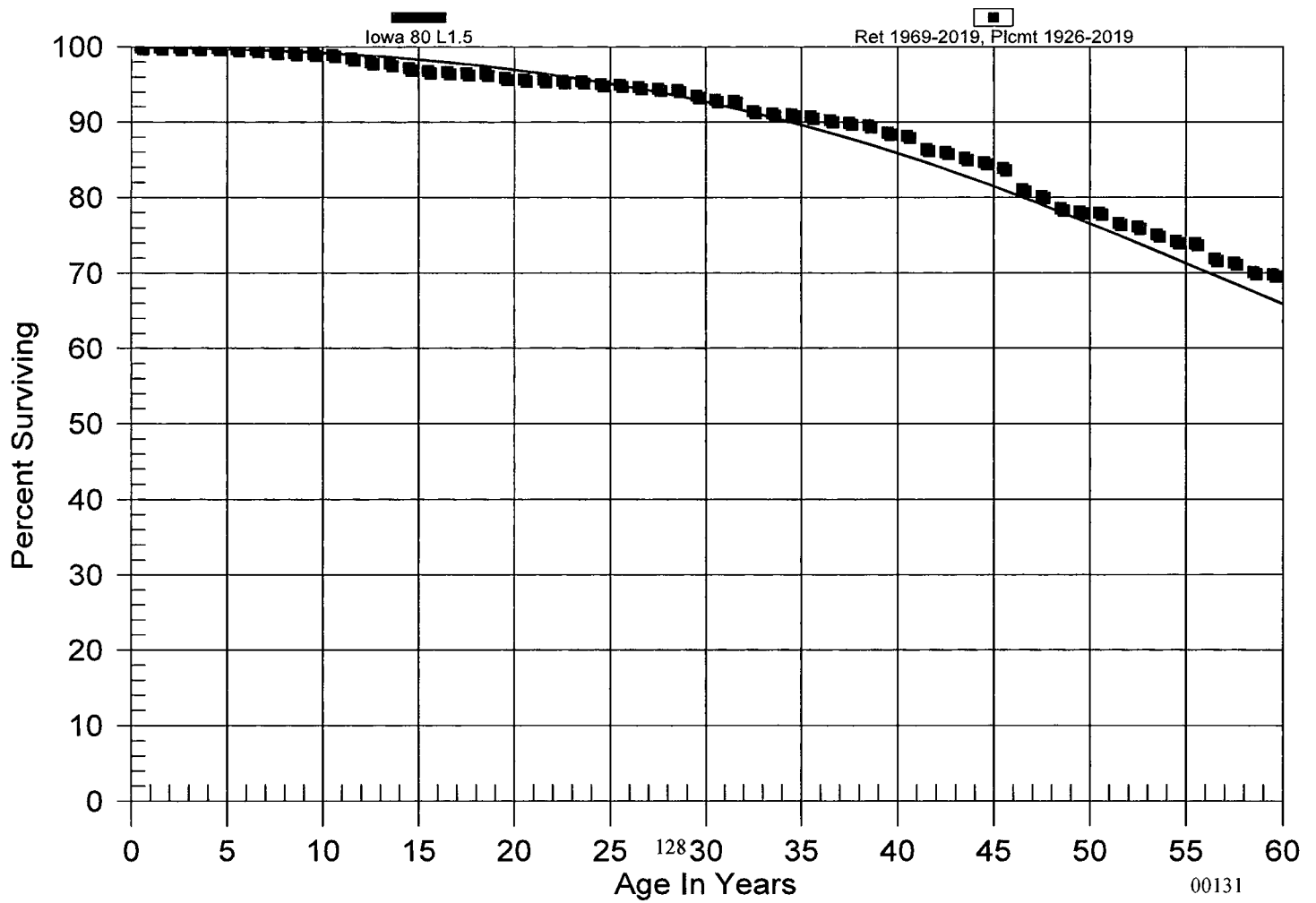
<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
36.5 - 37.5	\$65,041,212.71	\$275,786.89	0.00424	90.31
37.5 - 38.5	\$55,822,622.56	\$188,822.74	0.00338	89.93
38.5 - 39.5	\$41,195,904.46	\$450,918.21	0.01095	89.62
39.5 - 40.5	\$40,297,232.16	\$198,826.82	0.00493	88.64
40.5 - 41.5	\$38,190,705.82	\$766,134.04	0.02006	88.20
41.5 - 42.5	\$33,515,208.98	\$148,967.63	0.00444	86.43
42.5 - 43.5	\$30,131,430.99	\$273,815.31	0.00909	86.05
43.5 - 44.5	\$24,518,616.19	\$162,869.45	0.00664	85.27
44.5 - 45.5	\$22,834,679.25	\$216,692.65	0.00949	84.70
45.5 - 46.5	\$20,678,263.60	\$684,425.97	0.03310	83.90
46.5 - 47.5	\$18,759,395.85	\$211,546.11	0.01128	81.12
47.5 - 48.5	\$17,724,135.97	\$355,727.34	0.02007	80.21
48.5 - 49.5	\$13,689,214.62	\$69,095.36	0.00505	78.60
49.5 - 50.5	\$13,021,220.06	\$21,986.02	0.00169	78.20
50.5 - 51.5	\$11,492,192.74	\$205,491.91	0.01788	78.07
51.5 - 52.5	\$9,076,550.25	\$60,033.95	0.00661	76.67
52.5 - 53.5	\$8,297,858.47	\$113,768.95	0.01371	76.17
53.5 - 54.5	\$7,415,814.08	\$84,140.54	0.01135	75.12
54.5 - 55.5	\$6,489,032.08	\$24,763.29	0.00382	74.27
55.5 - 56.5	\$5,893,312.59	\$164,644.20	0.02794	73.99
56.5 - 57.5	\$5,505,227.80	\$38,932.29	0.00707	71.92
57.5 - 58.5	\$5,232,608.15	\$90,506.08	0.01730	71.41
58.5 - 59.5	\$3,717,200.84	\$18,409.50	0.00495	70.17
59.5 - 60.5	\$3,616,256.70	\$81,984.39	0.02267	69.83
60.5 - 61.5	\$3,053,668.09	\$164,108.43	0.05374	68.24
61.5 - 62.5	\$2,497,238.33	\$77,796.82	0.03115	64.58
62.5 - 63.5	\$2,286,540.64	\$36,814.11	0.01610	62.56
63.5 - 64.5	\$2,194,510.27	\$62,633.62	0.02854	61.56
64.5 - 65.5	\$1,967,174.09	\$46,023.69	0.02340	59.80
65.5 - 66.5	\$1,892,446.10	\$66,804.31	0.03530	58.40
66.5 - 67.5	\$1,500,113.53	\$39,582.97	0.02639	56.34
67.5 - 68.5	\$1,421,373.25	\$3,855.22	0.00271	54.85
68.5 - 69.5	\$1,144,531.80	\$12,324.85	0.01077	54.70
69.5 - 70.5	\$1,098,055.52	\$46,136.10	0.04202	54.12
70.5 - 71.5	\$839,186.62	\$24,125.17	0.02875	51.84
71.5 - 72.5	\$758,790.70	\$36,218.13	0.04773	50.35
72.5 - 73.5	\$666,032.68	\$10,514.06	0.01579	47.95

SWEPCO
Electric Division
356.00 Overhead Conductors and Devices
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1926 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
73.5 - 74.5	\$655,505.22	\$8,645.08	0.01319	47.19
74.5 - 75.5	\$646,860.14	\$184.20	0.00028	46.57
75.5 - 76.5	\$646,661.80	\$270.44	0.00042	46.56
76.5 - 77.5	\$646,260.88	\$524.88	0.00081	46.54
77.5 - 78.5	\$477,089.09	\$2,685.22	0.00563	46.50
78.5 - 79.5	\$474,199.88	\$8,876.39	0.01872	46.24
79.5 - 80.5	\$465,323.49	\$2,485.09	0.00534	45.37
80.5 - 81.5	\$462,294.33	\$810.45	0.00175	45.13
81.5 - 82.5	\$461,384.89	\$8,204.02	0.01778	45.05
82.5 - 83.5	\$453,064.30	\$9,392.10	0.02073	44.25
83.5 - 84.5	\$443,672.20	\$11,336.23	0.02555	43.33
84.5 - 85.5	\$432,335.97	\$9,338.07	0.02160	42.22
85.5 - 86.5	\$422,997.90	\$27,820.59	0.06577	41.31
86.5 - 87.5	\$395,177.31	\$927.70	0.00235	38.59
87.5 - 88.5	\$394,249.61	\$13,374.99	0.03393	38.50
88.5 - 89.5	\$359,446.50	\$1,324.73	0.00369	37.20
89.5 - 90.5	\$353,736.62	\$7,932.30	0.02242	37.06
90.5 - 91.5	\$187,893.97	\$5,984.00	0.03185	36.23
91.5 - 92.5	\$146,708.32	\$2,751.72	0.01876	35.08
92.5 - 93.5	\$142,625.33	\$0.00	0.00000	34.42

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356.00 Overhead Conductors and Devices
Original And Smooth Survivor Curves

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SWEPCO
Electric Division
364.00 Poles, Towers, and Fixtures

Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1926 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
0.0 - 0.5	\$517,445,702.94	\$463,240.18	0.00090	100.00
0.5 - 1.5	\$494,503,154.68	\$1,842,414.23	0.00373	99.91
1.5 - 2.5	\$469,546,071.49	\$2,124,005.22	0.00452	99.54
2.5 - 3.5	\$448,938,860.31	\$2,251,581.93	0.00502	99.09
3.5 - 4.5	\$431,853,708.04	\$2,628,749.53	0.00609	98.59
4.5 - 5.5	\$419,157,690.14	\$2,133,917.44	0.00509	97.99
5.5 - 6.5	\$405,948,641.64	\$2,082,050.81	0.00513	97.49
6.5 - 7.5	\$394,244,458.14	\$2,252,077.49	0.00571	96.99
7.5 - 8.5	\$378,344,896.29	\$2,542,746.07	0.00672	96.44
8.5 - 9.5	\$367,105,170.04	\$2,391,101.69	0.00651	95.79
9.5 - 10.5	\$327,538,705.12	\$2,227,108.65	0.00680	95.17
10.5 - 11.5	\$316,144,901.93	\$2,224,836.61	0.00704	94.52
11.5 - 12.5	\$298,974,531.80	\$1,992,087.53	0.00666	93.85
12.5 - 13.5	\$278,806,789.63	\$2,056,796.38	0.00738	93.23
13.5 - 14.5	\$262,560,553.08	\$2,324,568.51	0.00885	92.54
14.5 - 15.5	\$249,721,795.90	\$2,171,859.43	0.00870	91.72
15.5 - 16.5	\$238,704,506.34	\$2,267,844.23	0.00950	90.92
16.5 - 17.5	\$224,791,203.75	\$2,263,410.39	0.01007	90.06
17.5 - 18.5	\$216,490,193.73	\$2,345,670.73	0.01083	89.15
18.5 - 19.5	\$204,032,245.16	\$2,374,742.97	0.01164	88.19
19.5 - 20.5	\$191,118,612.97	\$1,999,132.98	0.01046	87.16
20.5 - 21.5	\$180,433,993.54	\$2,193,106.23	0.01215	86.25
21.5 - 22.5	\$168,471,069.48	\$1,725,184.77	0.01024	85.20
22.5 - 23.5	\$156,502,250.98	\$1,552,290.79	0.00992	84.33
23.5 - 24.5	\$143,414,793.85	\$1,480,997.34	0.01033	83.49
24.5 - 25.5	\$130,022,884.56	\$1,308,390.68	0.01006	82.63
25.5 - 26.5	\$122,021,230.44	\$1,209,637.98	0.00991	81.80
26.5 - 27.5	\$105,982,715.42	\$1,025,215.90	0.00967	80.99
27.5 - 28.5	\$99,765,704.59	\$1,053,751.77	0.01056	80.20
28.5 - 29.5	\$93,343,024.30	\$918,071.91	0.00984	79.36
29.5 - 30.5	\$86,348,157.40	\$808,352.38	0.00936	78.58
30.5 - 31.5	\$80,628,598.62	\$1,154,048.65	0.01431	77.84
31.5 - 32.5	\$74,682,732.75	\$2,057,781.46	0.02755	76.73
32.5 - 33.5	\$68,265,037.62	\$1,750,890.66	0.02565	74.61
33.5 - 34.5	\$62,016,690.92	\$1,062,226.40	0.01713	72.70
34.5 - 35.5	\$57,146,132.27	\$1,195,938.41	0.02093	71.45
35.5 - 36.5	\$51,584,823.01	\$1,520,029.97	0.02947	69.96

SWEPCO
Electric Division
364.00 Poles, Towers, and Fixtures

Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1926 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
36.5 - 37.5	\$45,389,273.46	\$775,384.15	0.01708	67.90
37.5 - 38.5	\$41,417,427.17	\$551,071.22	0.01331	66.74
38.5 - 39.5	\$37,487,856.86	\$513,422.24	0.01370	65.85
39.5 - 40.5	\$34,293,178.50	\$465,338.12	0.01357	64.95
40.5 - 41.5	\$30,995,176.31	\$454,516.45	0.01466	64.07
41.5 - 42.5	\$28,555,038.66	\$403,409.91	0.01413	63.13
42.5 - 43.5	\$26,635,766.28	\$369,568.68	0.01387	62.23
43.5 - 44.5	\$24,853,498.39	\$372,768.23	0.01500	61.37
44.5 - 45.5	\$22,318,296.13	\$369,008.06	0.01653	60.45
45.5 - 46.5	\$20,949,145.44	\$368,483.90	0.01759	59.45
46.5 - 47.5	\$19,825,302.23	\$283,802.67	0.01432	58.41
47.5 - 48.5	\$18,417,135.36	\$254,007.78	0.01379	57.57
48.5 - 49.5	\$17,287,950.84	\$235,741.34	0.01364	56.78
49.5 - 50.5	\$15,992,441.20	\$257,739.88	0.01612	56.00
50.5 - 51.5	\$14,550,758.72	\$229,809.89	0.01579	55.10
51.5 - 52.5	\$13,383,939.00	\$201,524.11	0.01506	54.23
52.5 - 53.5	\$12,093,059.72	\$161,569.31	0.01336	53.41
53.5 - 54.5	\$10,998,619.46	\$159,852.99	0.01453	52.70
54.5 - 55.5	\$10,012,219.96	\$137,050.39	0.01369	51.93
55.5 - 56.5	\$9,023,365.23	\$138,284.24	0.01533	51.22
56.5 - 57.5	\$8,215,732.76	\$121,025.46	0.01473	50.44
57.5 - 58.5	\$7,257,788.92	\$107,115.42	0.01476	49.69
58.5 - 59.5	\$6,490,534.86	\$96,788.29	0.01491	48.96
59.5 - 60.5	\$5,943,228.29	\$92,707.73	0.01560	48.23
60.5 - 61.5	\$5,301,626.63	\$93,046.50	0.01755	47.48
61.5 - 62.5	\$4,825,307.18	\$95,267.33	0.01974	46.64
62.5 - 63.5	\$4,332,115.19	\$75,102.91	0.01734	45.72
63.5 - 64.5	\$3,840,269.55	\$73,589.42	0.01916	44.93
64.5 - 65.5	\$3,151,696.65	\$57,880.09	0.01836	44.07
65.5 - 66.5	\$2,716,784.37	\$77,966.36	0.02870	43.26
66.5 - 67.5	\$2,044,627.38	\$33,509.68	0.01639	42.02
67.5 - 68.5	\$1,756,942.86	\$72,535.67	0.04129	41.33
68.5 - 69.5	\$1,300,857.56	\$37,816.08	0.02907	39.62
69.5 - 70.5	\$1,158,942.44	\$19,846.14	0.01712	38.47
70.5 - 71.5	\$961,627.63	\$33,506.77	0.03484	37.81
71.5 - 72.5	\$802,497.53	\$56,900.77	0.07090	36.50
72.5 - 73.5	\$683,464.75	\$7,687.94	0.01125	33.91

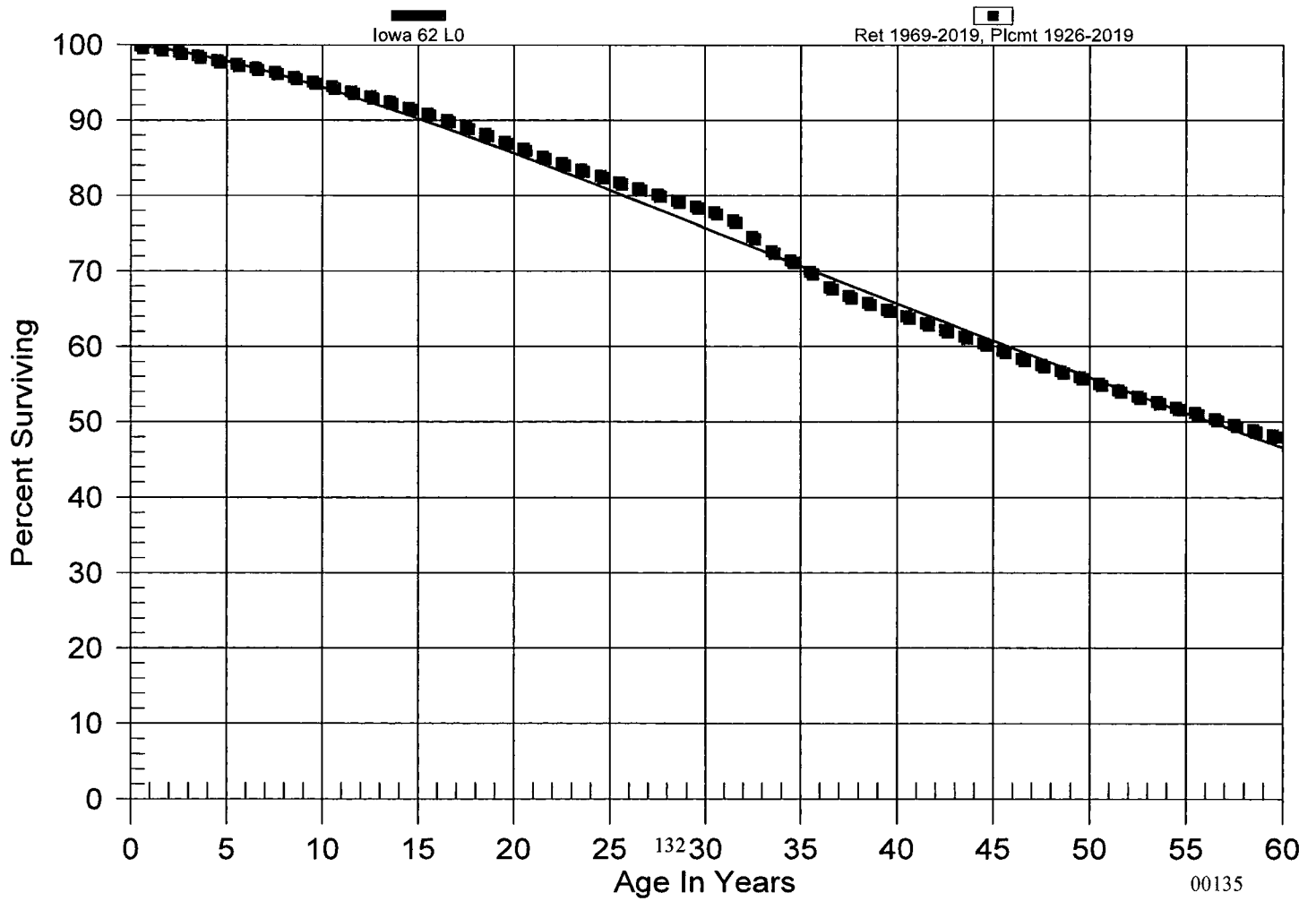
SWEPCO
Electric Division
364.00 Poles, Towers, and Fixtures

Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1926 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
73.5 - 74.5	\$626,392.80	\$22,614.29	0.03610	33.53
74.5 - 75.5	\$589,183.91	\$5,246.77	0.00891	32.32
75.5 - 76.5	\$560,040.37	\$8,214.48	0.01467	32.03
76.5 - 77.5	\$536,082.03	\$5,892.77	0.01099	31.56
77.5 - 78.5	\$514,359.69	\$8,154.30	0.01585	31.21
78.5 - 79.5	\$482,512.66	\$3,352.38	0.00695	30.72
79.5 - 80.5	\$464,389.12	\$73,439.93	0.15814	30.50
80.5 - 81.5	\$323,429.02	\$59,123.27	0.18280	25.68
81.5 - 82.5	\$264,270.90	\$34,134.71	0.12917	20.99
82.5 - 83.5	\$230,103.40	\$26,871.37	0.11678	18.27
83.5 - 84.5	\$203,232.03	\$8,529.58	0.04197	16.14
84.5 - 85.5	\$194,702.45	\$7,078.18	0.03635	15.46
85.5 - 86.5	\$178,816.80	\$7,384.58	0.04130	14.90
86.5 - 87.5	\$171,432.22	\$7,726.51	0.04507	14.29
87.5 - 88.5	\$163,705.71	\$7,681.89	0.04692	13.64
88.5 - 89.5	\$0.00	\$0.00	0.00000	13.00
89.5 - 90.5	\$0.00	\$0.00	0.00000	13.00
90.5 - 91.5	\$0.00	\$0.00	0.00000	13.00
91.5 - 92.5	\$0.00	\$0.00	0.00000	13.00
92.5 - 93.5	\$0.00	\$0.00	0.00000	13.00

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Electric Division
364.00 Poles, Towers, and Fixtures
Original And Smooth Survivor Curves

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SWEPCO
Electric Division
366.00 Underground Conduit
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1928 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
0.0 - 0.5	\$71,509,240.19	\$7,860.68	0.00011	100.00
0.5 - 1.5	\$67,784,477.59	\$30,790.36	0.00045	99.99
1.5 - 2.5	\$65,172,136.32	\$17,468.52	0.00027	99.94
2.5 - 3.5	\$62,030,208.54	\$16,772.81	0.00027	99.92
3.5 - 4.5	\$58,657,418.07	\$53,909.51	0.00092	99.89
4.5 - 5.5	\$55,996,856.98	\$16,232.99	0.00029	99.80
5.5 - 6.5	\$53,776,944.83	\$14,829.02	0.00028	99.77
6.5 - 7.5	\$51,685,574.88	\$54,459.93	0.00105	99.74
7.5 - 8.5	\$49,446,466.80	\$28,888.02	0.00058	99.64
8.5 - 9.5	\$47,066,808.07	\$48,992.98	0.00104	99.58
9.5 - 10.5	\$45,054,820.67	\$65,173.56	0.00145	99.47
10.5 - 11.5	\$42,846,982.60	\$27,271.79	0.00064	99.33
11.5 - 12.5	\$39,197,673.71	\$16,059.41	0.00041	99.27
12.5 - 13.5	\$33,466,808.22	\$12,739.59	0.00038	99.23
13.5 - 14.5	\$29,619,215.46	\$12,265.60	0.00041	99.19
14.5 - 15.5	\$27,064,408.89	\$11,877.74	0.00044	99.15
15.5 - 16.5	\$25,804,501.57	\$16,428.43	0.00064	99.10
16.5 - 17.5	\$22,437,719.87	\$28,917.72	0.00129	99.04
17.5 - 18.5	\$21,586,335.32	\$14,893.25	0.00069	98.91
18.5 - 19.5	\$20,751,878.74	\$13,133.96	0.00063	98.85
19.5 - 20.5	\$19,506,406.24	\$15,186.22	0.00078	98.78
20.5 - 21.5	\$18,628,932.90	\$31,280.41	0.00168	98.71
21.5 - 22.5	\$17,123,480.14	\$17,661.74	0.00103	98.54
22.5 - 23.5	\$15,591,484.30	\$12,799.32	0.00082	98.44
23.5 - 24.5	\$13,701,831.11	\$14,997.50	0.00109	98.36
24.5 - 25.5	\$13,498,525.87	\$13,414.76	0.00099	98.25
25.5 - 26.5	\$11,299,753.27	\$13,830.16	0.00122	98.15
26.5 - 27.5	\$8,933,568.59	\$12,937.96	0.00145	98.03
27.5 - 28.5	\$8,256,403.38	\$13,761.54	0.00167	97.89
28.5 - 29.5	\$7,638,595.75	\$12,522.31	0.00164	97.73
29.5 - 30.5	\$7,106,572.81	\$12,935.49	0.00182	97.57
30.5 - 31.5	\$6,678,276.37	\$11,350.72	0.00170	97.39
31.5 - 32.5	\$6,224,712.23	\$13,059.89	0.00210	97.22
32.5 - 33.5	\$5,799,171.40	\$11,036.76	0.00190	97.02
33.5 - 34.5	\$5,186,619.76	\$8,518.26	0.00164	96.84
34.5 - 35.5	\$4,700,787.98	\$9,335.19	0.00199	96.68
35.5 - 36.5	\$4,212,202.57	\$9,134.99	0.00217	96.48

SWEPCO
Electric Division
366.00 Underground Conduit
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1928 TO 2019

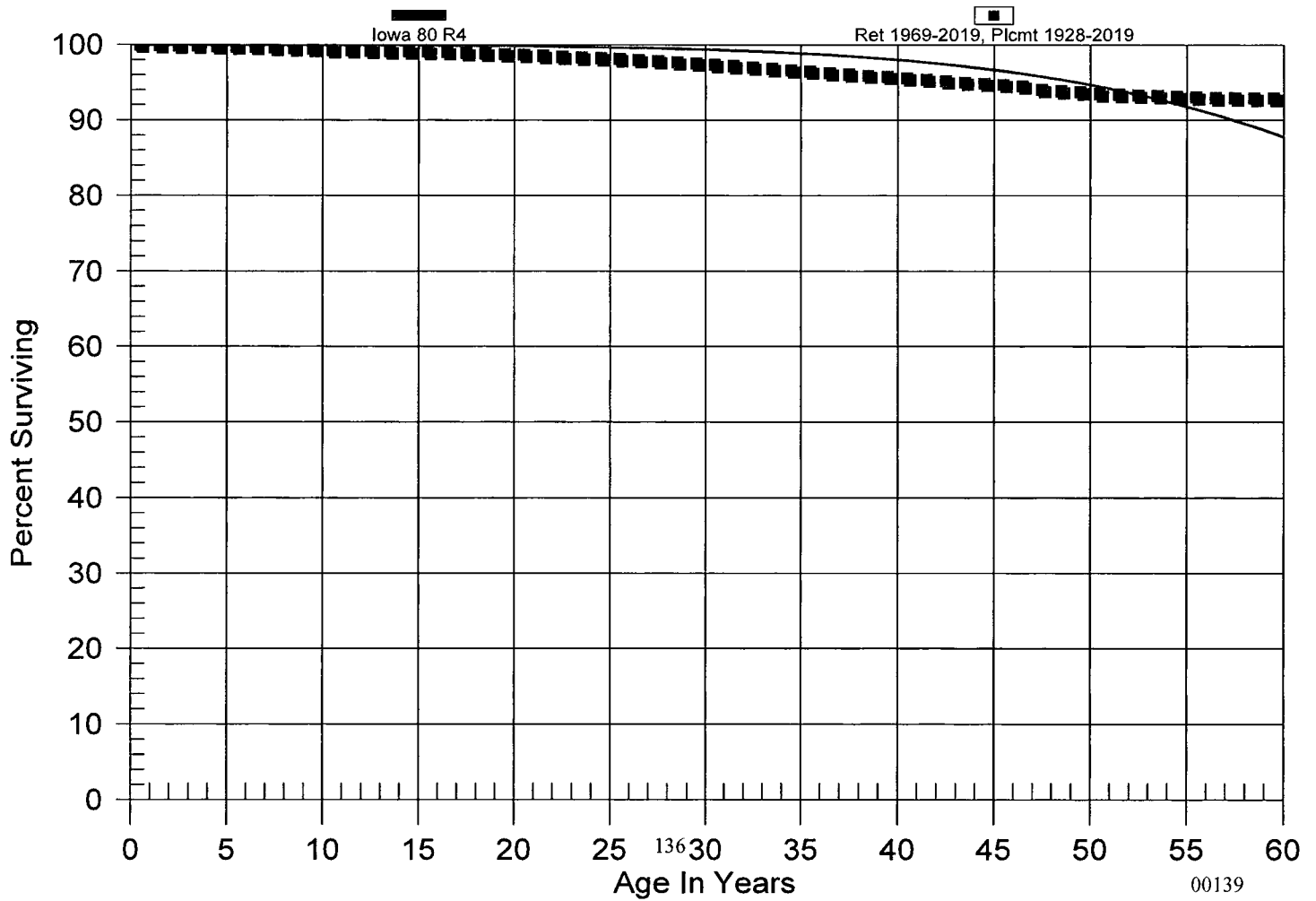
<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
36.5 - 37.5	\$3,651,335.85	\$5,970.05	0.00164	96.28
37.5 - 38.5	\$3,307,761.65	\$5,892.16	0.00178	96.12
38.5 - 39.5	\$3,055,920.05	\$5,616.73	0.00184	95.95
39.5 - 40.5	\$2,807,016.93	\$4,910.49	0.00175	95.77
40.5 - 41.5	\$2,528,457.08	\$5,469.53	0.00216	95.60
41.5 - 42.5	\$2,331,810.52	\$5,086.44	0.00218	95.40
42.5 - 43.5	\$2,116,704.05	\$3,675.48	0.00174	95.19
43.5 - 44.5	\$1,894,500.87	\$3,292.73	0.00174	95.02
44.5 - 45.5	\$1,650,329.86	\$2,189.03	0.00133	94.86
45.5 - 46.5	\$1,515,576.15	\$3,281.89	0.00217	94.73
46.5 - 47.5	\$1,356,353.51	\$7,199.73	0.00531	94.53
47.5 - 48.5	\$1,186,862.65	\$1,845.20	0.00155	94.02
48.5 - 49.5	\$1,002,831.30	\$1,557.13	0.00155	93.88
49.5 - 50.5	\$941,977.20	\$2,421.97	0.00257	93.73
50.5 - 51.5	\$874,249.85	\$834.70	0.00095	93.49
51.5 - 52.5	\$843,268.79	\$1,098.92	0.00130	93.40
52.5 - 53.5	\$814,533.14	\$499.40	0.00061	93.28
53.5 - 54.5	\$798,882.87	\$841.90	0.00105	93.22
54.5 - 55.5	\$796,097.71	\$757.30	0.00095	93.13
55.5 - 56.5	\$755,359.14	\$810.86	0.00107	93.04
56.5 - 57.5	\$734,472.90	\$188.87	0.00026	92.94
57.5 - 58.5	\$710,119.15	\$125.81	0.00018	92.91
58.5 - 59.5	\$706,516.73	\$68.04	0.00010	92.90
59.5 - 60.5	\$667,191.42	\$39.75	0.00006	92.89
60.5 - 61.5	\$644,150.98	\$214.28	0.00033	92.88
61.5 - 62.5	\$605,150.70	\$134.64	0.00022	92.85
62.5 - 63.5	\$593,021.82	\$198.07	0.00033	92.83
63.5 - 64.5	\$542,709.88	\$57.02	0.00011	92.80
64.5 - 65.5	\$444,544.34	\$0.00	0.00000	92.79
65.5 - 66.5	\$425,569.57	\$9.56	0.00002	92.79
66.5 - 67.5	\$227,311.81	\$129.47	0.00057	92.79
67.5 - 68.5	\$208,035.78	\$111.75	0.00054	92.73
68.5 - 69.5	\$192,962.59	\$708.33	0.00367	92.68
69.5 - 70.5	\$164,791.23	\$105.32	0.00064	92.34
70.5 - 71.5	\$145,568.94	\$288.00	0.00198	92.29
71.5 - 72.5	\$145,206.52	\$447.31	0.00308	92.10
72.5 - 73.5	\$144,759.21	\$473.55	0.00327	91.82

SWEPCO
Electric Division
366.00 Underground Conduit
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1928 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
73.5 - 74.5	\$144,285.66	\$228.41	0.00158	91.52
74.5 - 75.5	\$144,057.25	\$9.74	0.00007	91.37
75.5 - 76.5	\$144,047.51	\$18.21	0.00013	91.37
76.5 - 77.5	\$143,950.75	\$10.23	0.00007	91.36
77.5 - 78.5	\$143,940.52	\$17.49	0.00012	91.35
78.5 - 79.5	\$143,923.03	\$86.72	0.00060	91.34
79.5 - 80.5	\$140,682.46	\$6.31	0.00004	91.28
80.5 - 81.5	\$140,676.15	\$8.89	0.00006	91.28
81.5 - 82.5	\$89,572.37	\$58.39	0.00065	91.27
82.5 - 83.5	\$6,838.44	\$14.37	0.00210	91.21
83.5 - 84.5	\$6,782.63	\$21.27	0.00314	91.02
84.5 - 85.5	\$6,761.36	\$7.88	0.00117	90.74
85.5 - 86.5	\$6,753.48	\$1,627.39	0.24097	90.63
86.5 - 87.5	\$5,126.09	\$10.24	0.00200	68.79
87.5 - 88.5	\$5,015.05	\$37.80	0.00754	68.65
88.5 - 89.5	\$4,977.25	\$17.33	0.00348	68.14
89.5 - 90.5	\$3,762.34	\$0.00	0.00000	67.90
90.5 - 91.5	\$3,762.34	\$0.00	0.00000	67.90

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Electric Division
366.00 Underground Conduit
Original And Smooth Survivor Curves

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SWEPCO
Electric Division
367.00 Underground Conductors and Devices

Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1929 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
0.0 - 0.5	\$256,749,320.50	\$229,628.90	0.00089	100.00
0.5 - 1.5	\$244,066,267.44	\$987,915.72	0.00405	99.91
1.5 - 2.5	\$234,922,315.80	\$1,122,151.91	0.00478	99.51
2.5 - 3.5	\$226,157,591.55	\$1,537,160.07	0.00680	99.03
3.5 - 4.5	\$214,775,057.88	\$617,043.45	0.00287	98.36
4.5 - 5.5	\$204,192,634.72	\$922,185.69	0.00452	98.08
5.5 - 6.5	\$196,133,154.86	\$1,064,808.00	0.00543	97.63
6.5 - 7.5	\$187,733,634.66	\$1,265,115.50	0.00674	97.10
7.5 - 8.5	\$177,576,775.61	\$1,114,224.37	0.00627	96.45
8.5 - 9.5	\$168,771,048.47	\$1,058,350.65	0.00627	95.84
9.5 - 10.5	\$157,833,938.95	\$1,366,924.44	0.00866	95.24
10.5 - 11.5	\$148,510,473.98	\$663,998.20	0.00447	94.42
11.5 - 12.5	\$139,066,644.91	\$513,549.38	0.00369	93.99
12.5 - 13.5	\$130,146,858.92	\$353,744.69	0.00272	93.65
13.5 - 14.5	\$120,505,813.14	\$327,126.01	0.00271	93.39
14.5 - 15.5	\$113,410,309.88	\$355,449.26	0.00313	93.14
15.5 - 16.5	\$108,779,655.56	\$403,482.98	0.00371	92.85
16.5 - 17.5	\$104,212,781.17	\$557,795.59	0.00535	92.50
17.5 - 18.5	\$100,452,336.98	\$617,788.68	0.00615	92.01
18.5 - 19.5	\$91,409,824.79	\$529,197.09	0.00579	91.44
19.5 - 20.5	\$84,175,268.38	\$584,259.73	0.00694	90.91
20.5 - 21.5	\$76,226,844.43	\$695,145.92	0.00912	90.28
21.5 - 22.5	\$67,215,844.70	\$620,419.68	0.00923	89.46
22.5 - 23.5	\$58,649,847.98	\$539,173.81	0.00919	88.63
23.5 - 24.5	\$48,495,108.36	\$411,026.67	0.00848	87.82
24.5 - 25.5	\$46,941,980.86	\$459,068.82	0.00978	87.07
25.5 - 26.5	\$43,166,765.71	\$442,570.77	0.01025	86.22
26.5 - 27.5	\$38,864,922.52	\$423,620.13	0.01090	85.34
27.5 - 28.5	\$35,995,408.27	\$334,291.77	0.00929	84.41
28.5 - 29.5	\$33,208,559.24	\$336,917.91	0.01015	83.62
29.5 - 30.5	\$31,029,052.82	\$228,577.48	0.00737	82.78
30.5 - 31.5	\$28,970,043.65	\$203,124.46	0.00701	82.17
31.5 - 32.5	\$26,291,415.93	\$189,636.70	0.00721	81.59
32.5 - 33.5	\$24,696,065.41	\$188,656.28	0.00764	81.00
33.5 - 34.5	\$21,195,082.90	\$136,706.65	0.00645	80.38
34.5 - 35.5	\$18,479,771.74	\$127,982.63	0.00693	79.86
35.5 - 36.5	\$15,887,126.98	\$106,913.30	0.00673	79.31

SWEPCO
Electric Division
367.00 Underground Conductors and Devices

Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1929 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
36.5 - 37.5	\$14,064,298.47	\$99,922.10	0.00710	78.78
37.5 - 38.5	\$12,406,688.01	\$100,483.59	0.00810	78.22
38.5 - 39.5	\$10,984,710.42	\$121,666.94	0.01108	77.58
39.5 - 40.5	\$9,248,280.66	\$91,564.00	0.00990	76.72
40.5 - 41.5	\$7,732,793.54	\$113,133.10	0.01463	75.97
41.5 - 42.5	\$6,578,165.64	\$95,105.56	0.01446	74.85
42.5 - 43.5	\$5,483,587.32	\$89,056.61	0.01624	73.77
43.5 - 44.5	\$4,519,990.54	\$74,749.24	0.01654	72.57
44.5 - 45.5	\$3,847,517.33	\$75,877.60	0.01972	71.37
45.5 - 46.5	\$3,156,777.86	\$67,284.86	0.02131	69.97
46.5 - 47.5	\$2,477,364.18	\$68,408.49	0.02761	68.47
47.5 - 48.5	\$1,575,676.40	\$45,465.44	0.02885	66.58
48.5 - 49.5	\$1,073,671.15	\$39,853.57	0.03712	64.66
49.5 - 50.5	\$874,838.89	\$58,240.09	0.06657	62.26
50.5 - 51.5	\$502,440.45	\$38,405.79	0.07644	58.12
51.5 - 52.5	\$371,836.53	\$47,359.89	0.12737	53.67
52.5 - 53.5	\$284,986.38	\$48,222.08	0.16921	46.84
53.5 - 54.5	\$214,672.25	\$49,808.03	0.23202	38.91
54.5 - 55.5	\$164,154.45	\$37,147.26	0.22629	29.88
55.5 - 56.5	\$125,744.81	\$39,832.73	0.31677	23.12
56.5 - 57.5	\$81,679.85	\$15,975.64	0.19559	15.80
57.5 - 58.5	\$63,256.92	\$16,135.61	0.25508	12.71
58.5 - 59.5	\$47,057.44	\$8,055.95	0.17119	9.47
59.5 - 60.5	\$38,950.92	\$4,880.24	0.12529	7.85
60.5 - 61.5	\$34,034.56	\$1,378.88	0.04051	6.86
61.5 - 62.5	\$32,641.23	\$524.95	0.01608	6.58
62.5 - 63.5	\$31,114.86	\$811.92	0.02609	6.48
63.5 - 64.5	\$27,998.30	\$398.71	0.01424	6.31
64.5 - 65.5	\$27,599.59	\$1,770.45	0.06415	6.22
65.5 - 66.5	\$25,829.14	\$1,674.48	0.06483	5.82
66.5 - 67.5	\$24,154.66	\$6,085.12	0.25192	5.44
67.5 - 68.5	\$18,069.54	\$6,538.88	0.36187	4.07
68.5 - 69.5	\$11,530.66	\$5,936.17	0.51482	2.60
69.5 - 70.5	\$5,508.18	\$2,539.72	0.46108	1.26
70.5 - 71.5	\$2,640.95	\$741.93	0.28093	0.68
71.5 - 72.5	\$1,899.02	\$130.12	0.06852	0.49
72.5 - 73.5	\$1,768.90	\$226.00	0.12776	0.46

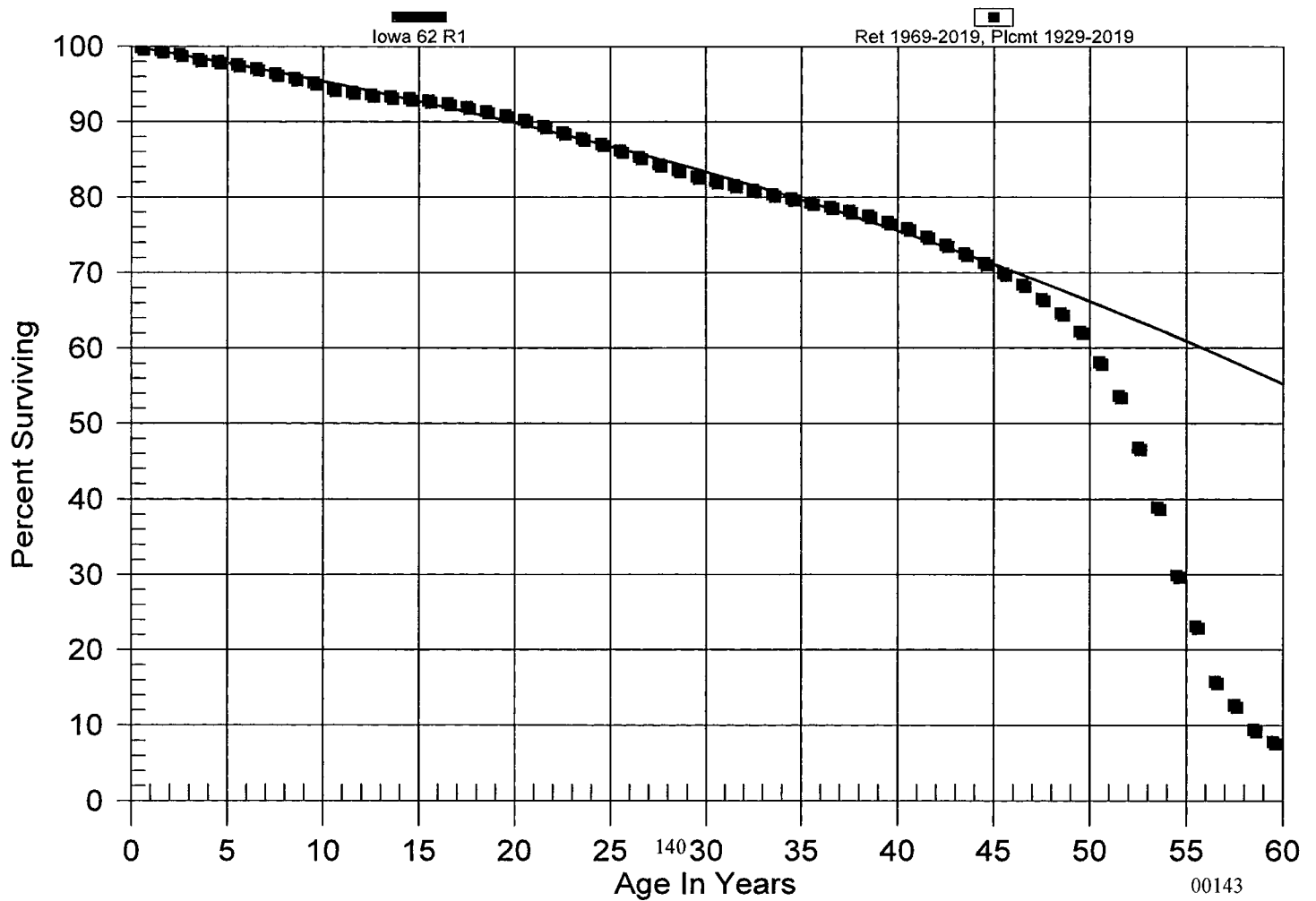
SWEPCO
Electric Division
367.00 Underground Conductors and Devices

Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1929 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
73.5 - 74.5	\$1,542.90	\$27.35	0.01773	0.40
74.5 - 75.5	\$1,515.55	\$7.22	0.00476	0.39
75.5 - 76.5	\$1,508.33	\$0.00	0.00000	0.39
76.5 - 77.5	\$1,508.33	\$0.00	0.00000	0.39
77.5 - 78.5	\$1,508.33	\$0.00	0.00000	0.39
78.5 - 79.5	\$1,508.33	\$0.00	0.00000	0.39
79.5 - 80.5	\$1,508.33	\$0.00	0.00000	0.39
80.5 - 81.5	\$1,508.33	\$11.73	0.00778	0.39
81.5 - 82.5	\$1,496.60	\$9.66	0.00645	0.39
82.5 - 83.5	\$1,486.94	\$13.15	0.00884	0.38
83.5 - 84.5	\$1,337.36	\$6.23	0.00466	0.38
84.5 - 85.5	\$1,331.13	\$4.67	0.00351	0.38
85.5 - 86.5	\$1,326.46	\$10.88	0.00820	0.38
86.5 - 87.5	\$1,136.56	\$64.14	0.05643	0.37
87.5 - 88.5	\$1,072.42	\$58.81	0.05484	0.35
88.5 - 89.5	\$1,013.61	\$82.05	0.08095	0.33
89.5 - 90.5	\$0.00	\$0.00	0.00000	0.31

SWEPCO
Electric Division
367.00 Underground Conductors and Devices
Original And Smooth Survivor Curves

Exhibit DJG-15
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SWEPCO
Electric Division
369.00 Services
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1927 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
0.0 - 0.5	\$97,909,865.35	\$258,617.65	0.00264	100.00
0.5 - 1.5	\$93,562,118.75	\$794,100.29	0.00849	99.74
1.5 - 2.5	\$89,270,236.60	\$594,050.62	0.00665	98.89
2.5 - 3.5	\$85,217,652.43	\$393,416.79	0.00462	98.23
3.5 - 4.5	\$81,638,716.67	\$186,428.24	0.00228	97.78
4.5 - 5.5	\$78,452,865.05	\$120,820.92	0.00154	97.55
5.5 - 6.5	\$75,528,584.14	\$116,660.84	0.00154	97.40
6.5 - 7.5	\$69,357,681.89	\$136,001.33	0.00196	97.25
7.5 - 8.5	\$64,862,833.48	\$187,427.20	0.00289	97.06
8.5 - 9.5	\$60,949,834.18	\$141,503.71	0.00232	96.78
9.5 - 10.5	\$49,589,639.97	\$120,475.04	0.00243	96.56
10.5 - 11.5	\$45,695,441.40	\$120,507.45	0.00264	96.32
11.5 - 12.5	\$42,330,132.06	\$131,114.54	0.00310	96.07
12.5 - 13.5	\$39,034,714.17	\$108,889.03	0.00279	95.77
13.5 - 14.5	\$35,152,515.91	\$125,802.30	0.00358	95.50
14.5 - 15.5	\$31,998,415.19	\$139,608.59	0.00436	95.16
15.5 - 16.5	\$29,447,769.90	\$105,275.52	0.00357	94.75
16.5 - 17.5	\$27,781,000.13	\$183,924.48	0.00662	94.41
17.5 - 18.5	\$27,646,634.43	\$132,334.04	0.00479	93.78
18.5 - 19.5	\$26,710,710.14	\$100,237.31	0.00375	93.33
19.5 - 20.5	\$26,307,437.47	\$107,715.00	0.00409	92.98
20.5 - 21.5	\$25,050,856.26	\$104,132.14	0.00416	92.60
21.5 - 22.5	\$24,157,279.66	\$123,044.93	0.00509	92.22
22.5 - 23.5	\$23,094,630.81	\$100,114.14	0.00433	91.75
23.5 - 24.5	\$21,506,947.49	\$156,289.46	0.00727	91.35
24.5 - 25.5	\$21,107,422.78	\$103,052.34	0.00488	90.69
25.5 - 26.5	\$20,584,204.97	\$96,576.47	0.00469	90.25
26.5 - 27.5	\$18,948,893.74	\$84,783.97	0.00447	89.82
27.5 - 28.5	\$18,387,661.41	\$83,681.62	0.00455	89.42
28.5 - 29.5	\$16,565,464.96	\$69,465.34	0.00419	89.01
29.5 - 30.5	\$16,097,409.81	\$57,699.46	0.00358	88.64
30.5 - 31.5	\$15,444,628.04	\$65,938.64	0.00427	88.32
31.5 - 32.5	\$14,873,671.85	\$60,187.95	0.00405	87.94
32.5 - 33.5	\$14,352,564.58	\$65,970.34	0.00460	87.59
33.5 - 34.5	\$13,720,345.30	\$62,267.90	0.00454	87.19
34.5 - 35.5	\$13,045,925.41	\$54,951.84	0.00421	86.79
35.5 - 36.5	\$12,105,751.99	\$49,931.45	0.00412	86.42

SWEPCO
Electric Division
369.00 Services
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1927 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
36.5 - 37.5	\$11,308,291.69	\$48,035.29	0.00425	86.07
37.5 - 38.5	\$10,703,413.67	\$50,953.25	0.00476	85.70
38.5 - 39.5	\$9,982,798.70	\$54,022.26	0.00541	85.29
39.5 - 40.5	\$9,417,711.63	\$64,033.36	0.00680	84.83
40.5 - 41.5	\$8,834,713.91	\$59,549.29	0.00674	84.26
41.5 - 42.5	\$8,215,146.03	\$58,920.36	0.00717	83.69
42.5 - 43.5	\$7,659,312.10	\$48,427.64	0.00632	83.09
43.5 - 44.5	\$7,153,598.92	\$40,072.28	0.00560	82.56
44.5 - 45.5	\$6,689,683.61	\$28,956.26	0.00433	82.10
45.5 - 46.5	\$6,281,695.71	\$31,494.98	0.00501	81.75
46.5 - 47.5	\$5,886,994.33	\$35,000.34	0.00595	81.34
47.5 - 48.5	\$5,470,815.45	\$40,545.45	0.00741	80.85
48.5 - 49.5	\$5,038,059.42	\$28,626.12	0.00568	80.25
49.5 - 50.5	\$4,752,848.67	\$29,523.04	0.00621	79.80
50.5 - 51.5	\$4,463,085.85	\$31,119.41	0.00697	79.30
51.5 - 52.5	\$4,148,786.38	\$32,188.84	0.00776	78.75
52.5 - 53.5	\$3,848,854.76	\$29,376.26	0.00763	78.14
53.5 - 54.5	\$3,605,792.15	\$29,958.16	0.00831	77.54
54.5 - 55.5	\$3,354,526.26	\$33,015.50	0.00984	76.90
55.5 - 56.5	\$3,062,998.14	\$35,970.29	0.01174	76.14
56.5 - 57.5	\$2,795,050.20	\$33,686.55	0.01205	75.25
57.5 - 58.5	\$2,540,288.14	\$32,314.97	0.01272	74.34
58.5 - 59.5	\$2,304,006.21	\$32,145.74	0.01395	73.39
59.5 - 60.5	\$2,081,083.05	\$34,379.57	0.01652	72.37
60.5 - 61.5	\$1,840,588.79	\$35,029.13	0.01903	71.17
61.5 - 62.5	\$1,637,725.53	\$38,170.00	0.02331	69.82
62.5 - 63.5	\$1,452,500.96	\$127,054.66	0.08747	68.19
63.5 - 64.5	\$1,222,434.19	\$157,062.72	0.12848	62.23
64.5 - 65.5	\$989,546.27	\$99,046.09	0.10009	54.23
65.5 - 66.5	\$734,015.30	\$115,260.04	0.15703	48.80
66.5 - 67.5	\$464,594.79	\$64,536.18	0.13891	41.14
67.5 - 68.5	\$332,440.13	\$21,365.07	0.06427	35.43
68.5 - 69.5	\$248,259.78	\$19,807.23	0.07978	33.15
69.5 - 70.5	\$228,452.55	\$11,191.12	0.04899	30.50
70.5 - 71.5	\$217,261.43	\$12,489.28	0.05749	29.01
71.5 - 72.5	\$204,772.15	\$25,968.79	0.12682	27.34
72.5 - 73.5	\$178,803.36	\$16,520.89	0.09240	23.87

SWEPCO
Electric Division
369.00 Services
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1927 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
73.5 - 74.5	\$162,282.47	\$93,057.93	0.57343	21.67
74.5 - 75.5	\$69,224.54	\$7,095.16	0.10249	9.24
75.5 - 76.5	\$62,129.38	\$2,031.37	0.03270	8.30
76.5 - 77.5	\$60,098.01	\$1,176.37	0.01957	8.02
77.5 - 78.5	\$58,921.64	\$5,199.96	0.08825	7.87
78.5 - 79.5	\$53,721.68	\$38,382.35	0.71447	7.17
79.5 - 80.5	\$15,339.33	\$2,652.38	0.17291	2.05
80.5 - 81.5	\$12,686.95	\$2,569.20	0.20251	1.69

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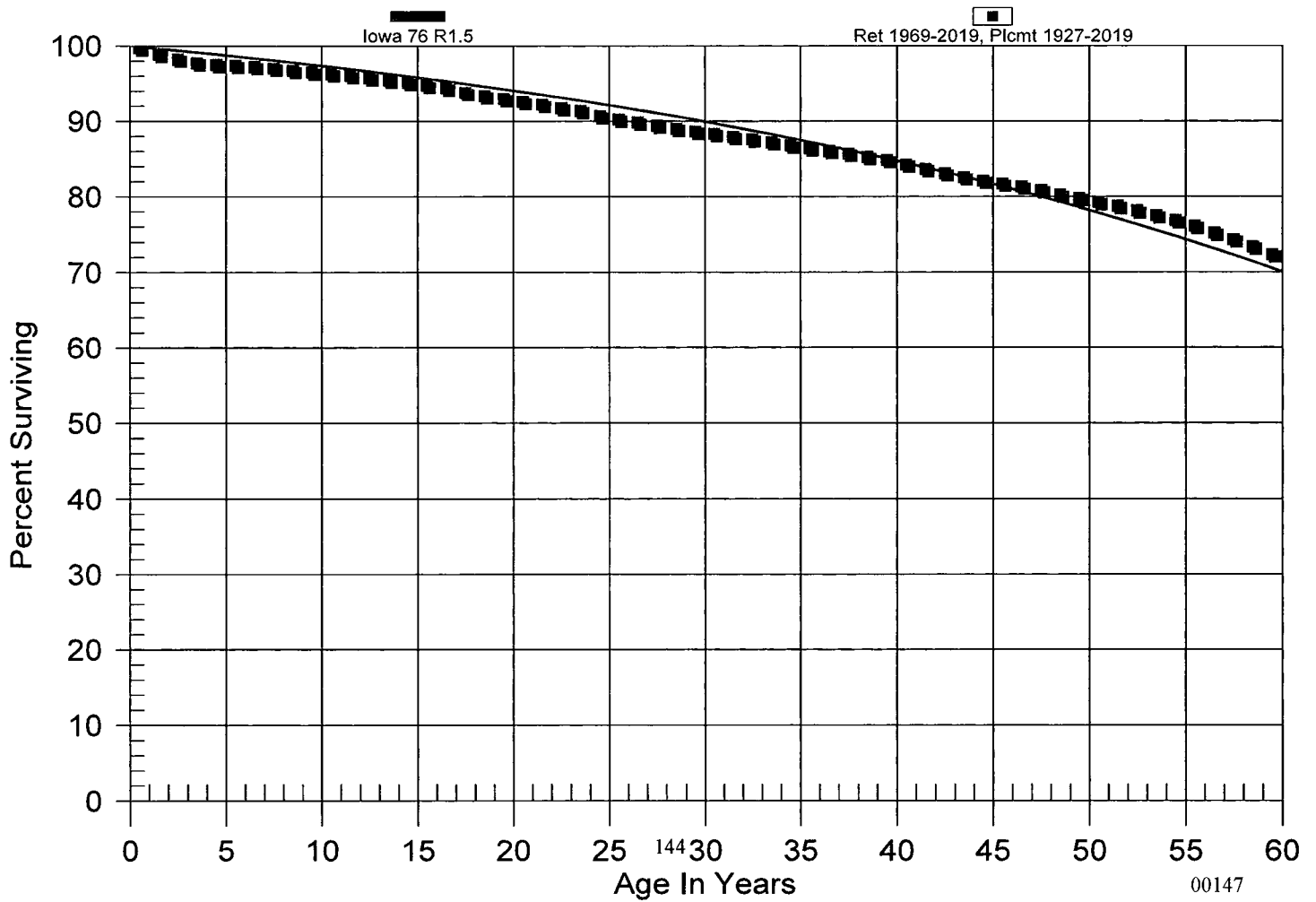
Electric Division

369.00 Services

Original And Smooth Survivor Curves

Exhibit DJG-15

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SWEPCO
Electric Division
370.00 Meters
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1927 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
0.0 - 0.5	\$178,192,711.97	\$2,024,885.83	0.01136	100.00
0.5 - 1.5	\$174,169,698.07	\$4,706,627.77	0.02702	98.86
1.5 - 2.5	\$167,032,629.19	\$6,441,698.77	0.03857	96.19
2.5 - 3.5	\$158,820,639.13	\$4,588,638.76	0.02889	92.48
3.5 - 4.5	\$141,599,174.02	\$3,713,410.85	0.02622	89.81
4.5 - 5.5	\$127,911,293.12	\$3,649,953.17	0.02854	87.46
5.5 - 6.5	\$118,236,631.25	\$5,363,623.67	0.04536	84.96
6.5 - 7.5	\$97,907,689.28	\$2,557,235.09	0.02612	81.11
7.5 - 8.5	\$92,509,221.28	\$2,970,735.59	0.03211	78.99
8.5 - 9.5	\$88,483,451.78	\$3,023,079.57	0.03417	76.45
9.5 - 10.5	\$80,153,276.54	\$2,788,353.33	0.03479	73.84
10.5 - 11.5	\$76,017,396.68	\$2,706,306.02	0.03560	71.27
11.5 - 12.5	\$71,583,130.30	\$3,504,011.38	0.04895	68.73
12.5 - 13.5	\$66,343,902.37	\$2,536,011.77	0.03823	65.37
13.5 - 14.5	\$62,803,845.20	\$3,927,550.84	0.06254	62.87
14.5 - 15.5	\$58,359,783.44	\$2,246,279.89	0.03849	58.94
15.5 - 16.5	\$55,407,241.99	\$2,713,481.36	0.04897	56.67
16.5 - 17.5	\$52,451,003.57	\$2,285,034.28	0.04357	53.89
17.5 - 18.5	\$49,123,756.44	\$2,254,280.93	0.04589	51.55
18.5 - 19.5	\$47,159,427.62	\$2,042,043.76	0.04330	49.18
19.5 - 20.5	\$44,374,834.08	\$2,080,758.36	0.04689	47.05
20.5 - 21.5	\$41,608,582.29	\$1,963,731.68	0.04720	44.84
21.5 - 22.5	\$39,326,054.35	\$2,522,106.60	0.06413	42.73
22.5 - 23.5	\$36,058,028.18	\$1,737,594.52	0.04819	39.99
23.5 - 24.5	\$34,306,209.30	\$2,035,560.15	0.05934	38.06
24.5 - 25.5	\$31,453,778.37	\$1,622,384.46	0.05158	35.80
25.5 - 26.5	\$29,270,984.63	\$1,733,717.55	0.05923	33.96
26.5 - 27.5	\$26,968,183.95	\$1,622,916.94	0.06018	31.94
27.5 - 28.5	\$25,050,526.64	\$1,633,966.87	0.06523	30.02
28.5 - 29.5	\$23,054,349.11	\$1,640,270.70	0.07115	28.06
29.5 - 30.5	\$21,002,385.35	\$1,755,237.36	0.08357	26.07
30.5 - 31.5	\$18,906,569.02	\$1,629,338.90	0.08618	23.89
31.5 - 32.5	\$17,004,194.91	\$1,368,771.18	0.08050	21.83
32.5 - 33.5	\$15,295,595.21	\$1,295,597.12	0.08470	20.07
33.5 - 34.5	\$13,702,764.25	\$1,058,391.09	0.07724	18.37
34.5 - 35.5	\$12,404,146.43	\$958,408.22	0.07727	16.95
35.5 - 36.5	\$11,256,583.85	\$899,111.95	0.07987	15.64

SWEPCO
Electric Division
370.00 Meters
Observed Life Table
Retirement Expr. 1969 TO 2019
Placement Years 1927 TO 2019

<i>Age Interval</i>	<i>\$ Surviving At Beginning of Age Interval</i>	<i>\$ Retired During The Age Interval</i>	<i>Retirement Ratio</i>	<i>% Surviving At Beginning of Age Interval</i>
36.5 - 37.5	\$10,193,368.20	\$769,485.43	0.07549	14.39
37.5 - 38.5	\$9,311,524.94	\$668,258.75	0.07177	13.31
38.5 - 39.5	\$8,543,222.28	\$626,225.20	0.07330	12.35
39.5 - 40.5	\$7,826,928.92	\$619,448.37	0.07914	11.45
40.5 - 41.5	\$7,119,500.44	\$580,267.48	0.08150	10.54
41.5 - 42.5	\$6,475,681.69	\$540,970.63	0.08354	9.68
42.5 - 43.5	\$5,875,590.93	\$459,613.52	0.07822	8.87
43.5 - 44.5	\$5,352,617.42	\$438,811.22	0.08198	8.18
44.5 - 45.5	\$4,868,579.14	\$416,050.52	0.08546	7.51
45.5 - 46.5	\$4,398,135.73	\$549,980.40	0.12505	6.87
46.5 - 47.5	\$3,794,632.87	\$369,276.94	0.09732	6.01
47.5 - 48.5	\$3,369,277.61	\$338,849.00	0.10057	5.42
48.5 - 49.5	\$2,984,827.49	\$372,250.51	0.12471	4.88
49.5 - 50.5	\$2,582,274.69	\$327,972.75	0.12701	4.27
50.5 - 51.5	\$2,224,130.19	\$321,507.49	0.14455	3.73
51.5 - 52.5	\$1,880,496.73	\$283,687.75	0.15086	3.19
52.5 - 53.5	\$1,569,373.55	\$256,067.60	0.16317	2.71
53.5 - 54.5	\$1,292,979.42	\$215,674.62	0.16680	2.27
54.5 - 55.5	\$1,047,037.75	\$189,411.25	0.18090	1.89
55.5 - 56.5	\$835,121.69	\$220,501.62	0.26404	1.55
56.5 - 57.5	\$596,511.60	\$154,405.78	0.25885	1.14
57.5 - 58.5	\$435,699.64	\$119,393.64	0.27403	0.84
58.5 - 59.5	\$306,086.48	\$56,705.03	0.18526	0.61
59.5 - 60.5	\$240,353.76	\$70,233.98	0.29221	0.50
60.5 - 61.5	\$135,845.16	\$45,534.71	0.33520	0.35
61.5 - 62.5	\$90,310.45	\$40,433.75	0.44772	0.23
62.5 - 63.5	\$49,876.70	\$19,439.89	0.38976	0.13
63.5 - 64.5	\$30,436.81	\$14,467.41	0.47533	0.08
64.5 - 65.5	\$15,969.40	\$8,158.77	0.51090	0.04
65.5 - 66.5	\$7,810.63	\$482.30	0.06175	0.02
66.5 - 67.5	\$7,328.33	\$89.31	0.01219	0.02
67.5 - 68.5	\$7,239.02	\$29.77	0.00411	0.02
68.5 - 69.5	\$7,209.25	\$8.71	0.00121	0.02

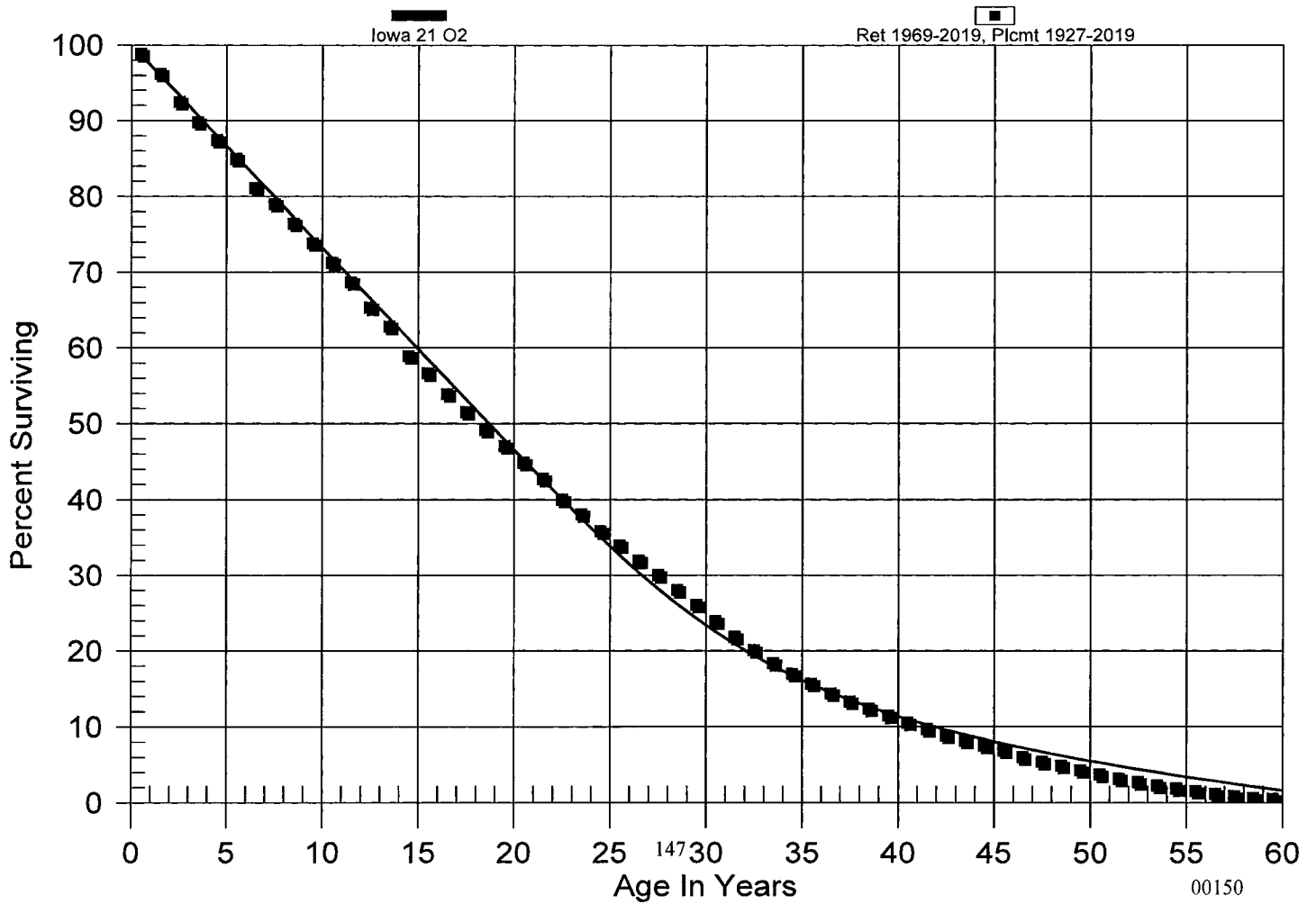
SWEPCO

Electric Division

370.00 Meters

Original And Smooth Survivor Curves

Exhibit DJG-15
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**SOAH DOCKET NO. 473-21-0538
PUC DOCKET NO. 51415**

**APPLICATION OF SOUTHWESTERN § BEFORE THE STATE OFFICE
ELECTRIC POWER COMPANY FOR § OF
AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS**

DIRECT TESTIMONY AND EXHIBITS OF

DAVID J. GARRETT

EXHIBIT DJG-16:

REMAINING LIFE DEVELOPMENT

SWEPCO
Electric Division
353.00 Station Equipment

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 75 Survivor Curve: L0.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1926	1,968.07	75.00	26.24	33.89	889.17
1927	2,556.68	75.00	34.09	34.15	1,163.98
1928	20,484.88	75.00	273.13	34.41	9,398.48
1929	26,518.43	75.00	353.57	34.68	12,261.12
1930	291.79	75.00	3.89	34.94	135.95
1931	54,240.85	75.00	723.20	35.21	25,467.44
1932	115.16	75.00	1.54	35.49	54.49
1933	200.82	75.00	2.68	35.76	95.75
1934	13,904.59	75.00	185.39	36.04	6,681.01
1935	626.59	75.00	8.35	36.32	303.40
1936	5,455.90	75.00	72.74	36.60	2,662.09
1937	12,504.78	75.00	166.73	36.88	6,148.58
1938	1,115.69	75.00	14.88	37.16	552.82
1939	2,529.21	75.00	33.72	37.45	1,262.84
1940	3,765.00	75.00	50.20	37.74	1,894.39
1941	35,545.63	75.00	473.93	38.03	18,023.14
1942	48,761.97	75.00	650.15	38.32	24,914.09
1943	14,291.29	75.00	190.55	38.62	7,358.17
1944	5,023.08	75.00	66.97	38.91	2,606.18
1945	25,110.88	75.00	334.81	39.21	13,128.49
1946	279,380.55	75.00	3,725.02	39.51	147,190.55
1947	245,643.43	75.00	3,275.20	39.82	130,413.24
1948	603,607.90	75.00	8,047.99	40.12	322,914.46
1949	194,564.99	75.00	2,594.16	40.43	104,887.74
1950	370,079.91	75.00	4,934.33	40.74	201,040.92
1951	324,276.66	75.00	4,323.63	41.06	177,508.49
1952	397,588.97	75.00	5,301.11	41.37	219,311.79

SWEPCO
Electric Division
353.00 Station Equipment

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 75

Survivor Curve: L0.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1953	667,935.21	75.00	8,905.67	41.69	371,267.86
1954	420,320.86	75.00	5,604.20	42.01	235,421.95
1955	473,767.38	75.00	6,316.81	42.33	267,394.43
1956	914,316.58	75.00	12,190.71	42.66	520,003.28
1957	264,902.72	75.00	3,531.98	42.98	151,812.41
1958	1,199,149.11	75.00	15,988.42	43.31	692,488.29
1959	642,588.48	75.00	8,567.72	43.64	373,930.91
1960	691,927.92	75.00	9,225.57	43.98	405,722.93
1961	761,550.64	75.00	10,153.86	44.32	449,969.85
1962	471,803.10	75.00	6,290.62	44.65	280,906.57
1963	213,165.39	75.00	2,842.16	45.00	127,887.15
1964	1,504,774.40	75.00	20,063.37	45.34	909,693.98
1965	798,953.84	75.00	10,652.56	45.69	486,698.00
1966	732,263.28	75.00	9,763.37	46.04	449,483.08
1967	654,826.48	75.00	8,730.89	46.39	405,027.07
1968	1,262,425.08	75.00	16,832.09	46.75	786,819.50
1969	765,486.75	75.00	10,206.34	47.10	480,744.96
1970	3,552,754.06	75.00	47,369.37	47.46	2,248,289.39
1971	759,063.06	75.00	10,120.69	47.83	484,032.80
1972	4,616,819.13	75.00	61,556.69	48.19	2,966,516.28
1973	1,948,621.69	75.00	25,981.25	48.56	1,261,652.98
1974	1,031,642.77	75.00	13,755.04	48.93	673,054.17
1975	2,389,546.99	75.00	31,860.16	49.31	1,570,880.04
1976	2,105,695.69	75.00	28,075.53	49.68	1,394,867.35
1977	1,106,515.79	75.00	14,753.33	50.06	738,602.45
1978	15,490,810.13	75.00	206,541.14	50.45	10,419,772.27
1979	3,125,894.61	75.00	41,677.99	50.84	2,118,857.55

SWEPCO
Electric Division
353.00 Station Equipment

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 75

Survivor Curve: L0.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1980	3,401,974.30	75.00	45,359.00	51.23	2,323,910.46
1981	7,560,612.42	75.00	100,806.70	51.64	5,205,207.21
1982	12,321,221.46	75.00	164,280.57	52.04	8,549,608.04
1983	2,835,100.05	75.00	37,800.79	52.46	1,982,887.17
1984	9,696,989.21	75.00	129,291.31	52.88	6,836,741.00
1985	7,212,268.43	75.00	96,162.18	53.31	5,126,136.17
1986	5,657,208.12	75.00	75,428.35	53.74	4,053,778.54
1987	329,566.65	75.00	4,394.16	54.19	238,121.67
1988	862,122.81	75.00	11,494.80	54.64	628,129.60
1989	1,755,154.60	75.00	23,401.72	55.11	1,289,610.78
1990	2,902,266.01	75.00	38,696.32	55.58	2,150,851.93
1991	2,388,927.09	75.00	31,851.90	56.07	1,785,804.56
1992	2,463,750.30	75.00	32,849.53	56.56	1,857,919.22
1993	2,730,326.98	75.00	36,403.83	57.06	2,077,380.18
1994	7,448,218.39	75.00	99,308.14	57.58	5,718,100.91
1995	17,614,801.46	75.00	234,860.61	58.10	13,646,372.62
1996	8,676,443.87	75.00	115,684.24	58.64	6,784,153.36
1997	8,272,377.71	75.00	110,296.77	59.19	6,528,653.90
1998	2,962,196.38	75.00	39,495.38	59.75	2,359,865.74
1999	11,491,258.43	75.00	153,214.55	60.32	9,242,632.37
2000	4,124,368.68	75.00	54,990.78	60.91	3,349,363.30
2001	7,742,375.92	75.00	103,230.18	61.50	6,348,842.15
2002	16,030,249.72	75.00	213,733.56	62.11	13,275,439.17
2003	15,582,567.59	75.00	207,764.55	62.73	13,033,320.47
2004	4,227,258.83	75.00	56,362.63	63.36	3,571,235.11
2005	5,719,732.69	75.00	76,262.00	64.01	4,881,460.12
2006	6,950,972.95	75.00	92,678.29	64.67	5,993,083.77

SWEPCO
Electric Division
353.00 Station Equipment

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 75 Survivor Curve: L0.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2007	27,554,777.89	75.00	367,391.70	65.33	24,003,034.09
2008	15,188,563.19	75.00	202,511.23	66.02	13,369,650.23
2009	27,897,475.47	75.00	371,960.94	66.71	24,815,157.43
2010	31,326,766.57	75.00	417,684.16	67.42	28,161,087.84
2011	23,453,681.78	75.00	312,711.22	68.15	21,310,700.11
2012	36,408,526.88	75.00	485,439.98	68.88	33,439,380.70
2013	21,520,066.17	75.00	286,930.05	69.63	19,980,349.06
2014	37,948,082.38	75.00	505,967.08	70.41	35,623,230.95
2015	34,915,276.82	75.00	465,530.26	71.19	33,141,007.00
2016	81,630,398.44	75.00	1,088,389.51	71.99	78,353,345.45
2017	39,353,784.81	75.00	524,709.51	72.82	38,208,241.95
2018	39,833,098.94	75.00	531,100.27	73.66	39,122,977.45
2019	55,461,737.62	75.00	739,479.10	74.54	55,119,468.03
Total	702,710,222.85	75.00	9,369,333.57	65.77	616,196,306.07

Composite Average Remaining Life ... 65.77 Years

SWEPCO
Electric Division
354.00 Towers and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 74 Survivor Curve: S1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1931	4,218.16	74.00	57.00	16.05	914.78
1947	2,462.10	74.00	33.27	21.86	727.28
1953	8,531.51	74.00	115.29	24.41	2,814.07
1961	1,080.61	74.00	14.60	28.20	411.84
1962	8,833.25	74.00	119.37	28.71	3,427.18
1964	15,748.84	74.00	212.82	29.76	6,332.68
1965	13,702.59	74.00	185.17	30.29	5,608.67
1970	797,064.64	74.00	10,771.14	33.10	356,512.16
1971	1,693,597.06	74.00	22,886.45	33.69	770,970.00
1972	21,192.07	74.00	286.38	34.29	9,819.59
1973	105,643.95	74.00	1,427.62	34.90	49,819.26
1974	3,388.10	74.00	45.79	35.52	1,626.16
1975	13,938.19	74.00	188.35	36.15	6,808.19
1976	2,749,449.17	74.00	37,154.72	36.78	1,366,680.18
1977	1,987,474.93	74.00	26,857.77	37.43	1,005,411.83
1978	40,259.90	74.00	544.05	38.09	20,725.00
1980	25,583.77	74.00	345.73	39.45	13,637.21
1981	11,429,534.71	74.00	154,453.19	40.14	6,199,051.63
1982	4,452,092.82	74.00	60,163.42	40.84	2,456,810.10
1983	144,835.73	74.00	1,957.24	41.55	81,324.40
1985	2,456,546.41	74.00	33,196.58	43.01	1,427,619.35
1986	43,735.23	74.00	591.02	43.75	25,858.45
1988	1,500,137.68	74.00	20,272.13	45.27	917,744.62
1990	347,943.46	74.00	4,701.94	46.84	220,227.75
1995	3,632,335.32	74.00	49,085.62	50.93	2,500,137.09
1996	1,678,800.59	74.00	22,686.50	51.78	1,174,768.05
1997	475,697.87	74.00	6,428.35	52.64	338,415.13

SWEPCO
Electric Division
354.00 Towers and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 74 Survivor Curve: S1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1998	15,166.80	74.00	204.96	53.51	10,967.84
1999	102,140.22	74.00	1,380.27	54.39	75,073.77
2000	239.53	74.00	3.24	55.28	178.94
2001	630,113.61	74.00	8,515.05	56.18	478,350.35
2002	928,106.19	74.00	12,541.98	57.08	715,917.98
2003	30,021.83	74.00	405.70	58.00	23,529.86
2004	36,948.07	74.00	499.30	58.92	29,418.73
2005	243,528.11	74.00	3,290.92	59.85	196,960.19
2006	403,379.45	74.00	5,451.07	60.79	331,368.72
2007	136,384.49	74.00	1,843.03	61.73	113,778.69
2008	74,126.98	74.00	1,001.72	62.69	62,793.34
2010	147,550.50	74.00	1,993.93	64.61	128,829.32
2011	691,120.09	74.00	9,339.46	65.58	612,504.84
2012	1,054,756.08	74.00	14,253.46	66.56	948,687.95
2014	100,562.79	74.00	1,358.96	68.53	93,122.66
2015	187,131.75	74.00	2,528.81	69.51	175,788.40
2016	621,568.08	74.00	8,399.57	70.51	592,226.78
2017	1,084,944.45	74.00	14,661.41	71.50	1,048,334.09
2018	153,369.64	74.00	2,072.56	72.50	150,262.21
2019	30,294.95	74.00	409.39	73.50	30,090.22
Total	40,325,282.27	74.00	544,936.30	45.48	24,782,387.54

Composite Average Remaining Life ... 45.48 Years

SWEPCO
Electric Division
355.00 Poles and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 49

Survivor Curve: L1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1926	1,393.25	49.00	28.43	10.43	296.67
1928	136.90	49.00	2.79	10.83	30.25
1929	8,032.75	49.00	163.93	11.03	1,807.54
1930	5,356.38	49.00	109.31	11.23	1,227.35
1931	4,074.42	49.00	83.15	11.43	950.55
1933	10.32	49.00	0.21	11.85	2.49
1934	129.35	49.00	2.64	12.05	31.82
1936	28.25	49.00	0.58	12.48	7.20
1937	21.29	49.00	0.43	12.70	5.52
1938	114.44	49.00	2.34	12.92	30.17
1939	1,649.64	49.00	33.67	13.14	442.34
1940	533.89	49.00	10.90	13.36	145.60
1941	21.55	49.00	0.44	13.59	5.98
1942	67,776.88	49.00	1,383.16	13.82	19,114.43
1943	1,406.99	49.00	28.71	14.05	403.44
1944	622.55	49.00	12.70	14.28	181.48
1945	264.14	49.00	5.39	14.52	78.27
1946	2,448.63	49.00	49.97	14.76	737.46
1947	7,420.52	49.00	151.43	15.00	2,271.23
1948	3,307.60	49.00	67.50	15.24	1,028.72
1949	82,907.72	49.00	1,691.94	15.48	26,199.07
1950	7,061.43	49.00	144.11	15.73	2,266.91
1951	33,150.05	49.00	676.51	15.98	10,809.90
1952	16,780.64	49.00	342.45	16.23	5,557.55
1953	65,322.58	49.00	1,333.07	16.48	21,969.29
1954	13,055.13	49.00	266.42	16.73	4,458.10
1955	106,609.04	49.00	2,175.63	16.99	36,958.65

SWEPCO
Electric Division
355.00 Poles and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 49

Survivor Curve: L1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1956	47,871.83	49.00	976.95	17.24	16,845.73
1957	39,806.80	49.00	812.36	17.50	14,216.34
1958	48,941.15	49.00	998.77	17.76	17,736.04
1959	75,114.29	49.00	1,532.90	18.01	27,614.12
1960	14,214.18	49.00	290.08	18.27	5,300.82
1961	397,606.64	49.00	8,114.17	18.53	150,389.19
1962	52,446.02	49.00	1,070.29	18.80	20,116.23
1963	105,017.61	49.00	2,143.15	19.06	40,841.03
1964	209,758.88	49.00	4,280.66	19.32	82,696.34
1965	177,082.74	49.00	3,613.82	19.58	70,763.01
1966	235,865.23	49.00	4,813.43	19.84	95,519.76
1967	223,712.15	49.00	4,565.41	20.11	91,802.96
1968	850,955.18	49.00	17,365.89	20.37	353,797.08
1969	441,788.67	49.00	9,015.82	20.64	186,075.88
1970	113,411.01	49.00	2,314.44	20.91	48,385.16
1971	426,246.86	49.00	8,698.65	21.17	184,187.30
1972	333,063.27	49.00	6,797.00	21.44	145,758.72
1973	669,707.12	49.00	13,667.07	21.72	296,809.58
1974	2,146,659.80	49.00	43,808.03	21.99	963,444.66
1975	903,748.54	49.00	18,443.28	22.27	410,749.50
1976	590,109.21	49.00	12,042.67	22.55	271,602.40
1977	266,601.99	49.00	5,440.69	22.84	124,266.27
1978	2,398,634.54	49.00	48,950.21	23.13	1,132,327.13
1979	943,382.40	49.00	19,252.11	23.43	451,081.00
1980	480,314.22	49.00	9,802.03	23.73	232,651.00
1981	2,418,508.55	49.00	49,355.79	24.05	1,186,878.53
1982	997,100.10	49.00	20,348.35	24.37	495,856.00

SWEPCO
Electric Division
355.00 Poles and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 49

Survivor Curve: L1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1983	2,276,064.14	49.00	46,448.85	24.70	1,147,238.47
1984	1,946,698.89	49.00	39,727.32	25.04	994,776.87
1985	2,853,481.16	49.00	58,232.51	25.39	1,478,684.31
1986	1,088,952.04	49.00	22,222.82	25.76	572,413.15
1987	2,939,310.55	49.00	59,984.07	26.14	1,567,773.37
1988	1,367,995.98	49.00	27,917.42	26.53	740,636.43
1989	1,476,788.41	49.00	30,137.61	26.94	811,845.61
1990	2,292,745.11	49.00	46,789.27	27.36	1,280,277.18
1991	3,637,157.26	49.00	74,225.40	27.80	2,063,798.22
1992	3,555,068.21	49.00	72,550.17	28.26	2,050,629.29
1993	2,500,492.11	49.00	51,028.87	28.75	1,466,860.95
1994	5,765,419.19	49.00	117,657.97	29.25	3,441,258.53
1995	8,737,770.33	49.00	178,316.32	29.77	5,308,996.15
1996	9,228,549.88	49.00	188,331.92	30.32	5,710,467.18
1997	3,537,076.48	49.00	72,183.00	30.89	2,229,996.73
1998	2,125,960.00	49.00	43,385.60	31.49	1,366,219.31
1999	5,512,563.08	49.00	112,497.80	32.11	3,612,374.95
2000	16,573,491.75	49.00	338,224.05	32.75	11,078,357.94
2001	12,347,142.85	49.00	251,974.71	33.42	8,421,208.87
2002	7,901,401.71	49.00	161,248.10	34.11	5,499,928.28
2003	12,767,607.81	49.00	260,555.36	34.82	9,071,495.94
2004	7,361,029.19	49.00	150,220.43	35.54	5,339,144.45
2005	7,991,345.97	49.00	163,083.64	36.29	5,917,635.70
2006	18,586,369.49	49.00	379,301.92	37.05	14,052,252.95
2007	13,486,739.51	49.00	275,231.06	37.83	10,411,363.49
2008	21,329,045.07	49.00	435,273.16	38.63	16,814,123.52
2009	29,689,303.27	49.00	605,885.39	39.45	23,899,695.11

SWEPCO
Electric Division
355.00 Poles and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 49

Survivor Curve: L1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2010	24,723,040.78	49.00	504,536.23	40.28	20,323,316.01
2011	12,860,531.46	49.00	262,451.70	41.13	10,795,808.41
2012	58,707,970.33	49.00	1,198,084.75	42.01	50,325,881.85
2013	21,788,696.91	49.00	444,653.52	42.89	19,072,532.29
2014	55,783,635.39	49.00	1,138,406.29	43.80	49,858,634.27
2015	42,237,862.96	49.00	861,970.52	44.72	38,543,745.00
2016	74,135,403.03	49.00	1,512,920.57	45.65	69,062,945.92
2017	60,977,768.82	49.00	1,244,405.73	46.59	57,982,090.71
2018	97,169,938.07	49.00	1,982,998.56	47.55	94,292,689.02
2019	85,868,659.21	49.00	1,752,367.36	48.52	85,017,873.75
Total	759,166,381.71	49.00	15,492,711.79	41.88	648,879,699.94

Composite Average Remaining Life ... 41.88 Years

SWEPCO
Electric Division

356.00 Overhead Conductors and Devices

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80

Survivor Curve: L1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1926	142,625.33	80.00	1,782.76	30.78	54,878.06
1927	1,331.27	80.00	16.64	31.05	516.61
1928	35,201.65	80.00	440.01	31.30	13,774.22
1929	157,910.35	80.00	1,973.82	31.57	62,307.81
1930	4,385.15	80.00	54.81	31.83	1,744.72
1931	21,428.12	80.00	267.84	32.09	8,596.32
1937	116.57	80.00	1.46	33.68	49.07
1938	98.99	80.00	1.24	33.95	42.00
1939	544.07	80.00	6.80	34.22	232.69
1941	203.99	80.00	2.55	34.75	88.61
1942	168,646.91	80.00	2,108.02	35.02	73,828.39
1943	130.48	80.00	1.63	35.30	57.57
1944	14.14	80.00	0.18	35.57	6.29
1946	13.40	80.00	0.17	36.12	6.05
1947	56,539.89	80.00	706.73	36.40	25,725.90
1948	56,270.75	80.00	703.36	36.68	25,800.68
1949	212,732.80	80.00	2,659.08	36.97	98,297.46
1950	34,151.43	80.00	426.88	37.25	15,903.24
1951	272,986.23	80.00	3,412.22	37.55	128,114.54
1952	39,157.31	80.00	489.45	37.84	18,520.24
1953	325,528.26	80.00	4,068.98	38.14	155,177.71
1954	28,704.30	80.00	358.79	38.44	13,791.59
1955	164,702.56	80.00	2,058.72	38.75	79,765.80
1956	55,216.26	80.00	690.18	39.06	26,955.58
1957	132,900.87	80.00	1,661.21	39.37	65,404.79
1958	392,321.33	80.00	4,903.86	39.69	194,649.94
1959	480,604.22	80.00	6,007.37	40.02	240,415.95

SWEPCO
Electric Division

356.00 Overhead Conductors and Devices

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80

Survivor Curve: L1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1960	82,534.64	80.00	1,031.65	40.35	41,630.67
1961	1,424,901.23	80.00	17,810.71	40.69	724,772.06
1962	233,687.36	80.00	2,921.00	41.04	119,875.98
1963	223,440.59	80.00	2,792.92	41.39	115,606.40
1964	570,956.20	80.00	7,136.73	41.75	297,991.80
1965	842,641.46	80.00	10,532.69	42.12	443,676.40
1966	768,275.44	80.00	9,603.15	42.50	408,142.36
1967	718,657.83	80.00	8,982.94	42.89	385,246.71
1968	2,210,150.58	80.00	27,626.03	43.28	1,195,742.66
1969	1,507,041.30	80.00	18,837.43	43.69	822,962.97
1970	598,899.20	80.00	7,486.01	44.10	330,144.07
1971	3,679,194.01	80.00	45,988.50	44.52	2,047,637.14
1972	823,713.77	80.00	10,296.10	44.96	462,932.49
1973	1,234,441.78	80.00	15,430.04	45.41	700,635.96
1974	1,939,723.00	80.00	24,245.79	45.86	1,111,998.51
1975	1,521,067.49	80.00	19,012.76	46.33	880,887.72
1976	5,338,999.49	80.00	66,735.43	46.82	3,124,295.89
1977	3,521,729.43	80.00	44,020.26	47.31	2,082,625.47
1978	4,070,460.49	80.00	50,879.18	47.82	2,432,942.81
1979	1,957,509.61	80.00	24,468.11	48.34	1,182,758.40
1980	648,969.82	80.00	8,111.87	48.88	396,500.72
1981	14,483,697.19	80.00	181,040.61	49.43	8,948,779.19
1982	9,163,852.57	80.00	114,544.61	49.99	5,726,582.47
1983	2,202,838.65	80.00	27,534.63	50.57	1,392,512.30
1984	2,990,278.89	80.00	37,377.33	51.17	1,912,692.83
1985	8,451,673.66	80.00	105,642.65	51.78	5,470,399.40
1986	968,658.23	80.00	12,107.85	52.41	634,519.68

SWEPCO
Electric Division

356.00 Overhead Conductors and Devices

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80

Survivor Curve: L1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1987	1,522,976.73	80.00	19,036.62	53.04	1,009,757.56
1988	3,818,764.84	80.00	47,733.08	53.70	2,563,264.34
1989	719,255.14	80.00	8,990.41	54.37	488,773.85
1990	2,614,043.26	80.00	32,674.53	55.04	1,798,566.99
1991	2,789,077.00	80.00	34,862.38	55.74	1,943,085.66
1992	1,679,419.62	80.00	20,992.10	56.44	1,184,880.28
1993	800,354.76	80.00	10,004.12	57.16	571,835.13
1994	6,049,821.08	80.00	75,620.42	57.89	4,377,396.65
1995	4,937,276.98	80.00	61,714.05	58.62	3,617,885.17
1996	5,016,191.14	80.00	62,700.45	59.38	3,722,892.94
1997	1,155,082.87	80.00	14,438.09	60.14	868,244.73
1998	672,951.07	80.00	8,411.63	60.91	512,320.25
1999	2,978,447.99	80.00	37,229.45	61.69	2,296,586.94
2000	10,510,344.56	80.00	131,375.24	62.48	8,208,930.64
2001	7,995,267.91	80.00	99,937.76	63.29	6,325,000.86
2002	6,463,504.54	80.00	80,791.31	64.10	5,179,123.22
2003	5,738,591.48	80.00	71,730.17	64.93	4,657,531.46
2004	3,840,947.12	80.00	48,010.35	65.77	3,157,802.79
2005	2,633,940.34	80.00	32,923.24	66.62	2,193,440.79
2006	6,619,206.24	80.00	82,737.52	67.48	5,583,357.39
2007	14,369,897.49	80.00	179,618.16	68.35	12,277,431.55
2008	14,823,540.69	80.00	185,288.53	69.24	12,828,972.27
2009	15,911,460.22	80.00	198,887.10	70.13	13,947,856.36
2010	13,615,090.77	80.00	170,183.37	71.03	12,088,235.68
2011	6,350,719.96	80.00	79,381.54	71.94	5,710,783.21
2012	33,384,740.74	80.00	417,296.35	72.86	30,405,852.64
2013	10,961,021.27	80.00	137,008.53	73.79	10,110,229.10

SWEPCO
Electric Division

356.00 Overhead Conductors and Devices

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80

Survivor Curve: L1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2014	25,797,963.23	80.00	322,464.56	74.73	24,097,543.00
2015	15,873,193.09	80.00	198,408.77	75.67	15,014,225.59
2016	29,361,018.91	80.00	367,001.38	76.63	28,122,146.36
2017	10,761,852.80	80.00	134,519.00	77.58	10,436,602.81
2018	51,761,118.83	80.00	646,993.96	78.55	50,819,969.49
2019	29,960,954.75	80.00	374,500.35	79.52	29,778,707.87
<i>Total</i>	426,450,497.96	80.00	5,330,466.28	67.65	360,598,378.42

Composite Average Remaining Life ... 67.65 Years

SWEPCO
Electric Division

364.00 Poles, Towers, and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 62

Survivor Curve: L0

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1931	156,023.82	62.00	2,516.60	28.50	71,730.28
1934	8,807.47	62.00	142.06	29.24	4,153.75
1937	32.79	62.00	0.53	29.99	15.86
1938	34.85	62.00	0.56	30.25	17.00
1939	67,520.17	62.00	1,089.07	30.50	33,220.30
1940	14,771.16	62.00	238.25	30.76	7,328.88
1941	23,692.73	62.00	382.15	31.02	11,855.36
1942	15,829.57	62.00	255.32	31.28	7,987.47
1943	15,743.86	62.00	253.94	31.55	8,011.19
1944	23,896.77	62.00	385.44	31.81	12,262.64
1945	14,594.60	62.00	235.40	32.08	7,552.16
1946	49,384.01	62.00	796.54	32.35	25,770.47
1947	62,132.01	62.00	1,002.16	32.62	32,694.54
1948	125,623.33	62.00	2,026.25	32.90	66,658.88
1949	177,468.67	62.00	2,862.49	33.17	94,962.35
1950	104,099.04	62.00	1,679.07	33.45	56,168.83
1951	383,549.63	62.00	6,186.49	33.73	208,685.53
1952	254,174.84	62.00	4,099.73	34.02	139,454.49
1953	594,190.63	62.00	9,584.04	34.30	328,730.30
1954	377,032.19	62.00	6,081.37	34.59	210,339.18
1955	614,983.48	62.00	9,919.42	34.88	345,948.80
1956	416,742.73	62.00	6,721.88	35.17	236,388.30
1957	397,924.66	62.00	6,418.35	35.46	227,601.92
1958	383,272.95	62.00	6,182.03	35.76	221,047.85
1959	548,893.93	62.00	8,853.42	36.06	319,214.55
1960	450,518.28	62.00	7,266.67	36.36	264,182.43
1961	660,138.64	62.00	10,647.75	36.66	390,325.21

SWEPCO
Electric Division

364.00 Poles, Towers, and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 62

Survivor Curve: L0

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1962	836,918.38	62.00	13,499.13	36.96	498,978.75
1963	669,348.23	62.00	10,796.30	37.27	402,388.96
1964	851,804.34	62.00	13,739.24	37.58	516,345.60
1965	826,546.51	62.00	13,331.84	37.89	505,194.48
1966	932,870.95	62.00	15,046.81	38.21	574,917.78
1967	1,089,355.17	62.00	17,570.83	38.53	676,945.42
1968	937,009.83	62.00	15,113.57	38.85	587,107.52
1969	1,183,942.60	62.00	19,096.49	39.17	747,989.18
1970	1,059,768.30	62.00	17,093.61	39.49	675,103.47
1971	875,176.74	62.00	14,116.23	39.82	562,138.66
1972	1,124,364.20	62.00	18,135.51	40.15	728,197.32
1973	755,359.31	62.00	12,183.62	40.49	493,266.54
1974	1,000,142.63	62.00	16,131.87	40.82	658,532.90
1975	2,162,434.03	62.00	34,879.13	41.16	1,435,652.33
1976	1,412,699.21	62.00	22,786.23	41.50	945,674.85
1977	1,516,271.47	62.00	24,456.81	41.85	1,023,433.63
1978	2,054,171.20	62.00	33,132.90	42.19	1,397,989.60
1979	2,870,784.07	62.00	46,304.52	42.54	1,969,942.97
1980	2,729,340.12	62.00	44,023.09	42.90	1,888,422.57
1981	3,426,642.84	62.00	55,270.28	43.25	2,390,536.99
1982	3,992,387.72	62.00	64,395.50	43.61	2,808,311.95
1983	4,681,738.58	62.00	75,514.43	43.97	3,320,527.06
1984	4,369,696.85	62.00	70,481.34	44.34	3,124,905.68
1985	3,846,470.28	62.00	62,041.92	44.70	2,773,546.53
1986	4,505,657.04	62.00	72,674.32	45.08	3,275,798.14
1987	4,370,501.67	62.00	70,494.32	45.45	3,203,885.18
1988	4,804,467.01	62.00	77,493.99	45.83	3,551,224.68

SWEPCO
Electric Division
364.00 Poles, Towers, and Fixtures
Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 62 Survivor Curve: L0

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1989	4,924,002.84	62.00	79,422.05	46.21	3,669,766.49
1990	6,259,548.26	62.00	100,963.83	46.59	4,703,826.24
1991	5,417,717.42	62.00	87,385.46	46.98	4,105,046.99
1992	5,280,271.51	62.00	85,168.51	47.37	4,034,223.94
1993	14,884,199.49	62.00	240,075.75	47.76	11,466,743.44
1994	6,737,122.73	62.00	108,666.90	48.16	5,233,812.77
1995	11,970,687.35	62.00	193,082.05	48.57	9,377,850.86
1996	11,612,615.33	62.00	187,306.50	48.98	9,174,517.30
1997	10,449,446.16	62.00	168,545.08	49.40	8,326,026.23
1998	10,103,719.24	62.00	162,968.66	49.82	8,119,619.79
1999	9,149,555.43	62.00	147,578.40	50.26	7,416,565.35
2000	11,141,887.10	62.00	179,713.86	50.69	9,110,446.87
2001	10,560,709.57	62.00	170,339.71	51.14	8,711,235.64
2002	6,934,713.42	62.00	111,853.95	51.60	5,771,225.12
2003	12,444,442.37	62.00	200,723.52	52.06	10,449,475.99
2004	10,159,039.03	62.00	163,860.94	52.53	8,608,199.37
2005	11,533,734.08	62.00	186,034.18	53.02	9,863,125.30
2006	15,415,784.24	62.00	248,649.99	53.51	13,305,589.39
2007	19,240,397.85	62.00	310,339.36	54.02	16,764,036.35
2008	16,001,897.74	62.00	258,103.75	54.53	14,075,686.05
2009	10,221,572.26	62.00	164,869.58	55.07	9,079,115.68
2010	38,351,457.34	62.00	618,592.55	55.62	34,403,542.48
2011	9,924,661.23	62.00	160,080.53	56.18	8,992,704.13
2012	14,929,502.11	62.00	240,806.46	56.76	13,667,530.85
2013	11,247,430.07	62.00	181,416.22	57.36	10,405,456.93
2014	12,478,803.24	62.00	201,277.74	57.98	11,669,115.94
2015	11,689,871.69	62.00	188,552.62	58.62	11,053,238.53

SWEPCO
Electric Division

364.00 Poles, Towers, and Fixtures

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 62

Survivor Curve: L0

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2016	16,512,451.00	62.00	266,338.75	59.29	15,791,255.45
2017	20,233,387.30	62.00	326,355.86	60.00	19,581,352.99
2018	24,997,991.25	62.00	403,206.87	60.75	24,495,394.46
2019	24,396,103.61	62.00	393,498.68	61.55	24,221,105.85
<i>Total</i>	470,031,668.35	62.00	7,581,409.16	52.72	399,716,100.06

Composite Average Remaining Life ... 52.72 Years

SWEPCO
Electric Division

366.00 Underground Conduit

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80

Survivor Curve: R4

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1928	3,762.34	80.00	47.03	7.43	349.53
1930	1,197.58	80.00	14.97	8.06	120.62
1932	100.80	80.00	1.26	8.72	10.98
1936	41.44	80.00	0.52	10.20	5.28
1937	82,675.54	80.00	1,033.44	10.61	10,961.37
1938	51,094.89	80.00	638.68	11.03	7,046.54
1940	3,153.85	80.00	39.42	11.95	470.94
1943	78.55	80.00	0.98	13.46	13.21
1948	74.42	80.00	0.93	16.39	15.25
1949	19,116.97	80.00	238.96	17.02	4,068.02
1950	27,463.03	80.00	343.29	17.67	6,066.44
1951	14,961.44	80.00	187.02	18.33	3,428.19
1952	19,146.56	80.00	239.33	19.01	4,548.77
1953	198,248.20	80.00	2,478.09	19.69	48,783.30
1954	18,974.77	80.00	237.18	20.37	4,832.25
1955	98,108.52	80.00	1,226.35	21.07	25,837.87
1956	50,113.87	80.00	626.42	21.78	13,642.24
1957	11,994.24	80.00	149.93	22.49	3,372.17
1958	38,786.00	80.00	484.82	23.21	11,254.88
1959	23,000.69	80.00	287.51	23.95	6,884.50
1960	39,257.27	80.00	490.71	24.69	12,116.27
1961	3,476.61	80.00	43.46	25.44	1,105.64
1962	24,164.88	80.00	302.06	26.20	7,914.51
1963	20,075.38	80.00	250.94	26.97	6,768.03
1964	39,981.27	80.00	499.76	27.75	13,870.41
1965	1,943.26	80.00	24.29	28.54	693.32
1966	15,150.87	80.00	189.38	29.34	5,556.62

SWEPCO
Electric Division
366.00 Underground Conduit

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80

Survivor Curve: R4

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1967	27,636.73	80.00	345.46	30.15	10,414.43
1968	30,146.36	80.00	376.83	30.97	11,669.26
1969	65,305.38	80.00	816.31	31.79	25,952.83
1970	59,296.97	80.00	741.21	32.63	24,183.25
1971	182,186.15	80.00	2,277.32	33.47	76,219.71
1972	162,291.13	80.00	2,028.63	34.32	69,630.94
1973	155,940.75	80.00	1,949.25	35.18	68,582.65
1974	132,564.68	80.00	1,657.05	36.05	59,739.61
1975	240,878.28	80.00	3,010.96	36.93	111,185.59
1976	218,527.70	80.00	2,731.58	37.81	103,290.00
1977	210,020.03	80.00	2,625.24	38.70	101,607.24
1978	191,177.03	80.00	2,389.70	39.60	94,635.78
1979	279,024.13	80.00	3,487.78	40.51	141,274.46
1980	244,533.39	80.00	3,056.65	41.42	126,603.45
1981	249,168.94	80.00	3,114.60	42.34	131,860.54
1982	337,749.15	80.00	4,221.84	43.26	182,634.00
1983	552,420.53	80.00	6,905.22	44.19	305,126.07
1984	479,250.22	80.00	5,990.60	45.12	270,319.23
1985	477,313.52	80.00	5,966.39	46.06	274,831.48
1986	601,514.88	80.00	7,518.90	47.01	353,442.69
1987	412,591.88	80.00	5,157.37	47.96	247,324.76
1988	532,419.96	80.00	6,655.22	48.91	325,506.84
1989	466,750.84	80.00	5,834.36	49.87	290,941.91
1990	519,584.15	80.00	6,494.77	50.83	330,113.43
1991	607,496.19	80.00	7,593.67	51.79	393,287.46
1992	664,376.25	80.00	8,304.66	52.76	438,155.00
1993	2,352,354.52	80.00	29,404.29	53.73	1,579,911.14

SWEPCO
Electric Division

366.00 Underground Conduit

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80

Survivor Curve: R4

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1994	2,185,436.39	80.00	27,317.82	54.70	1,494,389.98
1995	188,622.74	80.00	2,357.77	55.68	131,279.81
1996	1,876,853.87	80.00	23,460.56	56.66	1,329,244.79
1997	1,514,334.10	80.00	18,929.08	57.64	1,091,057.70
1998	1,474,228.35	80.00	18,427.76	58.62	1,080,266.66
1999	862,361.54	80.00	10,779.47	59.61	642,520.36
2000	1,251,562.13	80.00	15,644.45	60.59	947,937.73
2001	847,567.50	80.00	10,594.54	61.58	652,414.04
2002	839,157.18	80.00	10,489.41	62.57	656,313.92
2003	3,369,503.23	80.00	42,118.58	63.56	2,677,030.22
2004	1,446,459.78	80.00	18,080.66	64.55	1,167,127.31
2005	2,561,679.74	80.00	32,020.84	65.54	2,098,761.22
2006	3,933,306.69	80.00	49,166.09	66.54	3,271,361.58
2007	5,767,275.95	80.00	72,090.60	67.53	4,868,356.37
2008	3,637,513.47	80.00	45,468.70	68.53	3,115,799.18
2009	2,182,161.51	80.00	27,276.89	69.52	1,896,339.40
2010	1,987,171.94	80.00	24,839.53	70.52	1,751,633.71
2011	2,390,027.98	80.00	29,875.20	71.51	2,136,514.72
2012	2,188,556.76	80.00	27,356.83	72.51	1,983,696.48
2013	2,104,092.38	80.00	26,301.03	73.51	1,933,374.95
2014	2,228,854.89	80.00	27,860.55	74.51	2,075,816.39
2015	2,652,643.60	80.00	33,157.88	75.51	2,503,604.37
2016	3,360,230.76	80.00	42,002.68	76.50	3,213,377.62
2017	3,157,524.21	80.00	39,468.86	77.50	3,058,947.40
2018	2,633,136.00	80.00	32,914.04	78.50	2,583,808.26
2019	3,752,006.01	80.00	46,899.85	79.50	3,728,573.45

SWEPCO
Electric Division

366.00 Underground Conduit

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 80

Survivor Curve: R4

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
<i>Total</i>	71,650,931.68	80.00	895,632.27	65.25	58,437,728.52

Composite Average Remaining Life ... 65.25 Years

SWEPCO
Electric Division

367.00 Underground Conductors and Devices

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 62

Survivor Curve: R1

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1930	931.56	62.00	15.02	11.29	169.66
1933	179.02	62.00	2.89	12.38	35.74
1936	136.43	62.00	2.20	13.50	29.71
1949	327.51	62.00	5.28	18.83	99.47
1950	86.31	62.00	1.39	19.27	26.83
1956	2,304.64	62.00	37.17	22.05	819.51
1957	1,001.42	62.00	16.15	22.53	363.85
1958	14.45	62.00	0.23	23.01	5.36
1959	36.12	62.00	0.58	23.50	13.69
1960	50.57	62.00	0.82	24.00	19.58
1961	63.87	62.00	1.03	24.51	25.24
1962	2,447.29	62.00	39.47	25.01	987.29
1963	4,232.23	62.00	68.26	25.53	1,742.47
1964	1,262.38	62.00	20.36	26.05	530.29
1965	709.77	62.00	11.45	26.57	304.18
1966	22,092.05	62.00	356.32	27.10	9,656.87
1967	39,490.26	62.00	636.93	27.64	17,603.01
1968	92,198.13	62.00	1,487.04	28.18	41,904.68
1969	314,158.35	62.00	5,066.97	28.73	145,562.81
1970	158,978.69	62.00	2,564.12	29.28	75,078.41
1971	456,539.81	62.00	7,363.40	29.84	219,721.32
1972	833,279.29	62.00	13,439.73	30.40	408,608.22
1973	612,128.82	62.00	9,872.86	30.97	305,798.93
1974	614,861.87	62.00	9,916.94	31.55	312,874.16
1975	597,723.97	62.00	9,640.52	32.13	309,746.38
1976	874,540.17	62.00	14,105.22	32.72	461,473.68
1977	999,472.76	62.00	16,120.22	33.31	536,916.50

SWEPCO
Electric Division

367.00 Underground Conductors and Devices

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 62

Survivor Curve: R1

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1978	1,041,494.80	62.00	16,797.98	33.90	569,532.62
1979	1,423,923.12	62.00	22,966.06	34.51	792,498.08
1980	1,615,101.82	62.00	26,049.53	35.11	914,696.19
1981	1,324,837.02	62.00	21,367.93	35.73	763,404.41
1982	1,558,640.86	62.00	25,138.89	36.34	913,648.20
1983	1,715,915.21	62.00	27,675.52	36.97	1,023,037.20
1984	2,464,895.30	62.00	39,755.61	37.59	1,494,513.70
1985	2,578,604.51	62.00	41,589.60	38.22	1,589,670.99
1986	3,312,326.23	62.00	53,423.59	38.86	2,075,994.08
1987	1,406,624.79	62.00	22,687.06	39.50	896,122.97
1988	2,501,803.84	62.00	40,350.90	40.14	1,619,795.35
1989	1,860,899.70	62.00	30,013.94	40.79	1,224,305.89
1990	1,844,022.84	62.00	29,741.73	41.44	1,232,563.00
1991	2,456,779.50	62.00	39,624.72	42.10	1,668,139.28
1992	2,446,242.15	62.00	39,454.76	42.76	1,686,999.49
1993	3,859,302.42	62.00	62,245.62	43.42	2,702,681.71
1994	3,316,146.33	62.00	53,485.21	44.09	2,357,935.88
1995	1,142,100.83	62.00	18,420.63	44.75	824,388.93
1996	9,616,102.33	62.00	155,095.45	45.43	7,045,343.31
1997	7,946,105.95	62.00	128,160.54	46.10	5,908,270.62
1998	8,320,451.26	62.00	134,198.25	46.78	6,277,386.41
1999	7,365,618.54	62.00	118,798.02	47.46	5,637,799.71
2000	6,741,332.83	62.00	108,729.09	48.14	5,234,133.78
2001	8,436,121.04	62.00	136,063.86	48.82	6,643,082.09
2002	3,212,209.10	62.00	51,808.83	49.51	2,565,077.05
2003	4,170,497.97	62.00	67,264.81	50.20	3,376,627.18
2004	4,397,529.80	62.00	70,926.54	50.89	3,609,541.53

SWEPCO
Electric Division

367.00 Underground Conductors and Devices

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 62

Survivor Curve: R1

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2005	6,782,119.02	62.00	109,386.92	51.59	5,642,817.05
2006	9,391,456.32	62.00	151,472.20	52.28	7,919,331.18
2007	8,447,092.44	62.00	136,240.81	52.98	7,218,400.47
2008	8,794,146.86	62.00	141,838.36	53.68	7,614,537.60
2009	7,992,414.43	62.00	128,907.44	54.39	7,011,393.73
2010	9,907,532.50	62.00	159,795.85	55.10	8,804,747.83
2011	7,722,824.76	62.00	124,559.30	55.81	6,951,813.87
2012	8,906,249.37	62.00	143,646.43	56.53	8,119,888.63
2013	7,366,271.51	62.00	118,808.55	57.25	6,801,259.04
2014	7,151,215.15	62.00	115,339.97	57.97	6,685,906.28
2015	10,036,203.15	62.00	161,871.14	58.69	9,500,641.67
2016	9,882,571.24	62.00	159,393.25	59.42	9,471,266.40
2017	7,708,300.00	62.00	124,325.04	60.15	7,478,620.66
2018	8,284,844.17	62.00	133,623.96	60.89	8,136,384.86
2019	12,671,904.51	62.00	204,381.64	61.63	12,595,947.08
<i>Total</i>	234,750,023.26	62.00	3,786,218.11	51.09	193,450,263.86

Composite Average Remaining Life ... 51.09 Years

SWEPCO
Electric Division
369.00 Services

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 76

Survivor Curve: R1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1951	62,815.28	76.00	826.51	28.15	23,264.23
1952	67,618.48	76.00	889.71	28.67	25,509.23
1953	154,160.47	76.00	2,028.41	29.20	59,237.31
1954	156,484.88	76.00	2,058.99	29.74	61,237.85
1955	75,825.20	76.00	997.69	30.29	30,215.77
1956	103,012.11	76.00	1,355.41	30.84	41,795.30
1957	147,054.57	76.00	1,934.91	31.40	60,748.03
1958	167,834.13	76.00	2,208.32	31.96	70,577.04
1959	206,114.69	76.00	2,712.01	32.53	88,219.85
1960	190,777.42	76.00	2,510.20	33.11	83,108.87
1961	203,966.96	76.00	2,683.75	33.69	90,419.27
1962	221,075.51	76.00	2,908.86	34.28	99,716.17
1963	231,977.65	76.00	3,052.31	34.88	106,457.76
1964	258,512.62	76.00	3,401.45	35.48	120,681.26
1965	221,307.73	76.00	2,911.91	36.09	105,080.87
1966	213,686.35	76.00	2,811.63	36.70	103,192.72
1967	267,742.78	76.00	3,522.90	37.32	131,479.90
1968	283,180.06	76.00	3,726.02	37.95	141,388.77
1969	260,239.78	76.00	3,424.17	38.58	132,101.33
1970	256,584.63	76.00	3,376.08	39.22	132,395.43
1971	392,210.58	76.00	5,160.61	39.86	205,689.20
1972	381,178.54	76.00	5,015.46	40.50	203,147.55
1973	363,206.40	76.00	4,778.98	41.16	196,701.79
1974	379,031.64	76.00	4,987.21	41.82	208,553.53
1975	423,843.03	76.00	5,576.83	42.48	236,905.76
1976	457,285.54	76.00	6,016.86	43.15	259,634.15
1977	496,913.57	76.00	6,538.27	43.82	286,536.04

SWEPCO
Electric Division
369.00 Services

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 76

Survivor Curve: R1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1978	579,877.59	76.00	7,629.89	44.50	339,547.12
1979	533,200.36	76.00	7,015.72	45.19	317,022.60
1980	525,861.81	76.00	6,919.17	45.88	317,418.35
1981	682,225.72	76.00	8,976.56	46.57	418,014.05
1982	649,082.99	76.00	8,540.48	47.27	403,675.23
1983	749,285.85	76.00	9,858.93	47.97	472,908.53
1984	886,203.58	76.00	11,660.46	48.67	567,548.82
1985	665,191.06	76.00	8,752.43	49.38	432,234.70
1986	570,031.94	76.00	7,500.35	50.10	375,758.11
1987	466,201.91	76.00	6,134.17	50.82	311,718.42
1988	518,235.35	76.00	6,818.82	51.54	351,443.28
1989	606,302.78	76.00	7,977.59	52.27	416,959.37
1990	540,747.40	76.00	7,115.03	53.00	377,067.27
1991	1,765,348.45	76.00	23,228.04	53.73	1,248,054.82
1992	512,103.29	76.00	6,738.13	54.47	367,011.06
1993	1,554,028.90	76.00	20,447.55	55.21	1,128,871.64
1994	428,300.23	76.00	5,635.47	55.95	315,314.44
1995	267,948.98	76.00	3,525.61	56.70	199,904.82
1996	1,516,317.55	76.00	19,951.35	57.45	1,146,232.32
1997	1,010,832.69	76.00	13,300.30	58.20	774,142.63
1998	898,739.37	76.00	11,825.40	58.96	697,267.37
1999	1,230,589.74	76.00	16,191.81	59.72	967,036.17
2000	469,156.66	76.00	6,173.05	60.49	373,388.91
2001	931,941.32	76.00	12,262.26	61.25	751,123.28
2002	122,590.57	76.00	1,613.02	62.02	100,046.82
2003	1,702,334.89	76.00	22,398.92	62.80	1,406,590.03
2004	2,685,682.44	76.00	35,337.58	63.57	2,246,566.78

SWEPCO
Electric Division
369.00 Services

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 76

Survivor Curve: R1.5

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2005	3,286,168.04	76.00	43,238.62	64.35	2,782,562.24
2006	3,989,154.67	76.00	52,488.35	65.14	3,418,862.69
2007	3,437,900.08	76.00	45,235.08	65.92	2,981,989.22
2008	3,535,872.99	76.00	46,524.18	66.71	3,103,655.95
2009	4,042,037.22	76.00	53,184.17	67.50	3,590,034.71
2010	11,527,038.86	76.00	151,670.05	68.30	10,358,472.87
2011	4,069,306.06	76.00	53,542.97	69.10	3,699,569.78
2012	4,678,881.54	76.00	61,563.62	69.90	4,303,047.72
2013	6,392,527.41	76.00	84,111.37	70.70	5,946,620.57
2014	3,138,409.93	76.00	41,294.46	71.51	2,952,869.27
2015	3,378,334.77	76.00	44,451.33	72.32	3,214,606.88
2016	3,522,097.49	76.00	46,342.93	73.13	3,389,059.98
2017	3,789,264.23	76.00	49,858.24	73.95	3,686,881.39
2018	3,881,776.31	76.00	51,075.50	74.77	3,818,721.81
2019	4,496,086.47	76.00	59,158.44	75.59	4,471,663.22
<i>Total</i>	96,876,860.09	76.00	1,274,682.84	64.21	81,845,480.24

Composite Average Remaining Life ... 64.21 Years

SWEPCO
Electric Division
370.00 Meters

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 21

Survivor Curve: 02

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1959	34,274.62	20.93	1,637.40	2.18	3,567.78
1960	9,027.69	20.93	431.28	2.66	1,147.08
1961	10,219.52	20.93	488.22	3.14	1,532.18
1962	6,406.18	20.93	306.04	3.61	1,105.82
1963	18,108.47	20.93	865.09	4.08	3,533.18
1964	22,504.81	20.93	1,075.12	4.55	4,892.07
1965	30,267.05	20.93	1,445.94	5.01	7,245.97
1966	20,326.53	20.93	971.06	5.47	5,307.50
1967	27,435.43	20.93	1,310.67	5.91	7,750.57
1968	22,125.97	20.93	1,057.02	6.35	6,716.07
1969	30,171.75	20.93	1,441.39	6.79	9,781.19
1970	30,302.29	20.93	1,447.63	7.21	10,436.50
1971	45,601.12	20.93	2,178.49	7.62	16,605.49
1972	56,078.32	20.93	2,679.02	8.02	21,498.41
1973	53,522.46	20.93	2,556.92	8.42	21,516.98
1974	54,392.89	20.93	2,598.50	8.79	22,849.27
1975	45,227.06	20.93	2,160.62	9.16	19,783.79
1976	63,359.99	20.93	3,026.89	9.50	28,769.30
1977	59,120.13	20.93	2,824.34	9.84	27,780.90
1978	75,898.27	20.93	3,625.88	10.15	36,806.24
1979	88,576.11	20.93	4,231.53	10.45	44,200.97
1980	90,541.16	20.93	4,325.41	10.72	46,368.79
1981	100,767.91	20.93	4,813.97	10.97	52,825.26
1982	113,156.83	20.93	5,405.82	11.21	60,574.79
1983	164,884.70	20.93	7,877.01	11.41	89,899.75
1984	189,171.36	20.93	9,037.25	11.60	104,805.98
1985	240,270.73	20.93	11,478.41	11.76	134,965.30

SWEPCO
Electric Division
370.00 Meters

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 21

Survivor Curve: 02

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
1986	299,734.84	20.93	14,319.18	11.90	170,376.40
1987	346,616.52	20.93	16,558.85	12.02	198,966.50
1988	281,899.21	20.93	13,467.12	12.11	163,152.47
1989	348,689.97	20.93	16,657.91	12.20	203,218.74
1990	416,210.06	20.93	19,883.53	12.27	244,057.22
1991	376,536.66	20.93	17,988.22	12.35	222,074.17
1992	316,609.37	20.93	15,125.33	12.42	187,809.58
1993	572,884.13	20.93	27,368.30	12.50	342,001.92
1994	563,598.28	20.93	26,924.69	12.59	338,967.34
1995	817,597.78	20.93	39,058.96	12.70	496,117.32
1996	440,979.76	20.93	21,066.85	12.84	270,405.58
1997	785,994.57	20.93	37,549.19	12.99	487,924.87
1998	380,232.26	20.93	18,164.77	13.18	239,389.89
1999	764,060.43	20.93	36,501.33	13.39	488,721.18
2000	792,258.78	20.93	37,848.45	13.62	515,646.67
2001	824,050.78	20.93	39,367.24	13.88	546,500.61
2002	1,329,002.30	20.93	63,490.20	14.16	899,127.55
2003	515,994.81	20.93	24,650.53	14.46	356,463.51
2004	997,238.89	20.93	47,640.93	14.78	703,995.37
2005	888,504.49	20.93	42,446.38	15.11	641,328.50
2006	1,715,455.35	20.93	81,952.16	15.46	1,266,574.27
2007	2,090,304.79	20.93	99,859.78	15.81	1,579,107.52
2008	2,161,624.60	20.93	103,266.93	16.18	1,671,105.84
2009	1,762,112.84	20.93	84,181.12	16.56	1,394,146.42
2010	6,331,643.94	20.93	302,480.56	16.95	5,126,696.59
2011	1,581,030.11	20.93	75,530.29	17.34	1,310,013.23
2012	3,291,245.50	20.93	157,232.12	17.75	2,790,333.15

SWEPCO
Electric Division
370.00 Meters

Original Cost Of Utility Plant In Service
And Development Of Composite Remaining Life as of December 31, 2019
Based Upon Broad Group/Remaining Life Procedure and Technique

Average Service Life: 21

Survivor Curve: 02

<i>Year</i>	<i>Original Cost</i>	<i>Avg. Service Life</i>	<i>Avg. Annual Accrual</i>	<i>Avg. Remaining Life</i>	<i>Future Annual Accruals</i>
<i>(1)</i>	<i>(2)</i>	<i>(3)</i>	<i>(4)</i>	<i>(5)</i>	<i>(6)</i>
2013	15,391,677.98	20.93	735,304.05	18.16	13,349,656.86
2014	6,512,477.23	20.93	311,119.48	18.57	5,777,402.28
2015	10,465,034.88	20.93	499,944.36	18.99	9,493,628.20
2016	13,051,431.08	20.93	623,503.83	19.41	12,104,567.52
2017	2,269,528.44	20.93	108,421.80	19.84	2,151,370.33
2018	2,873,968.52	20.93	137,297.62	20.28	2,783,783.36
2019	2,516,951.63	20.93	120,241.91	20.71	2,490,505.81
<i>Total</i>	85,774,920.13	20.93	4,097,710.87	17.52	71,797,403.91

Composite Average Remaining Life ... 17.52 Years

CD ATTACHED

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