



Control Number: 51415



Item Number: 1

Addendum StartPage: 0

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 357 UNDERGROUND CONDUIT**

Placement Band 1999 to 2019  
Observation Band 1999 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
0	3,826,324	0.00	0.0000	1.0000	100.00
0.5	2,849,886	0.00	0.0000	1.0000	100.00
1.5	98,886	0.00	0.0000	1.0000	100.00
2.5	3,700	0.00	0.0000	1.0000	100.00
3.5	3,700	0.00	0.0000	1.0000	100.00
4.5	3,700	0.00	0.0000	1.0000	100.00
5.5	3,700	0.00	0.0000	1.0000	100.00
6.5	3,700	0.00	0.0000	1.0000	100.00
7.5	3,700	0.00	0.0000	1.0000	100.00
8.5	3,700	0.00	0.0000	1.0000	100.00
9.5	3,700	0.00	0.0000	1.0000	100.00
10.5	3,700	0.00	0.0000	1.0000	100.00
11.5	3,700	0.00	0.0000	1.0000	100.00
12.5	3,700	0.00	0.0000	1.0000	100.00
13.5	3,700	0.00	0.0000	1.0000	100.00
14.5	3,700	0.00	0.0000	1.0000	100.00
15.5	3,700	0.00	0.0000	1.0000	100.00
16.5	3,700	0.00	0.0000	1.0000	100.00
17.5	3,700	0.00	0.0000	1.0000	100.00
18.5	3,700	0.00	0.0000	1.0000	100.00
19.5	3,700	0.00	0.0000	1.0000	100.00
20.5	0	0.00	0.0000	0.0000	100.00

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 358 UNDERGROUND CONDUCTOR AND DEVICES**

Placement Band 1996 to 2019  
Observation Band 1996 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
0	170,550	0.00	0.0000	1.0000	100.00
0.5	159,647	0.00	0.0000	1.0000	100.00
1.5	90,695	0.00	0.0000	1.0000	100.00
2.5	83,212	0.00	0.0000	1.0000	100.00
3.5	83,212	0.00	0.0000	1.0000	100.00
4.5	83,212	0.00	0.0000	1.0000	100.00
5.5	83,212	0.00	0.0000	1.0000	100.00
6.5	83,212	0.00	0.0000	1.0000	100.00
7.5	83,212	0.00	0.0000	1.0000	100.00
8.5	83,212	0.00	0.0000	1.0000	100.00
9.5	83,212	45,774.46	0.5501	0.4499	100.00
10.5	37,437	37,142.50	0.9921	0.0079	44.99
11.5	295	0.00	0.0000	1.0000	0.35
12.5	295	0.00	0.0000	1.0000	0.35
13.5	295	0.00	0.0000	1.0000	0.35
14.5	295	0.00	0.0000	1.0000	0.35
15.5	295	0.00	0.0000	1.0000	0.35
16.5	295	0.00	0.0000	1.0000	0.35
17.5	295	0.00	0.0000	1.0000	0.35
18.5	295	0.00	0.0000	1.0000	0.35
19.5	295	0.00	0.0000	1.0000	0.35
20.5	295	0.00	0.0000	1.0000	0.35
21.5	295	0.00	0.0000	1.0000	0.35
22.5	295	0.00	0.0000	1.0000	0.35
23.5	0	0.00	0.0000	0.0000	0.35

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 359 ROADS AND TRAILS**

Placement Band 1997 to 2019  
Observation Band 1997 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
0	131,948	0.00	0.0000	1.0000	100.00
0.5	131,948	0.00	0.0000	1.0000	100.00
1.5	131,948	0.00	0.0000	1.0000	100.00
2.5	131,948	0.00	0.0000	1.0000	100.00
3.5	131,948	0.00	0.0000	1.0000	100.00
4.5	131,948	0.00	0.0000	1.0000	100.00
5.5	131,948	0.00	0.0000	1.0000	100.00
6.5	131,948	0.00	0.0000	1.0000	100.00
7.5	131,948	0.00	0.0000	1.0000	100.00
8.5	131,948	0.00	0.0000	1.0000	100.00
9.5	131,948	0.00	0.0000	1.0000	100.00
10.5	131,948	0.00	0.0000	1.0000	100.00
11.5	131,948	0.00	0.0000	1.0000	100.00
12.5	131,948	0.00	0.0000	1.0000	100.00
13.5	131,948	0.00	0.0000	1.0000	100.00
14.5	131,948	0.00	0.0000	1.0000	100.00
15.5	131,948	0.00	0.0000	1.0000	100.00
16.5	131,948	0.00	0.0000	1.0000	100.00
17.5	131,948	0.00	0.0000	1.0000	100.00
18.5	131,948	0.00	0.0000	1.0000	100.00
19.5	131,948	0.00	0.0000	1.0000	100.00
20.5	131,948	0.00	0.0000	1.0000	100.00
21.5	131,948	1.00	0.0000	1.0000	100.00
22.5	0	0.00	0.0000	0.0000	100.00

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**DEPRECIATION STUDY AS OF DECEMBER 31, 2019**  
**SALVAGE AND REMOVAL ANALYSIS**  
**TRANSMISSION PLANT**

**Southwestern Electric Power Company  
Net Salvage Analysis - Transmission Plant  
Depreciation Study as of December 31, 2019**

**Account 350, Land Rights**

Year	Retirements	Salvage			Removal			Net Salvg		
		Amount	%	10 Yr. Avg	Amount	%	10 Yr Avg	Amt	%	10 Yr Avg
1984	441	22	4.99		0	0.00		22	4.99	
1985	41,489	20,842	50.24		598	1.44		20,244	48.79	
1986	28,198	0	0.00		4,115	14.59		-4,115	-14.59	
1987	19	0	0.00		0	0.00		0	0.00	
1988	0	0	0.00		0	0.00		0	0.00	
1989	0	0	0.00		0	0.00		0	0.00	
1990	1,086	207	19.06		1,231	113.35		-1,024	-94.29	
1991	0	0	0.00		0	0.00		0	0.00	
1992	0	0	0.00		0	0.00		0	0.00	
1993	0	0	0.00	29.58	0	0.00	8.34	0	0.00	21.24
1994	0	0	0.00	29.73	0	0.00	8.40	0	0.00	21.34
1995	0	0	0.00	0.71	0	0.00	18.24	0	0.00	-17.54
1996	0	0	0.00	18.73	0	0.00	111.40	0	0.00	-92.67
1997	0	0	0.00	19.06	0	0.00	113.35	0	0.00	-94.29
1998	0	0	0.00	19.06	0	0.00	113.35	0	0.00	-94.29
1999	264	0	0.00	15.33	0	0.00	91.19	0	0.00	-75.86
2000	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2001	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2002	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2003	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2004	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2005	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2006	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2007	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2008	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2009	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2010	281	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2011	126	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2012	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2013	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2014	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2015	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2016	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2017	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2018	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2019	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
	<b>71,904</b>	<b>21,071</b>	<b>29.30</b>		<b>5,944</b>	<b>8.27</b>		<b>15,127</b>	<b>21.04</b>	

Historical retirements from this account are minor. The ten year analysis indicates that a 0% gross salvage, a 0% gross removal and a 0% net salvage continues to be appropriate.

**Southwestern Electric Power Company  
Net Salvage Analysis - Transmission Plant  
Depreciation Study as of December 31, 2019**

**Account 352, Structures and Improvements**

Year	Retirements	Salvage			Removal Amount	Removal %	Removal 10 Yr Avg	Net Salvg Amt	Net Salvg %	Net Salvg 10 Yr Avg
		Salvage Amount	Salvage %	10 Yr. Avg						
1985	3,234	2,023	62.55		222	6.86		1,801	55.69	
1986	1,777	0	0.00		73	4.11		-73	-4.11	
1987	2,701	43	1.59		318	11.77		-275	-10.18	
1988	0	0	0.00		0	0.00		0	0.00	
1989	1,349	0	0.00		570	42.25		-570	-42.25	
1990	0	0	0.00		0	0.00		0	0.00	
1991	0	0	0.00		0	0.00		0	0.00	
1992	0	0	0.00		0	0.00		0	0.00	
1993	5,928	138	2.33		1,114	18.79		-976	-16.46	
1994	0	0	0.00	14.70	0	0.00	15.32	0	0.00	-0.62
1995	0	0	0.00	1.54	0	0.00	17.65	0	0.00	-16.11
1996	0	0	0.00	1.81	0	0.00	20.06	0	0.00	-18.25
1997	0	0	0.00	1.90	0	0.00	23.14	0	0.00	-21.25
1998	1,209	0	0.00	1.63	24	1.98	20.13	-24	-1.98	-18.50
1999	0	0	0.00	1.93	0	0.00	15.94	0	0.00	-14.01
2000	0	0	0.00	1.93	0	0.00	15.94	0	0.00	-14.01
2001	100	0	0.00	1.91	2	2.26	15.75	-2	-2.26	-13.85
2002	0	0	0.00	1.91	0	0.00	15.75	0	0.00	-13.85
2003	0	0	0.00	0.00	0	0.00	2.00	0	0.00	-2.00
2004	0	0	0.00	0.00	0	0.00	2.00	0	0.00	-2.00
2005	0	0	0.00	0.00	0	0.00	2.00	0	0.00	-2.00
2006	0	0	0.00	0.00	0	0.00	2.00	0	0.00	-2.00
2007	378	0	0.00	0.00	0	0.00	1.55	0	0.00	-1.55
2008	21,966	0	0.00	0.00	4,007	18.24	17.86	-4,007	-18.24	-17.86
2009	0	0	0.00	0.00	0	0.00	17.86	0	0.00	-17.86
2010	6,028	0	0.00	0.00	0	0.00	14.08	0	0.00	-14.08
2011	40,798	0	0.00	0.00	0	0.00	5.79	0	0.00	-5.79
2012	3,028	0	0.00	0.00	749	24.75	6.59	-749	-24.75	-6.59
2013	0	0	0.00	0.00	0	0.00	6.59	0	0.00	-6.59
2014	0	0	0.00	0.00	0	0.00	6.59	0	0.00	-6.59
2015	0	0	0.00	0.00	0	0.00	6.59	0	0.00	-6.59
2016	0	0	0.00	0.00	0	0.00	6.59	0	0.00	-6.59
2017	34,043	21	0.06	0.02	21,497	63.15	24.80	-21,476	-63.08	-24.78
2018	153,184	472	0.31	0.21	27,006	17.63	20.77	-26,533	-17.32	-20.57
2019	<u>106,855</u>	<u>156</u>	<u>0.15</u>	<u>0.19</u>	<u>4,601</u>	<u>4.31</u>	<u>15.66</u>	<u>-4,444</u>	<u>-4.16</u>	<u>-15.47</u>
	<b>382,578</b>	<b>2,854</b>	<b>0.75</b>		<b>60,182</b>	<b>15.73</b>		<b>-57,328</b>	<b>-14.98</b>	

Net salvage factors have historically been negative for account 352. Since the 2017 and 2018 removal amounts are higher than most months, the recommendation is to use the 10 year average from 2016 which produces a gross salvage factor of 0% and a 7% gross removal yielding a -7% net salvage to acknowledge that the cost of removal has increased in recent years.

**Southwestern Electric Power Company  
Net Salvage Analysis - Transmission Plant  
Depreciation Study as of December 31, 2019**

**Account 353, Station Equipment**

Year	Retirements	Salvage			Removal			Net Salvg Amt	Net Salvg %	Net Salvg 10 Yr Avg
		Salvage Amount	Salvage %	10 Yr. Avg	Amount	%	10 Yr Avg			
1984	265,445	23,559	8.88		67,203	25.32		-43,644	-16.44	
1985	341,443	90,887	26.62		53,453	15.66		37,434	10.96	
1986	450,859	177,444	39.36		59,578	13.21		117,866	26.14	
1987	102,906	40,501	39.36		22,932	22.28		17,569	17.07	
1988	151,139	28,082	18.58		30,579	20.23		-2,497	-1.65	
1989	471,995	31,634	6.70		70,325	14.90		-38,691	-8.20	
1990	213,118	125,570	58.92		60,504	28.39		65,066	30.53	
1991	394,193	111,377	28.25		83,508	21.18		27,869	7.07	
1992	350,224	118,349	33.79		94,578	27.01		23,771	6.79	
1993	284,095	32,524	11.45	25.78	102,078	35.93	21.31	-69,554	-24.48	4.47
1994	1,280,945	61,626	4.81	20.24	222,864	17.40	19.81	-161,238	-12.59	0.44
1995	0	0	0.00	19.65	0	0.00	20.19	0	0.00	-0.54
1996	34,255	62	0.18	16.75	3,621	10.57	21.05	-3,559	-10.39	-4.30
1997	509,200	21,558	4.23	14.39	21,272	4.18	18.69	286	0.06	-4.30
1998	951,303	2,670	0.28	11.26	18,804	1.98	15.09	-16,134	-1.70	-3.84
1999	798,425	4,931	0.62	9.94	53,226	6.67	13.71	-48,294	-6.05	-3.77
2000	1,731,490	2,114	0.12	5.61	22,430	1.30	9.83	-20,316	-1.17	-4.22
2001	586,603	0	0.00	3.74	55,608	9.48	9.11	-55,608	-9.48	-5.37
2002	413,115	0	0.00	1.90	162,471	39.33	10.05	-162,471	-39.33	-8.15
2003	45,855	0	0.00	1.46	34,059	74.28	9.36	-34,059	-74.28	-7.89
2004	1,345,533	1,945	0.14	0.52	192,127	14.28	8.78	-190,182	-14.13	-8.27
2005	431,903	0	0.00	0.49	119,613	27.69	9.98	-119,613	-27.69	-9.49
2006	774,667	0	0.00	0.44	279,181	36.04	12.64	-279,181	-36.04	-12.20
2007	1,202,697	196,899	16.37	2.52	238,667	19.84	14.20	-41,767	-3.47	-11.68
2008	1,066,910	74,184	6.95	3.34	177,878	16.67	15.90	-103,694	-9.72	-12.57
2009	1,111,093	36,374	3.27	3.58	296,428	26.68	18.12	-260,054	-23.41	-14.55
2010	1,191,911	113,387	9.51	5.17	226,211	18.98	21.81	-112,824	-9.47	-16.64
2011	4,539,491	3,288	0.07	3.51	246,084	5.42	16.27	-242,796	-5.35	-12.76
2012	1,388,993	387,628	27.91	6.21	401,698	28.92	16.89	-14,070	-1.01	-10.67
2013	1,495,065	21,859	1.46	5.74	339,411	22.70	17.30	-317,552	-21.24	-11.56
2014	2,813,179	189,193	6.73	6.39	415,875	14.78	17.11	-226,682	-8.06	-10.73
2015	1,070,787	238,309	22.26	7.57	341,130	31.86	17.79	-102,821	-9.60	-10.22
2016	1,539,549	354,713	23.04	9.28	735,572	47.78	19.63	-380,860	-24.74	-10.35
2017	12,236,960	16,739	0.14	5.05	297,944	2.43	12.22	-281,204	-2.30	-7.18
2018	3,892,065	137,016	3.52	4.79	793,937	20.40	13.09	-656,921	-16.88	-8.30
2019	<u>3,600,478</u>	<u>20,577</u>	<u>0.57</u>	<u>4.39</u>	<u>545,058</u>	<u>15.14</u>	<u>12.86</u>	<u>-524,482</u>	<u>-14.57</u>	<u>-8.47</u>
	<b>49,077,890</b>	<b>2,664,999</b>	<b>5.43</b>		<b>6,885,906</b>	<b>14.03</b>		<b>-4,220,907</b>	<b>-8.60</b>	

Net salvage factors have historically been negative for account 353. History indicates that the net salvage parameters should be changed to use a gross salvage factor of 5% and a 14% gross removal yielding a -9% net salvage.



**Southwestern Electric Power Company  
Net Salvage Analysis - Transmission Plant  
Depreciation Study as of December 31, 2019**

**Account 354, Towers and Fixtures**

Year	Retirements	Salvage			Removal			Net Salvg Amt	Net Salvg %	Net Salvg 10 Yr Avg
		Salvage Amount	Salvage %	10 Yr. Avg	Amount	%	10 Yr Avg			
1984	14,237	4,282	30.08		5,419	38.06		-1,137	-7.99	
1985	10,893	4,373	40.15		10,797	99.12		-6,424	-58.97	
1986	25,315	4,083	16.13		14,173	55.99		-10,090	-39.86	
1987	0	0	0.00		0	0.00		0	0.00	
1988	38,849	4,787	12.32		30,495	78.50		-25,708	-66.17	
1989	0	0	0.00		0	0.00		0	0.00	
1990	0	0	0.00		0	0.00		0	0.00	
1991	0	0	0.00		0	0.00		0	0.00	
1992	0	0	0.00		0	0.00		0	0.00	
1993	0	0	0.00	19.63	0	0.00	68.18	0	0.00	-48.56
1994	0	0	0.00	17.64	0	0.00	73.90	0	0.00	-56.25
1995	0	0	0.00	13.82	0	0.00	69.62	0	0.00	-55.79
1996	368	36	9.78	12.30	82	22.28	77.97	-46	-12.50	-65.67
1997	0	0	0.00	12.30	0	0.00	77.97	0	0.00	-65.67
1998	0	0	0.00	9.78	0	0.00	22.28	0	0.00	-12.50
1999	58,179	0	0.00	0.06	1,141	1.96	2.09	-1,141	-1.96	-2.03
2000	0	0	0.00	0.06	0	0.00	2.09	0	0.00	-2.03
2001	95,103	1,353	1.42	0.90	2,865	3.01	2.66	-1,512	-1.59	-1.76
2002	1	0	0.00	0.90	0	0.00	2.66	0	0.00	-1.76
2003	1	0	0.00	0.90	0	0.00	2.66	0	0.00	-1.76
2004	20,330	0	0.00	0.80	6,087	29.94	5.85	-6,087	-29.94	-5.05
2005	44,506	0	0.00	0.64	40,413	90.80	23.15	-40,413	-90.80	-22.52
2006	4	0	0.00	0.62	0	0.00	23.15	0	0.00	-22.53
2007	0	0	0.00	0.62	0	0.00	23.15	0	0.00	-22.53
2008	30,688	0	0.00	0.54	22,363	72.87	29.29	-22,363	-72.87	-28.74
2009	0	0	0.00	0.71	0	0.00	37.63	0	0.00	-36.92
2010	457,168	0	0.00	0.21	0	0.00	11.07	0	0.00	-10.86
2011	92,908	0	0.00	0.00	0	0.00	10.67	0	0.00	-10.67
2012	108,957	0	0.00	0.00	46,500	42.68	15.29	-46,500	-42.68	-15.29
2013	1	0	0.00	0.00	0	0.00	15.29	0	0.00	-15.29
2014	39,151	0	0.00	0.00	0	0.00	14.13	0	0.00	-14.13
2015	476,736	0	0.00	0.00	44,776	9.39	9.43	-44,776	-9.39	-9.43
2016	308,495	0	0.00	0.00	217,950	70.65	21.90	-217,950	-70.65	-21.90
2017	254,488	44,200	17.37	2.50	77,174	30.33	23.11	-32,974	-12.96	-20.61
2018	183,090	0	0.00	2.30	0	0.00	20.11	0	0.00	-17.81
2019	<u>594,399</u>	<u>0</u>	0.00	1.76	<u>49,766</u>	8.37	17.34	<u>-49,766</u>	-8.37	-15.58
	<b>2,853,866</b>	<b>63,114</b>	<b>2.21</b>		<b>570,001</b>	<b>19.97</b>		<b>-506,887</b>	<b>-17.76</b>	

Net salvage factors have historically been negative for account 354. Account history indicates that the net salvage parameters should be changed to use a gross salvage factor of 2% and a 20% gross removal yielding a -18% net salvage.

**Southwestern Electric Power Company  
Net Salvage Analysis - Transmission Plant  
Depreciation Study as of December 31, 2019**

**Account 355, Poles and Fixtures**

Year	Retirements	Salvage			10 Yr. Avg	Removal			Net Salvg Amt	Net Salvg %	Net Salvg 10 Yr Avg
		Salvage Amount	Salvage %	10 Yr. Avg		Amount	Removal %	Removal 10 Yr Avg			
1984	288,714	61,031	21.14			266,878	92.44		-205,847	-71.30	
1985	529,313	303,539	57.35			158,950	30.03		144,589	27.32	
1986	137,583	89,702	65.20			119,882	87.13		-30,180	-21.94	
1987	274,424	23,599	8.60			296,399	108.01		-272,800	-99.41	
1988	260,461	175,315	67.31			195,275	74.97		-19,960	-7.66	
1989	264,974	34,474	13.01			271,927	102.62		-237,453	-89.61	
1990	414,949	194,758	46.94			240,156	57.88		-45,398	-10.94	
1991	572,257	22,138	3.87			429,640	75.08		-407,502	-71.21	
1992	551,667	40,796	7.40			596,441	108.12		-555,645	-100.72	
1993	614,796	52,386	8.52	25.52		618,412	100.59	81.71	-566,026	-92.07	-56.18
1994	484,151	1,080	0.22	22.85		215,241	44.46	76.56	-214,161	-44.23	-53.71
1995	600	0	0.00	17.74		0	0.00	83.43	0	0.00	-65.69
1996	462,070	6,675	1.44	14.13		201,686	43.65	78.59	-195,011	-42.20	-64.45
1997	652,022	4,408	0.68	12.44		405,484	62.19	74.20	-401,076	-61.51	-61.76
1998	215,859	969	0.45	8.45		47,268	21.90	71.49	-46,299	-21.45	-63.04
1999	174,029	52	0.03	7.80		3,415	1.96	66.57	-3,363	-1.93	-58.77
2000	364,526	508	0.14	3.15		2,496	0.68	61.59	-1,989	-0.55	-58.43
2001	309,296	23,654	7.65	3.41		21,565	6.97	55.16	2,089	0.68	-51.75
2002	499,705	0	0.00	2.38		661,349	132.35	57.64	-661,349	-132.35	-55.26
2003	624,466	3,404	0.55	1.08		774,615	124.04	61.61	-771,211	-123.50	-60.54
2004	1,130,233	5,419	0.48	1.02		814,153	72.03	66.14	-808,734	-71.55	-65.13
2005	417,398	0	0.00	0.93		308,294	73.86	66.82	-308,294	-73.86	-65.89
2006	617,468	-637	-0.10	0.75		729,354	118.12	75.28	-729,991	-118.22	-74.53
2007	306,122	22,364	7.31	1.20		501,572	163.85	82.94	-479,208	-156.54	-81.74
2008	2,501,761	31,349	1.25	1.24		1,141,598	45.63	71.40	-1,110,248	-44.38	-70.16
2009	735,370	37,487	5.10	1.65		690,123	93.85	75.20	-652,636	-88.75	-73.56
2010	1,457,050	0	0.00	1.43		844,354	57.95	75.44	-844,354	-57.95	-74.01
2011	1,993,601	1,244	0.06	0.98		597,722	29.98	68.69	-596,478	-29.92	-67.71
2012	1,454,265	60,159	4.14	1.43		1,107,131	76.13	66.82	-1,046,972	-71.99	-65.39
2013	2,866,758	-1,380	-0.05	1.16		1,266,448	44.18	59.35	-1,267,827	-44.23	-58.20
2014	2,145,715	255	0.01	1.04		1,242,709	57.92	58.15	-1,242,454	-57.90	-57.11
2015	872,955	-4,213	-0.48	0.98		1,804,915	206.76	66.39	-1,809,127	-207.24	-65.41
2016	3,049,968	0	0.00	0.85		1,319,280	43.26	60.49	-1,319,280	-43.26	-59.65
2017	4,162,134	14,528	0.35	0.66		2,627,980	63.14	59.52	-2,613,452	-62.79	-58.87
2018	6,141,835	62,527	1.02	0.69		4,932,802	80.31	66.05	-4,870,274	-79.30	-65.37
2019	<u>4,876,841</u>	<u>4,722</u>	0.10	0.48		<u>2,975,019</u>	61.00	64.50	<u>-2,970,297</u>	-60.91	-64.02
	<b>42,425,335</b>	<b>1,272,312</b>	<b>3.00</b>			<b>28,430,530</b>	<b>67.01</b>		<b>-27,158,218</b>	<b>-64.01</b>	

Net salvage factors have historically been negative for account 355. Account history indicates that the net salvage parameters should be changed to use a gross salvage factor of 3% and a 67% gross removal yielding a -64% net salvage.

**Southwestern Electric Power Company  
Net Salvage Analysis - Transmission Plant  
Depreciation Study as of December 31, 2019**

**Account 356, Overhead Conductors and Devices**

Year	Retirements	Salvage Amount	Salvage %	Salvage 10 Yr. Avg	Removal Amount	Removal %	Removal 10 Yr Avg	Net Salvg Amt	Net Salvg %	Net Salvg 10 Yr Avg
1984	310,418	67,927	21.88		237,370	76.47		-169,443	-54.59	
1985	928,050	477,675	51.47		188,616	20.32		289,059	31.15	
1986	70,504	127,864	181.36		79,520	112.79		48,344	68.57	
1987	113,166	9,028	7.98		87,083	76.95		-78,055	-68.97	
1988	311,237	296,380	95.23		155,382	49.92		140,998	45.30	
1989	89,152	22,702	25.46		55,617	62.38		-32,915	-36.92	
1990	223,704	150,352	67.21		79,570	35.57		70,782	31.64	
1991	563,436	15,369	2.73		326,709	57.99		-311,340	-55.26	
1992	155,551	24,413	15.69		154,981	99.63		-130,568	-83.94	
1993	338,717	54,213	16.01	40.14	359,186	106.04	55.54	-304,973	-90.04	-15.40
1994	403,904	9,474	2.35	37.14	39,693	9.83	47.74	-30,219	-7.48	-10.60
1995	0	0	0.00	31.28	0	0.00	58.95	0	0.00	-27.67
1996	504,722	7,059	1.40	21.79	230,861	45.74	55.08	-223,802	-44.34	-33.29
1997	483,529	4,090	0.85	19.00	356,374	73.70	57.20	-352,284	-72.86	-38.20
1998	65,008	4,342	6.68	10.33	14,236	21.90	57.19	-9,894	-15.22	-46.87
1999	173,256	25	0.01	9.25	3,399	1.96	53.75	-3,375	-1.95	-44.50
2000	83,700	118	0.14	4.30	573	0.68	53.61	-456	-0.54	-49.31
2001	136,327	0	0.00	4.42	11,320	8.30	49.93	-11,320	-8.30	-45.50
2002	680,302	0	0.00	2.76	419,595	61.68	50.02	-419,595	-61.68	-47.25
2003	148,287	2,279	1.54	1.02	138,361	93.31	45.33	-136,082	-91.77	-44.31
2004	456,293	0	0.00	0.66	222,428	48.75	51.15	-222,428	-48.75	-50.50
2005	50,743	0	0.00	0.64	208,599	411.09	57.72	-208,599	-411.09	-57.07
2006	294,101	0	0.00	0.42	71,146	24.19	56.23	-71,146	-24.19	-55.81
2007	466,612	39,693	8.51	1.82	236,942	50.78	51.93	-197,249	-42.27	-50.11
2008	918,267	13,425	1.46	1.63	97,409	10.61	41.37	-83,984	-9.15	-39.74
2009	86,323	33,265	38.54	2.67	189,762	219.83	48.06	-156,497	-181.29	-45.39
2010	1,127,003	0	0.00	2.03	171,792	15.24	40.50	-171,792	-15.24	-38.46
2011	329,827	2	0.00	1.95	163,048	49.43	42.11	-163,046	-49.43	-40.16
2012	507,285	27,444	5.41	2.65	216,467	42.67	39.13	-189,023	-37.26	-36.49
2013	728,972	0	0.00	2.29	1,012,564	138.90	52.16	-1,012,564	-138.90	-49.87
2014	606,322	0	0.00	2.23	348,457	57.47	53.10	-348,457	-57.47	-50.87
2015	145,430	76,647	52.70	3.66	402,414	276.71	55.85	-325,767	-224.00	-52.20
2016	329,475	0	0.00	3.63	304,118	92.30	59.92	-304,118	-92.30	-56.29
2017	1,501,402	23,278	1.55	2.77	270,565	18.02	50.58	-247,287	-16.47	-47.81
2018	1,571,753	5,078	0.32	2.39	1,697,673	108.01	68.89	-1,692,594	-107.69	-66.50
2019	<u>1,366,071</u>	<u>5,138</u>	<u>0.38</u>	<u>1.68</u>	<u>1,564,498</u>	<u>114.53</u>	<u>74.90</u>	<u>-1,559,360</u>	<u>-114.15</u>	<u>-73.22</u>
	<b>16,268,850</b>	<b>1,497,280</b>	<b>9.20</b>		<b>10,116,327</b>	<b>62.18</b>		<b>-8,619,047</b>	<b>-52.98</b>	

Net salvage factors have historically been negative for account 356. The account history indicates that the net salvage parameters should be changed to use a gross salvage factor of 9% and a 62% gross removal yielding a -53% net salvage.

**Southwestern Electric Power Company  
Net Salvage Analysis - Transmission Plant  
Depreciation Study as of December 31, 2019**

**Account 357, Underground Conduit**

Year	Retirements	Salvage			Removal			Net Salvg		
		Amount	%	10 Yr. Avg	Amount	%	10 Yr Avg	Amt	%	10 Yr Avg
2009	10	1	10 00		1	10 00		0	0.00	
2010	0	0	0 00		0	0 00		0	0 00	
2011	0	0	0 00		0	0 00		0	0 00	
2012	0	0	0 00		0	0 00		0	0 00	
2013	0	0	0 00		0	0 00		0	0 00	
2014	0	0	0 00		0	0.00		0	0 00	
2015	0	0	0 00		0	0.00		0	0.00	
2016	0	0	0.00		0	0.00		0	0.00	
2017	0	0	0 00		0	0.00		0	0.00	
2018	0	0	0 00	0 00	0	0.00	0.00	0	0.00	0 00
2019	0	0	0 00	0 00	0	0.00	0.00	0	0 00	0 00

There have been minimal historical retirements, salvage and removal amounts recorded to this account. Therefore, the recommendation to continue to use a 0% gross salvage, a 0% gross removal and a 0% net salvage.

**Southwestern Electric Power Company  
Net Salvage Analysis - Transmission Plant  
Depreciation Study as of December 31, 2019**

**Account 358, Underground Conductors and Devices**

Year	Retirements	Salvage			Removal Amount	Removal %	Removal 10 Yr Avg	Net Salvg Amt	Net Salvg %	Net Salvg 10 Yr Avg
		Salvage Amount	Salvage %	10 Yr. Avg						
2012	82,917	0	0.00		0	0.00		0	0.00	
2013	0	0	0.00		0	0.00		-11,548	0.00	
2014	0	0	0.00		0	0.00		0	0.00	
2015	0	0	0.00		0	0.00		0	0.00	
2016	0	0	0.00		0	0.00		0	0.00	
2017	0	0	0.00		0	0.00		0	0.00	
2018	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2019	<u>0</u>	<u>0</u>	0.00	0.00	<u>0</u>	0.00	0.00	<u>0</u>	0.00	0.00
	<b>82,917</b>	<b>0</b>	<b>0.00</b>		<b>0</b>	<b>0.00</b>		<b>-11,548</b>	<b>0.00</b>	

There have been minimal historical retirements, salvage and removal amounts recorded to this account. Therefore, the recommendation to continue to use a 0% gross salvage, a 0% gross removal and a 0% net salvage.

**Southwestern Electric Power Company  
Net Salvage Analysis - Transmission Plant  
Depreciation Study as of December 31, 2019**

**Account 359, Roads and Trails**

Year	Retirements	Salvage			Removal Amount	Removal %	Removal 10 Yr Avg	Net Salvg Amt	Net Salvg %	Net Salvg 10 Yr Avg
		Salvage Amount	Salvage %	10 Yr. Avg						
2009	10	1	10.00		1	10.00		0	0.00	
2010	0	0	0.00		0	0.00		0	0.00	
2011	0	0	0.00		0	0.00		0	0.00	
2012	0	0	0.00		0	0.00		0	0.00	
2013	0	0	0.00		0	0.00		0	0.00	
2014	0	0	0.00		0	0.00		0	0.00	
2015	0	0	0.00		0	0.00		0	0.00	
2016	0	0	0.00		0	0.00		0	0.00	
2017	0	0	0.00		0	0.00		0	0.00	
2018	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2019	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00

There have been minimal historical retirements, salvage and removal amounts recorded to this account. Therefore, the recommendation to continue to use a 0% gross salvage, a 0% gross removal and a 0% net salvage.

**SOUTHWESTERN ELECTRIC POWER COMPANY**

**DEPRECIATION STUDY AS OF DECEMBER 31, 2019**

**DISTRIBUTION PLANT WORK PAPERS**

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<b><i>Account</i></b>	<b><u>3601 LAND RIGHTS</u></b>	
Depreciable Balance	\$3,593,142	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	60	60
Iowa Curve	R4.0	R4.0
Gross Removal, %	0	0
Gross Salvage, %	0	0
Net Salvage %	0	0

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This account includes land rights and easements associated with distribution property or distribution substations.

Minimal retirement activity in this account provided insufficient data for analysis.

The average age of property in this account is 32.10 years.

The recommendation for this study is that we continue to use the R4.0 type Iowa curve with an average service life of 60 years.

Since there is little retirement history for this account, the recommendation is to continue the current estimates of 0% gross salvage and 0% gross removal. The result is 0% net salvage.



**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<b><i>Account</i></b>	<b><u>361 STRUCTURES &amp; IMPROVEMENTS</u></b>	
Depreciable Balance	\$9,551,154	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	70	75
Iowa Curve	R3.0	R3.0
Gross Removal, %	11	11
Gross Salvage, %	0	0
Net Salvage %	-11	-11
N/A = not available		

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This account includes structures and improvements related to a substation and contains items like the foundation, fencing and any buildings found in the station.

The average age of property in this account is 13.53 years.

The analysis for the property in this account indicates a R3.0 type Iowa curve should be retained with a change to use an average service life of 75 years.

The net salvage activity in this account supports continued use of a -11% net salvage with a gross salvage of 0% and a gross removal of 11%.

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<i>Account</i>	<b><u>362 STATION EQUIPMENT</u></b>	
Depreciable Balance	\$331,732,959	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	55	57
Iowa Curve	S0.5	S0.5
Gross Removal, %	21	22
Gross Salvage, %	5	6
Net Salvage %	-16	-16
N/A = not available		

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This account contains a variety of distribution substation equipment such as transformers and switchgear.

The average age of property in this account is 14.46 years.

The results of the life analysis indicate that the average service life for this account should be cahnged to 57 years using the same S0.5 curve that is currently approved in rates.

The net salvage activity in this account supports the same -16% net salvage by changing gross salvage to 6% and gross removal of 22%.

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<b><i>Account</i></b>	<b><u>364 POLES, TOWERS &amp; FIXTURES</u></b>	
Depreciable Balance	\$470,031,668	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	55	55
Iowa Curve	R0.5	S0.5
Gross Removal, %	69	76
Gross Salvage, %	15	12
Net Salvage %	-54	-64
N/A = not available		

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This account includes poles and towers of various material types such as wood, concrete and steel.

The average age of property in this account is 16.70 years.

The current life analysis indicates that the average service life and curve used for this account should remain unchanged at 55 years and a R0.5 dispersion.

The account history indicates changing to a gross removal percentage of 76%, a gross salvage percentage of 12% resulting in a change to the net salvage percentage to -64%.

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<b><i>Account</i></b>	<b><u>365 OVERHEAD CONDUCTOR &amp; DEVICES</u></b>	
Depreciable Balance	\$474,074,113	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	44	44
Iowa Curve	R1.0	R1.0
Gross Removal, %	44	45
Gross Salvage, %	6	5
Net Salvage %	-38	-40
N/A = not available		

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Account 365 consists of overhead conductor and items like switches, reclosers and lightning arresters.

The average age of property in this account is 14.66 years.

The current life analysis indicates that the average service life and curve used for this account should remain unchanged at 44 years and a R1.0 dispersion.

The salvage analysis indicates a negative net salvage for this account. The recommendation is to use a gross removal estimate of 445 and a gross salvage estimate of 5%. The result is a net salvage of -40%.

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<b><i>Account</i></b>	<b><u>366 UNDERGROUND CONDUIT</u></b>	
Depreciable Balance	\$71,650,932	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	70	70
Iowa Curve	R4.0	R4.0
Gross Removal, %	0	0
Gross Salvage, %	0	0
Net Salvage %	0	0

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This account contains distribution underground conduit, duct banks, manholes and ventilating systems.

The average age of property in this account is 14.95 years.

The current life analysis indicates that the average service life and curve used for this account should remain unchanged at 70 years and a R4.0 dispersion.

Net Salvage factors have historically been negative for account 366. Since underground conduit is retired in place, the removal and salvage components reflected in the analysis are not indicative of actual practice. Interviews with operations personnel confirm this. The net salvage parameters should continue to use a gross salvage factor of 0% and a 0% gross removal yielding an 0% net salvage.

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<b><i>Account</i></b>	<b><u>367 UNDERGROUND CONDUCTOR &amp; DEVICES</u></b>	
Depreciable Balance	\$234,750,023	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	50	46
Iowa Curve	R1.5	R3.0
Gross Removal, %	22	21
Gross Salvage, %	6	4
Net Salvage %	-16	-17

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Account 367 contains underground property such as distribution conductor, switches and switchgear.

The average age of property in this account is 15.47 years.

The current life analysis supports a 46 year average service life with a change in the dispersion to use an R3.0 dispersion.

Based on the historical salvage history for the account, the recommendation is to update gross salvage to 4%, gross removal is 21% resulting in a -17% net salvage.

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<i>Account</i>	<b><u>368 LINE TRANSFORMERS</u></b>	
Depreciable Balance	\$406,858,746	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	50	44
Iowa Curve	L0.0	L0.0
Gross Removal, %	15	19
Gross Salvage, %	9	9
Net Salvage %	-6	-10

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This account includes line transformers, regulators and capacitors.

The average age of property in this account is 16.24 years.

The current life analysis continues to indicate use of an L0.0 type dispersion with a change to the average service life from 50 years to 44 years.

The salvage analysis for the account history continues to support a gross salvage of 9% with a change to the gross removal to 19%. The result is a change in net salvage to -10%.

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<b><i>Account</i></b>	<b><u>369 SERVICES</u></b>	
Depreciable Balance	\$96,876,860	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	55	59
Iowa Curve	R2.5	R3.0
Gross Removal, %	74	74
Gross Salvage, %	0	0
Net Salvage %	-74	-74

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Account 369 consists of underground and overhead distribution services.

The average age of property in this account is 15.11 years.

The current life analysis indicates that the average service life for this account should be 59 years with an R3.0 dispersion.

Activity in this account supports continued use of 0% gross salvage, 74% gross removal and a -74% net salvage.



**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<b><i>Account</i></b>	<b><u>370 METERS</u></b>	
Depreciable Balance	\$85,774,920	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	30	15
Iowa Curve	R1.0	L0.0
Gross Removal, %	44	32
Gross Salvage, %	9	6
Net Salvage %	-35	-26

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Account 370 includes all distribution meters.

The average age of property in this account is 8.93 years.

The current life analysis supports an average service life for this account of 15 years with an L0.0 dispersion.

Account history was used which indicates a gross salvage of 6% and a gross removal of 32% resulting in a -26% net salvage percentage.

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

<b><i>Account</i></b>	<b><u>371 INSTALLATIONS ON CUSTOMERS PREMISES</u></b>	
Depreciable Balance	\$44,016,257	
	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	25	25
Iowa Curve	L0.0	L0.0
Gross Removal, %	41	37
Gross Salvage, %	8	6
Net Salvage %	-33	-31

Property included in account 371 consists of items such as cable vaults and commercial lighting equipment.

The average age of property in this account is 14.63 years.

The current life analysis indicates that the average service life and curve used for this account should remain unchanged at 25 years and a L0.0 dispersion.

Based on the historical salvage history for the account, the recommendation is a gross salvage of 6% a gross removal of 37% resulting in a -31% net salvage.

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**Depreciation Study as of December 31, 2019**  
**Distribution Plant**

***Account***                      **373 STREET LIGHTING & SIGNAL SYSTEMS**

Depreciable Balance                      \$42,798,295

	<u>Current</u>	<u>Recommended</u>
Average Service Life (Yrs)	37	40
Iowa Curve	L0.0	L0.0
Gross Removal, %	42	41
Gross Salvage, %	10	7
Net Salvage %	-32	-34

Account 373 consists of distribution street lights, conductor, conduit and standards.

The average age of property in this account is 18.61 years.

The current life analysis supports an average service life for this account of 40 years with the same L0.0 type dispersion.

Based on the historical salvage history for the account, the recommendation is a gross salvage of 7% a gross removal of 41% resulting in a -34% net salvage.

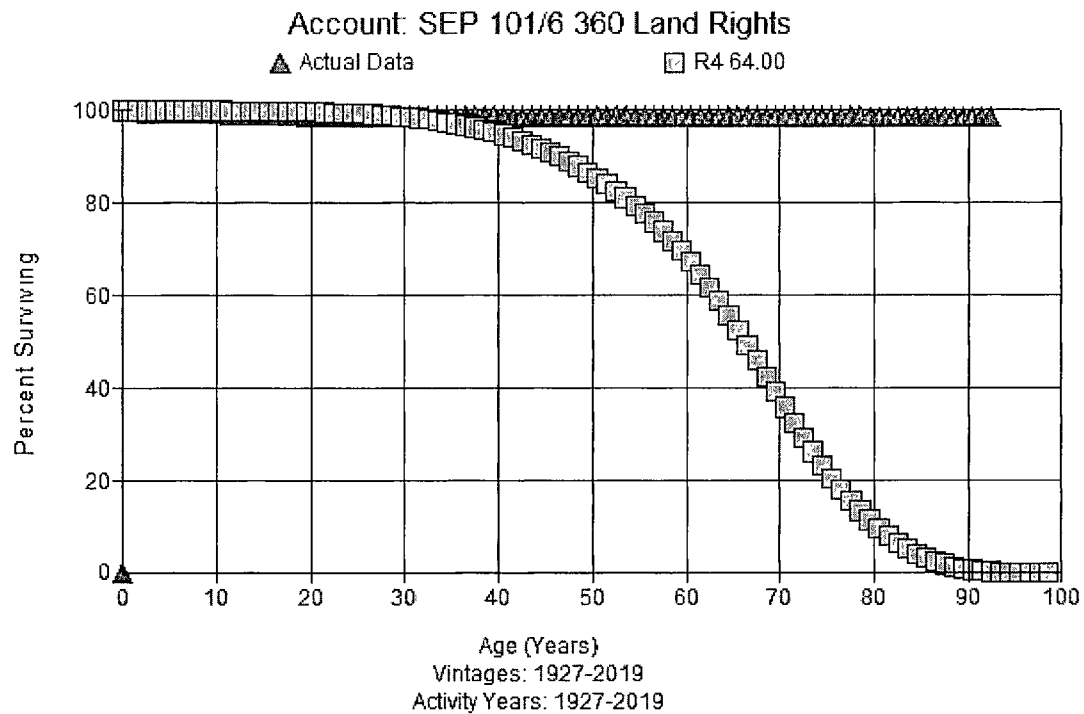
**SOUTHWESTERN ELECTRIC POWER COMPANY**

**DEPRECIATION STUDY AS OF DECEMBER 31, 2019**

**DISTRIBUTION PLANT**

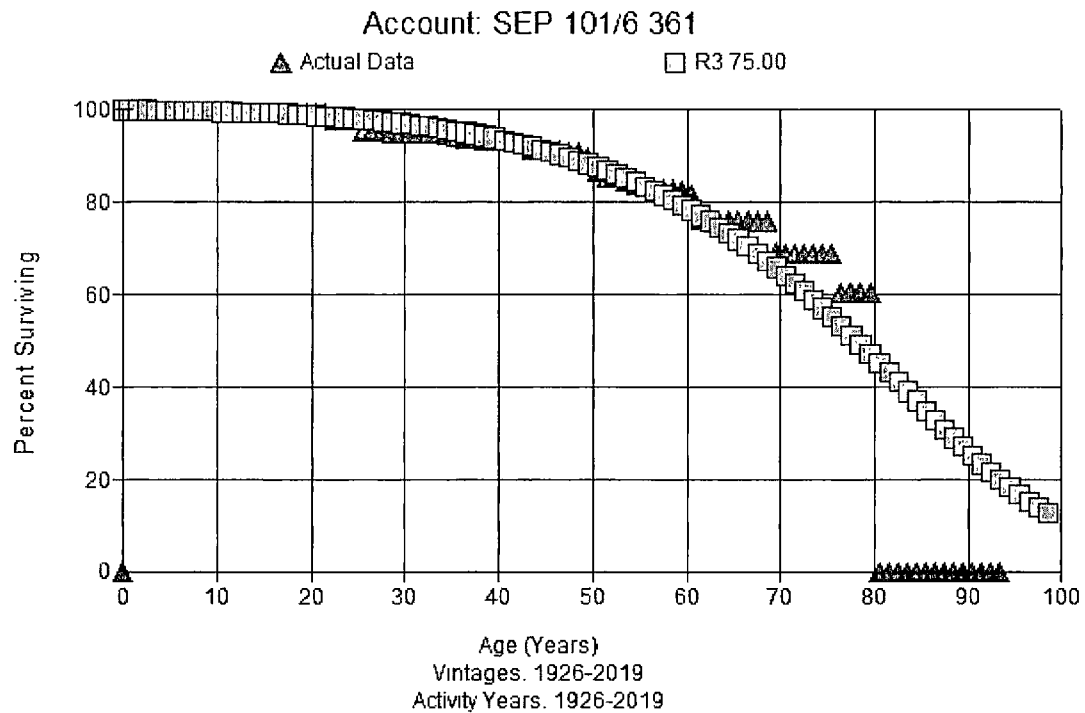
**ACTUARIAL ANALYSIS GRAPHS**

# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



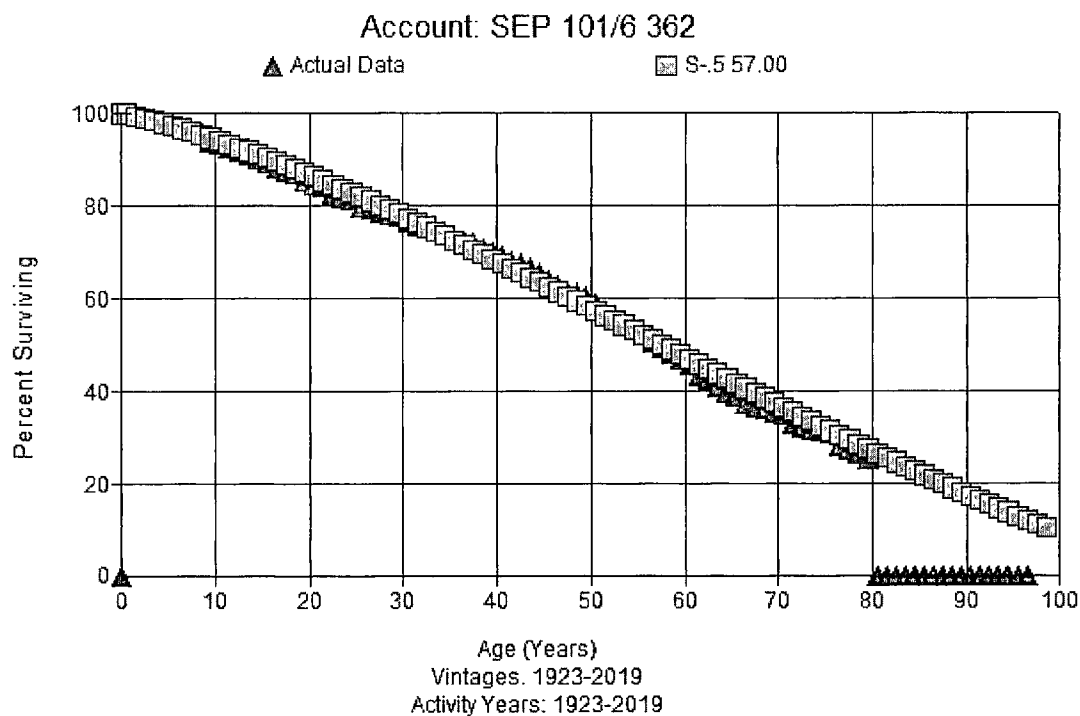
Retirement data is not meaningful for Account 360, Land Rights so no actuarial analysis could be performed. Recommend that we keep the 60 year life and R4.0 dispersion currently approved in rates by PUC Docket No. 46449.

# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



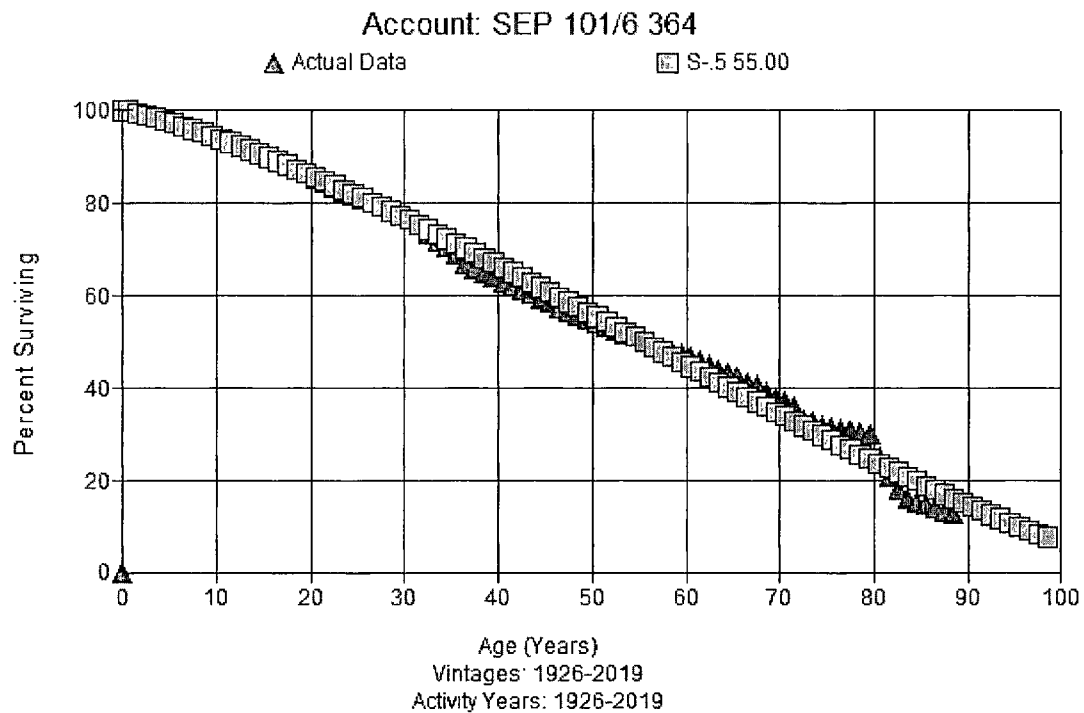
The above graph for account 361 includes activity years 1926 to 2019 (with a T cut at year 80). The prior study used a 70 year life with a R3.0 dispersion for this account. As indicated above the R3.0 dispersion following a 75 year average service life appears to be a better fit for this study.

# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



Account 362 was graphed for activity years 1923 to 2019 (using a T cut at 80 years). The graph indicates that an average service life of 57 years using a S0.5 curve should be followed.

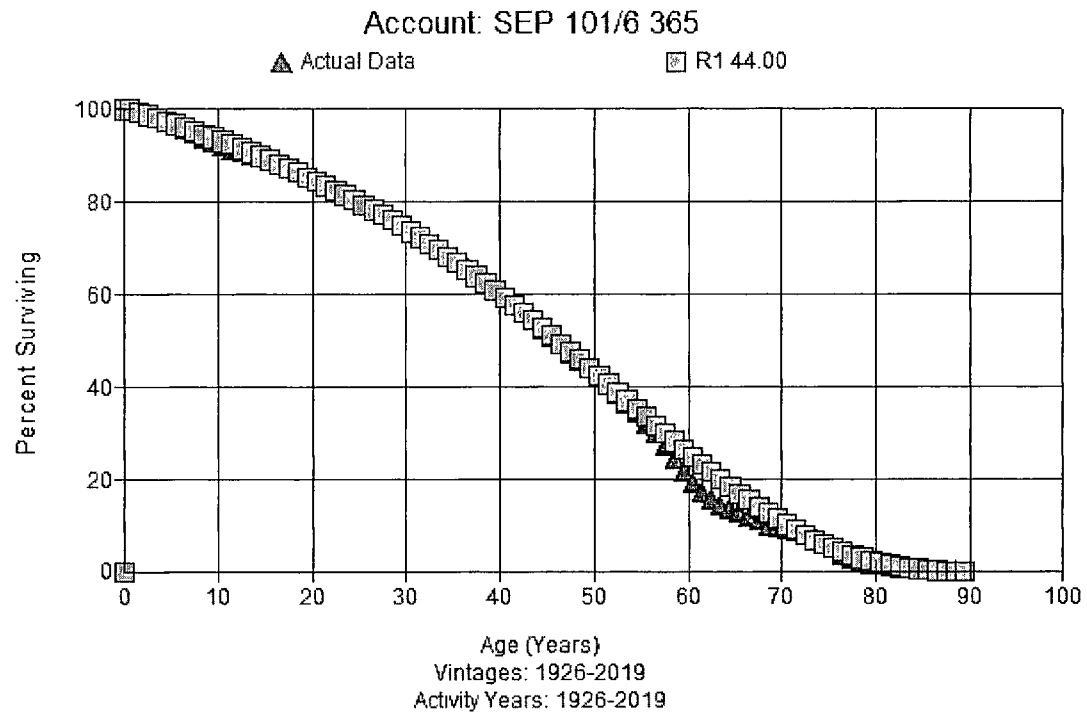
# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



Account 364 was graphed for activity years 1926 to 2019. The graph indicates that the average service life should be 55 years using a S0.5 curve.

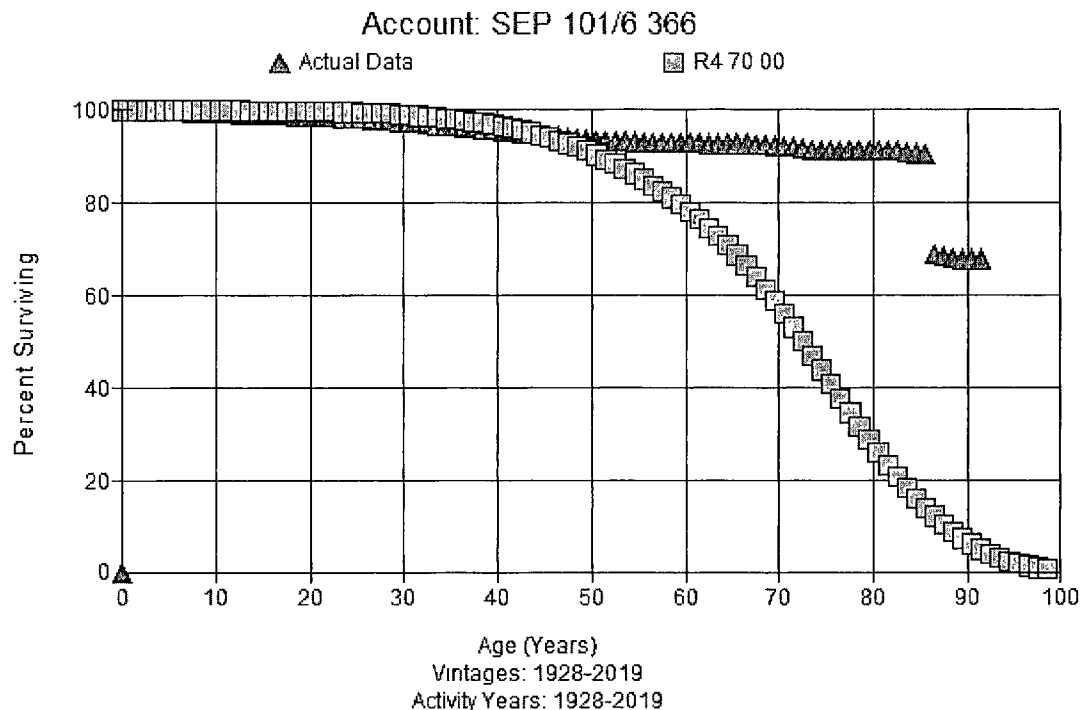


# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



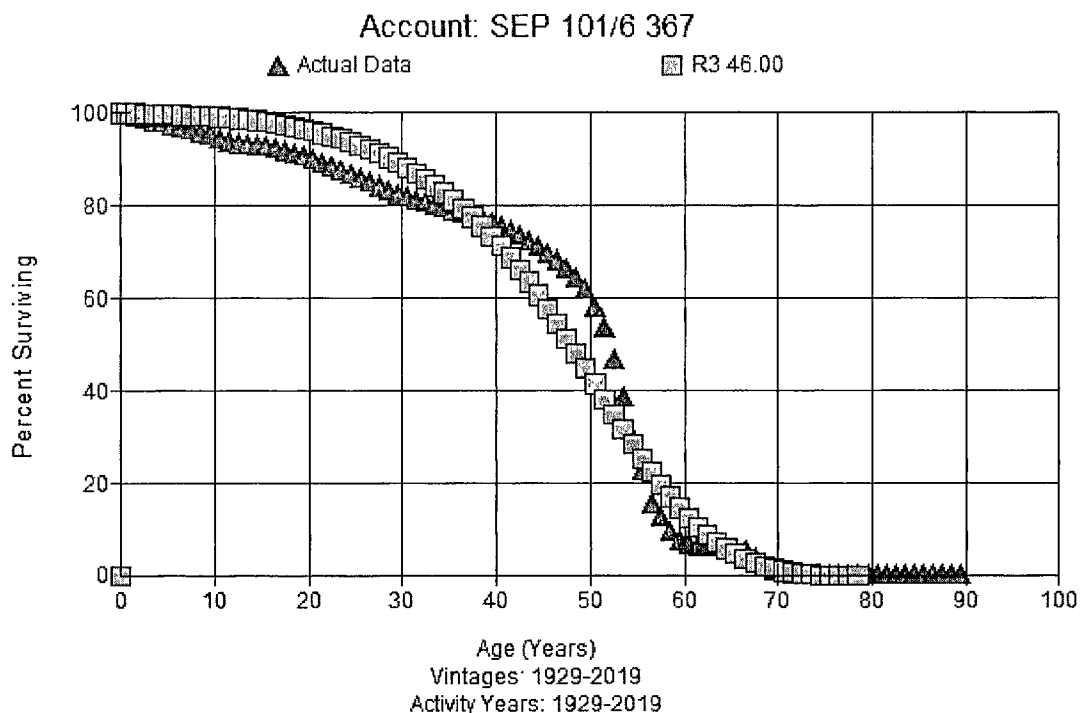
Account 365 was graphed for activity years 1926 to 2019. The graph indicates continued use of a 44 year average service life following an R1.0 curve.

# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



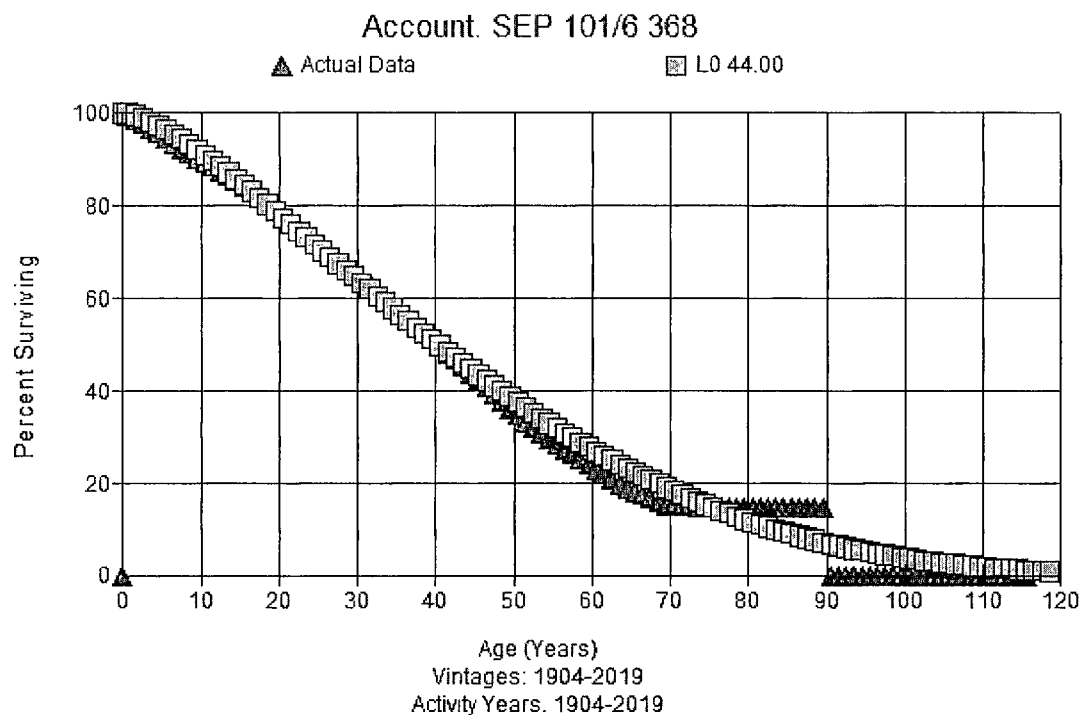
Account 366 was graphed for activity years 1928 to 2019. The graph indicates that there haven't been many retirements from account 366. The recommendation is to keep the current average service life of 70 years following a R4.0 curve.

# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



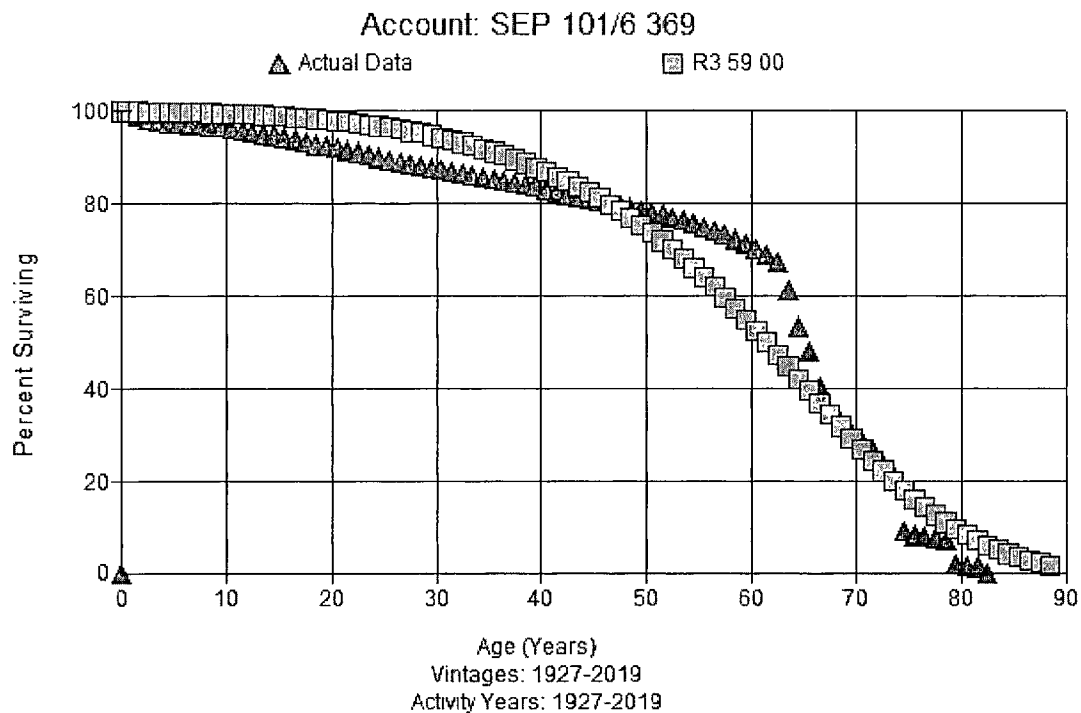
Account 367 was graphed for activity years 1929 to 2019. The graph indicates that the life should be changed to 46 years following a R3.0 curve.

# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



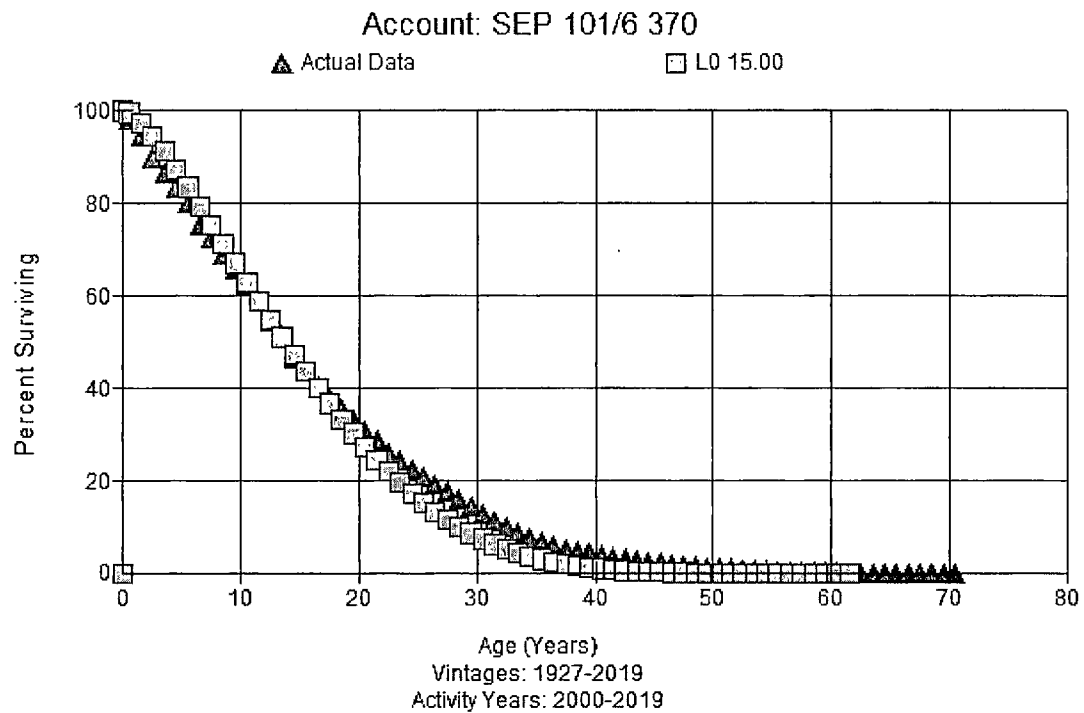
Account 368 was graphed for activity years 1904 to 2015 (with a T cut at year 90). The graph indicates that the L0.0 dispersion continues to be appropriate with a 44 year average service life.

## SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS



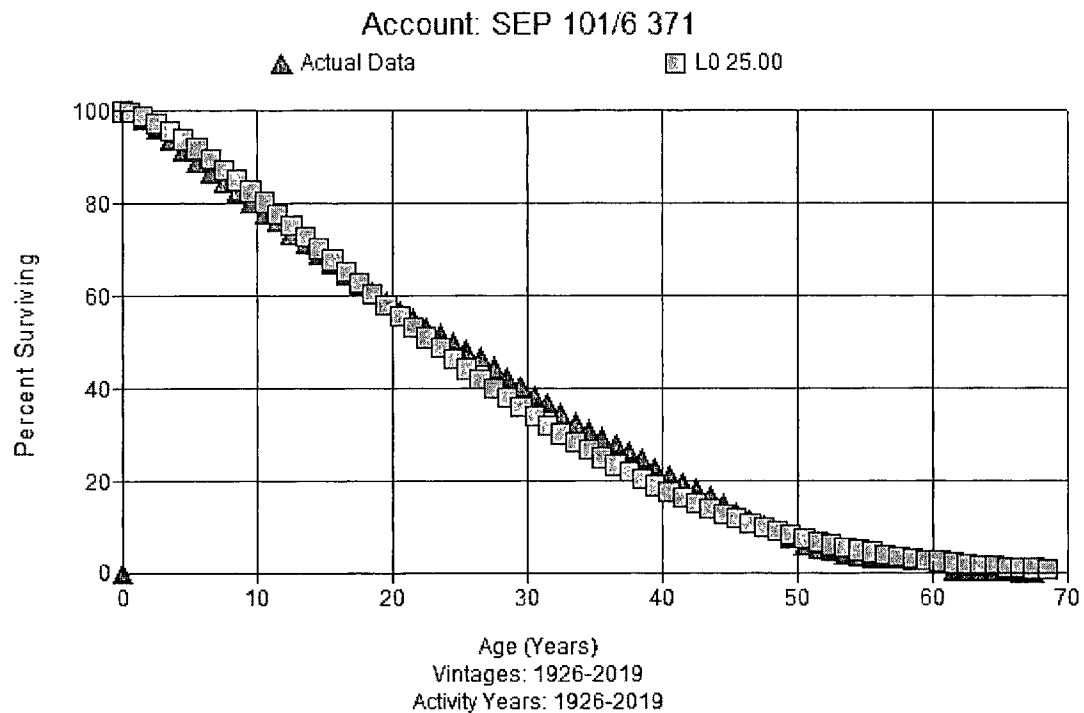
Account 369 was graphed for activity years 1927 to 2019. The graph indicates a change to a 59 year average service life using a R3.0 curve.

# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



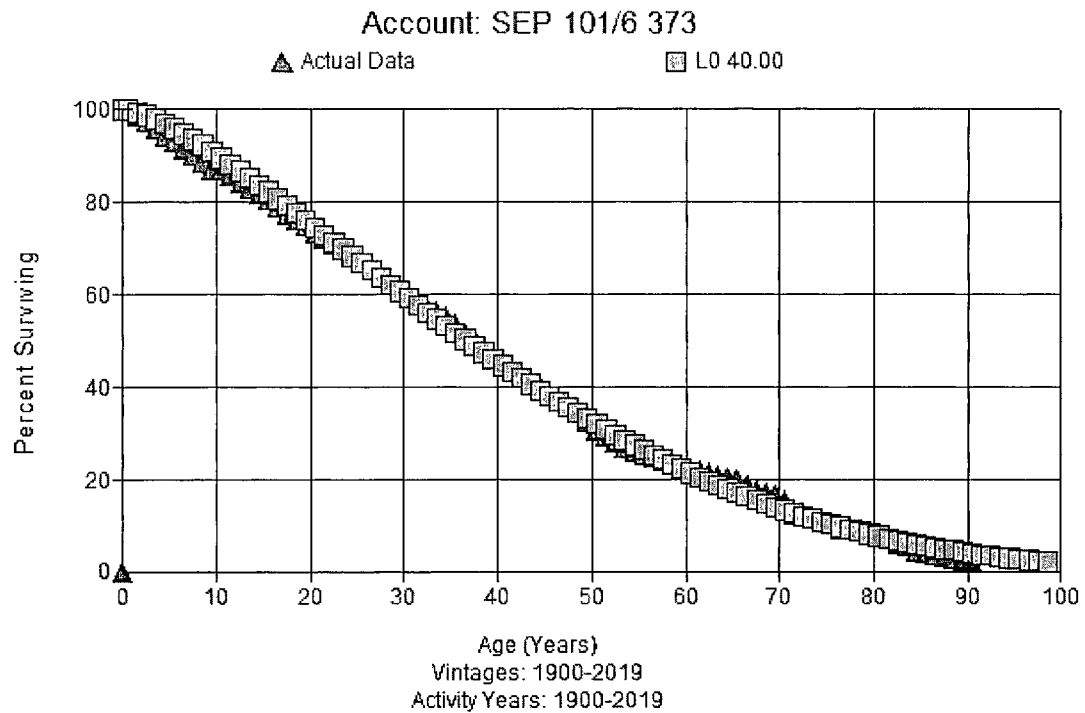
Account 370 was graphed for activity years 2000 to 2019. The graph indicates that the L0.0 curve should be used and a 15 year average service life should be retained.

# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



Account 371 was graphed for activity years 1926 to 2019. The L0.0 dispersion with a 25 year average service life continues to be a good fit for this property.

# **SOUTHWESTERN ELECTRIC POWER COMPANY DEPRECIATION STUDY AT DECEMBER 31, 2019 DISTRIBUTION GRAPHS**



Account 373 was graphed for activity years 1900 to 2019. The L0.0 dispersion continues to be a good fit for this property but with a change to a 40 year average service life.



**SOUTHWESTERN ELECTRIC POWER COMPANY**

**DEPRECIATION STUDY AS OF DECEMBER 31, 2019**

**DISTRIBUTION PLANT**

**AVERAGE AGE OF SURVIVING PLANT**

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 360 Land Rights**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1927	43,374	92.5	4,012,074	
1928	6,901	91.5	631,477	
1929	3,721	90.5	336,715	
1930	11,641	89.5	1,041,895	
1931	41,866	88.5	3,705,111	
1932	7,731	87.5	676,437	
1933	5,082	86.5	439,583	
1934	2,929	85.5	250,439	
1935	1,128	84.5	95,339	
1936	3,765	83.5	314,337	
1937	2,086	82.5	172,063	
1938	1,824	81.5	148,665	
1939	1,402	80.5	112,900	
1940	1,098	79.5	87,292	
1941	8,982	78.5	705,090	
1942	1,515	77.5	117,437	
1943	3,849	76.5	294,425	
1944	2,880	75.5	217,465	
1945	2,352	74.5	175,259	
1946	1,100	73.5	80,879	
1947	29,325	72.5	2,126,052	
1948	38,034	71.5	2,719,450	
1949	4,320	70.5	304,583	
1950	12,692	69.5	882,127	
1951	2,485	68.5	170,253	
1952	4,139	67.5	279,414	
1953	7,157	66.5	475,916	
1954	6,681	65.5	437,625	
1955	7,106	64.5	458,354	
1956	6,671	63.5	423,624	
1957	22,320	62.5	1,395,023	
1958	5,172	61.5	318,066	
1959	8,792	60.5	531,934	
1960	7,905	59.5	470,364	
1961	22,329	58.5	1,306,266	
1962	38,877	57.5	2,235,442	
1963	17,130	56.5	967,848	
1964	24,196	55.5	1,342,897	
1965	24,023	54.5	1,309,227	
1966	31,111	53.5	1,664,458	
1967	14,683	52.5	770,837	
1968	19,328	51.5	995,400	
1969	40,298	50.5	2,035,073	
1970	24,744	49.5	1,224,807	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 360 Land Rights**

VINTAGE <u>YEAR</u>	SURVIVING <u>BALANCE</u>	AGE <u>(YEARS)</u>	DOLLAR <u>YEARS</u>	AVERAGE AGE <u>(YEARS)</u>
1971	33,157	48.5	1,608,100	
1972	25,478	47.5	1,210,194	
1973	26,344	46.5	1,224,989	
1974	23,498	45.5	1,069,144	
1975	33,713	44.5	1,500,210	
1976	16,352	43.5	711,309	
1977	38,022	42.5	1,615,934	
1978	26,161	41.5	1,085,665	
1979	58,005	40.5	2,349,216	
1980	102,836	39.5	4,062,007	
1981	75,975	38.5	2,925,053	
1982	91,861	37.5	3,444,786	
1983	162,597	36.5	5,934,778	
1984	106,118	35.5	3,767,188	
1985	89,380	34.5	3,083,618	
1986	79,997	33.5	2,679,900	
1987	75,121	32.5	2,441,429	
1988	74,992	31.5	2,362,244	
1989	56,049	30.5	1,709,490	
1990	45,261	29.5	1,335,212	
1991	18,075	28.5	515,151	
1992	35,913	27.5	987,619	
1993	111,281	26.5	2,948,936	
1994	145,318	25.5	3,705,600	
1995	14,971	24.5	366,780	
1996	69,464	23.5	1,632,396	
1999	193,912	20.5	3,975,201	
2001	286,701	18.5	5,303,965	
2003	488,216	16.5	8,055,559	
2004	301	15.5	4,663	
2005	35,763	14.5	518,567	
2008	25,879	11.5	297,606	
2010	194,262	9.5	1,845,494	
2011	53,522	8.5	454,939	
2018	<u>103,901</u>	1.5	<u>155,852</u>	
	3,593,142		115,348,716	<b>32.10</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 361 Structures & Improvements**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1926	518	93.5	48,468	
1928	3,146	91.5	287,893	
1929	993	90.5	89,905	
1931	1,933	88.5	171,082	
1934	998	85.5	85,367	
1938	268	81.5	21,804	
1941	250	78.5	19,587	
1942	534	77.5	41,418	
1943	383	76.5	29,278	
1944	317	75.5	23,946	
1946	90	73.5	6,610	
1947	967	72.5	70,081	
1948	5,170	71.5	369,644	
1949	7,936	70.5	559,489	
1950	4,254	69.5	295,681	
1951	6,351	68.5	435,046	
1952	14,733	67.5	994,453	
1953	16,209	66.5	1,077,887	
1954	11,525	65.5	754,909	
1955	2,283	64.5	147,263	
1956	8,967	63.5	569,430	
1957	14,368	62.5	897,981	
1958	30,314	61.5	1,864,310	
1959	25,092	60.5	1,518,039	
1960	8,220	59.5	489,102	
1961	22,725	58.5	1,329,415	
1962	16,730	57.5	961,993	
1963	3,443	56.5	194,539	
1964	18,771	55.5	1,041,797	
1965	34,167	54.5	1,862,099	
1966	24,100	53.5	1,289,346	
1967	21,370	52.5	1,121,904	
1968	12,956	51.5	667,228	
1969	29,020	50.5	1,465,531	
1970	70,082	49.5	3,469,072	
1971	21,874	48.5	1,060,868	
1972	54,816	47.5	2,603,774	
1973	35,347	46.5	1,643,644	
1974	126,139	45.5	5,739,333	
1975	23,149	44.5	1,030,118	
1976	145,770	43.5	6,341,008	
1977	43,501	42.5	1,848,792	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 361 Structures & Improvements**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1978	123,371	41.5	5,119,892	
1979	170,462	40.5	6,903,706	
1980	3,936	39.5	155,472	
1981	65,260	38.5	2,512,527	
1982	123,770	37.5	4,641,388	
1983	190,437	36.5	6,950,966	
1984	187,778	35.5	6,666,127	
1985	31,554	34.5	1,088,603	
1986	13,399	33.5	448,872	
1987	969	32.5	31,479	
1988	37,716	31.5	1,188,039	
1989	70,043	30.5	2,136,319	
1990	9,079	29.5	267,833	
1991	6,300	28.5	179,536	
1992	252,105	27.5	6,932,883	
1993	56,031	26.5	1,484,815	
1994	42,068	25.5	1,072,745	
1997	11,439	22.5	257,367	
2001	4,666	18.5	86,330	
2003	32,118	16.5	529,945	
2004	32,269	15.5	500,169	
2007	37,403	12.5	467,541	
2008	253,000	11.5	2,909,500	
2009	966,035	10.5	10,143,371	
2010	1,207,562	9.5	11,471,839	
2012	233,910	7.5	1,754,325	
2014	348,249	5.5	1,915,371	
2017	904,286	2.5	2,260,714	
2018	2,943,839	1.5	4,415,758	
2019	<u>322,320</u>	0.5	<u>161,160</u>	
	9,551,154		129,193,726	<b>13.53</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 362 Station Equipment**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1923	1,901	96.5	183,481	
1924	1,291	95.5	123,307	
1925	4	94.5	335	
1926	13,079	93.5	1,222,931	
1927	8,044	92.5	744,028	
1928	45,134	91.5	4,129,733	
1929	1,687	90.5	152,702	
1930	5,275	89.5	472,069	
1931	28,236	88.5	2,498,869	
1932	830	87.5	72,668	
1933	7,350	86.5	635,761	
1934	10,192	85.5	871,379	
1935	3,439	84.5	290,622	
1936	29,082	83.5	2,428,362	
1937	46,255	82.5	3,816,058	
1938	38,905	81.5	3,170,762	
1939	1,040	80.5	83,744	
1940	13,939	79.5	1,108,158	
1941	25,112	78.5	1,971,323	
1942	5,868	77.5	454,779	
1943	16,674	76.5	1,275,523	
1944	18,083	75.5	1,365,240	
1945	10,982	74.5	818,123	
1946	67,218	73.5	4,940,515	
1947	261,839	72.5	18,983,322	
1948	265,732	71.5	18,999,856	
1949	184,730	70.5	13,023,487	
1950	271,324	69.5	18,857,004	
1951	223,190	68.5	15,288,502	
1952	203,192	67.5	13,715,435	
1953	604,232	66.5	40,181,435	
1954	414,884	65.5	27,174,928	
1955	481,251	64.5	31,040,667	
1956	417,789	63.5	26,529,591	
1957	480,879	62.5	30,054,918	
1958	649,844	61.5	39,965,415	
1959	614,005	60.5	37,147,293	
1960	320,876	59.5	19,092,114	
1961	453,441	58.5	26,526,301	
1962	394,681	57.5	22,694,152	
1963	266,841	56.5	15,076,526	
1964	723,262	55.5	40,141,027	
1965	548,375	54.5	29,886,443	
1966	734,209	53.5	39,280,206	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 362 Station Equipment**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1967	1,025,050	52.5	53,815,114	
1968	861,595	51.5	44,372,161	
1969	1,019,447	50.5	51,482,097	
1970	1,364,930	49.5	67,564,035	
1971	923,029	48.5	44,766,889	
1972	1,306,384	47.5	62,053,246	
1973	1,278,780	46.5	59,463,279	
1974	1,218,596	45.5	55,446,127	
1975	1,856,965	44.5	82,634,963	
1976	1,648,059	43.5	71,690,583	
1977	426,490	42.5	18,125,826	
1978	1,944,843	41.5	80,710,994	
1979	3,663,630	40.5	148,377,030	
1980	757,528	39.5	29,922,352	
1981	1,331,178	38.5	51,250,371	
1982	1,786,587	37.5	66,997,013	
1983	3,188,846	36.5	116,392,893	
1984	1,551,915	35.5	55,092,974	
1985	1,200,378	34.5	41,413,054	
1986	417,723	33.5	13,993,711	
1987	685,610	32.5	22,282,321	
1988	975,105	31.5	30,715,813	
1989	1,958,117	30.5	59,722,563	
1990	2,614,558	29.5	77,129,472	
1991	2,256,430	28.5	64,308,264	
1992	3,555,808	27.5	97,784,726	
1993	7,187,836	26.5	190,477,663	
1994	3,103,157	25.5	79,130,491	
1995	6,601,444	24.5	161,735,389	
1996	5,272,998	23.5	123,915,444	
1997	3,987,781	22.5	89,725,077	
1998	2,573,089	21.5	55,321,415	
1999	3,582,737	20.5	73,446,113	
2000	2,649,231	19.5	51,660,006	
2001	4,301,562	18.5	79,578,896	
2002	6,070,466	17.5	106,233,153	
2003	2,860,160	16.5	47,192,635	
2004	6,542,630	15.5	101,410,764	
2005	3,147,537	14.5	45,639,286	
2006	10,376,959	13.5	140,088,942	
2007	12,011,072	12.5	150,138,406	
2008	14,514,097	11.5	166,912,112	
2009	12,706,548	10.5	133,418,755	
2010	14,233,177	9.5	135,215,181	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 362 Station Equipment**

VINTAGE <u>YEAR</u>	SURVIVING <u>BALANCE</u>	AGE <u>(YEARS)</u>	DOLLAR <u>YEARS</u>	AVERAGE AGE <u>(YEARS)</u>
2011	13,924,545	8.5	118,358,632	
2012	33,026,174	7.5	247,696,302	
2013	11,364,766	6.5	73,870,982	
2014	13,645,477	5.5	75,050,122	
2015	21,026,759	4.5	94,620,416	
2016	10,589,207	3.5	37,062,224	
2017	21,471,678	2.5	53,679,194	
2018	24,447,960	1.5	36,671,940	
2019	<u>10,782,133</u>	0.5	<u>5,391,067</u>	
	331,732,959		4,797,637,572	<b>14.46</b>



**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 364 Poles, Towers & Fixtures**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1931	156,024	88.5	13,808,108	
1934	8,807	85.5	753,039	
1937	33	82.5	2,705	
1938	35	81.5	2,840	
1939	67,520	80.5	5,435,374	
1940	14,771	79.5	1,174,307	
1941	23,693	78.5	1,859,879	
1942	15,830	77.5	1,226,792	
1943	15,744	76.5	1,204,405	
1944	23,897	75.5	1,804,206	
1945	14,595	74.5	1,087,298	
1946	49,384	73.5	3,629,725	
1947	62,132	72.5	4,504,571	
1948	125,623	71.5	8,982,068	
1949	177,469	70.5	12,511,541	
1950	104,099	69.5	7,234,883	
1951	383,550	68.5	26,273,150	
1952	254,175	67.5	17,156,802	
1953	594,191	66.5	39,513,677	
1954	377,032	65.5	24,695,608	
1955	614,983	64.5	39,666,434	
1956	416,743	63.5	26,463,163	
1957	397,925	62.5	24,870,291	
1958	383,273	61.5	23,571,286	
1959	548,894	60.5	33,208,083	
1960	450,518	59.5	26,805,838	
1961	660,139	58.5	38,618,110	
1962	836,918	57.5	48,122,807	
1963	669,348	56.5	37,818,175	
1964	851,804	55.5	47,275,141	
1965	826,547	54.5	45,046,785	
1966	932,871	53.5	49,908,596	
1967	1,089,355	52.5	57,191,146	
1968	937,010	51.5	48,256,006	
1969	1,183,943	50.5	59,789,101	
1970	1,059,768	49.5	52,458,531	
1971	875,177	48.5	42,446,072	
1972	1,124,364	47.5	53,407,300	
1973	755,359	46.5	35,124,208	
1974	1,000,143	45.5	45,506,490	
1975	2,162,434	44.5	96,228,314	
1976	1,412,699	43.5	61,452,416	
1977	1,516,271	42.5	64,441,537	
1978	2,054,171	41.5	85,248,105	
1979	2,870,784	40.5	116,266,755	
1980	2,729,340	39.5	107,808,935	
1981	3,426,643	38.5	131,925,749	
1982	3,992,388	37.5	149,714,540	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 364 Poles, Towers & Fixtures**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1983	4,681,739	36.5	170,883,458	
1984	4,369,697	35.5	155,124,238	
1985	3,846,470	34.5	132,703,225	
1986	4,505,657	33.5	150,939,511	
1987	4,370,502	32.5	142,041,304	
1988	4,804,467	31.5	151,340,711	
1989	4,924,003	30.5	150,182,087	
1990	6,259,548	29.5	184,656,674	
1991	5,417,717	28.5	154,404,946	
1992	5,280,272	27.5	145,207,467	
1993	14,884,199	26.5	394,431,286	
1994	6,737,123	25.5	171,796,630	
1995	11,970,687	24.5	293,281,840	
1996	11,612,615	23.5	272,896,460	
1997	10,449,446	22.5	235,112,539	
1998	10,103,719	21.5	217,229,964	
1999	9,149,555	20.5	187,565,886	
2000	11,141,887	19.5	217,266,798	
2001	10,560,710	18.5	195,373,127	
2002	6,934,713	17.5	121,357,485	
2003	12,444,442	16.5	205,333,299	
2004	10,159,039	15.5	157,465,105	
2005	11,533,734	14.5	167,239,144	
2006	15,415,784	13.5	208,113,087	
2007	19,240,398	12.5	240,504,973	
2008	16,001,898	11.5	184,021,824	
2009	10,221,572	10.5	107,326,509	
2010	38,351,457	9.5	364,338,845	
2011	9,924,661	8.5	84,359,620	
2012	14,929,502	7.5	111,971,266	
2013	11,247,430	6.5	73,108,295	
2014	12,478,803	5.5	68,633,418	
2015	11,689,872	4.5	52,604,423	
2016	16,512,451	3.5	57,793,579	
2017	20,233,387	2.5	50,583,468	
2018	24,997,991	1.5	37,496,987	
2019	<u>24,396,104</u>	0.5	<u>12,198,052</u>	
	470,031,668		7,848,388,422	<b>16.70</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 365 Overhead Conductor**

VINTAGE <u>YEAR</u>	SURVIVING <u>BALANCE</u>	AGE <u>(YEARS)</u>	DOLLAR <u>YEARS</u>	AVERAGE AGE <u>(YEARS)</u>
1931	27,681	88.5	2,449,749	
1934	1,649	85.5	141,002	
1937	2	82.5	136	
1939	11,440	80.5	920,951	
1940	2,130	79.5	169,348	
1941	2,929	78.5	229,887	
1942	1,741	77.5	134,921	
1943	971	76.5	74,279	
1944	1,474	75.5	111,283	
1945	1,450	74.5	108,015	
1946	3,477	73.5	255,536	
1947	6,330	72.5	458,890	
1948	10,282	71.5	735,145	
1949	18,420	70.5	1,298,583	
1950	15,601	69.5	1,084,281	
1951	36,610	68.5	2,507,777	
1952	31,913	67.5	2,154,146	
1953	55,614	66.5	3,698,329	
1954	50,084	65.5	3,280,478	
1955	62,420	64.5	4,026,120	
1956	68,765	63.5	4,366,573	
1957	83,254	62.5	5,203,389	
1958	79,595	61.5	4,895,085	
1959	157,872	60.5	9,551,263	
1960	121,930	59.5	7,254,833	
1961	202,961	58.5	11,873,220	
1962	340,637	57.5	19,586,609	
1963	290,260	56.5	16,399,687	
1964	411,318	55.5	22,828,123	
1965	439,257	54.5	23,939,505	
1966	539,603	53.5	28,868,737	
1967	689,352	52.5	36,190,966	
1968	659,129	51.5	33,945,166	
1969	932,718	50.5	47,102,241	
1970	955,292	49.5	47,286,954	
1971	1,184,815	48.5	57,463,504	
1972	1,320,335	47.5	62,715,894	
1973	1,018,463	46.5	47,358,551	
1974	1,450,295	45.5	65,988,424	
1975	1,704,579	44.5	75,853,778	
1976	1,407,071	43.5	61,207,593	
1977	1,633,278	42.5	69,414,328	
1978	1,788,321	41.5	74,215,331	
1979	2,420,226	40.5	98,019,147	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 365 Overhead Conductor**

VINTAGE <u>YEAR</u>	SURVIVING <u>BALANCE</u>	AGE <u>(YEARS)</u>	DOLLAR <u>YEARS</u>	AVERAGE AGE <u>(YEARS)</u>
1980	2,348,019	39.5	92,746,767	
1981	3,207,118	38.5	123,474,046	
1982	3,498,472	37.5	131,192,707	
1983	4,377,208	36.5	159,768,092	
1984	4,204,722	35.5	149,267,628	
1985	3,663,623	34.5	126,394,999	
1986	4,305,458	33.5	144,232,859	
1987	3,654,012	32.5	118,755,383	
1988	3,466,225	31.5	109,186,088	
1989	3,621,695	30.5	110,461,707	
1990	3,940,534	29.5	116,245,763	
1991	5,265,704	28.5	150,072,555	
1992	5,229,248	27.5	143,804,328	
1993	10,735,313	26.5	284,485,797	
1994	6,695,556	25.5	170,736,668	
1995	4,765,819	24.5	116,762,567	
1996	10,825,346	23.5	254,395,630	
1997	7,147,257	22.5	160,813,280	
1998	8,177,398	21.5	175,814,063	
1999	6,398,468	20.5	131,168,591	
2000	10,182,879	19.5	198,566,139	
2001	8,044,571	18.5	148,824,572	
2002	6,836,049	17.5	119,630,865	
2003	11,081,795	16.5	182,849,623	
2004	8,284,700	15.5	128,412,842	
2005	17,101,307	14.5	247,968,953	
2006	18,377,406	13.5	248,094,982	
2007	20,289,324	12.5	253,616,553	
2008	24,419,538	11.5	280,824,686	
2009	15,114,118	10.5	158,698,243	
2010	32,737,910	9.5	311,010,141	
2011	19,463,201	8.5	165,437,206	
2012	16,201,356	7.5	121,510,169	
2013	19,285,385	6.5	125,355,004	
2014	17,775,335	5.5	97,764,343	
2015	14,614,906	4.5	65,767,076	
2016	21,089,805	3.5	73,814,317	
2017	18,923,958	2.5	47,309,895	
2018	23,507,039	1.5	35,260,559	
2019	<u>24,974,793</u>	0.5	<u>12,487,396</u>	
	474,074,113		6,948,350,839	<b>14.66</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 366 Underground Conduit**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1928	3,762	91.5	344,254	
1930	1,198	89.5	107,183	
1932	101	87.5	8,820	
1936	41	83.5	3,460	
1937	82,676	82.5	6,820,732	
1938	51,095	81.5	4,164,234	
1940	3,154	79.5	250,731	
1943	79	76.5	6,009	
1948	74	71.5	5,321	
1949	19,117	70.5	1,347,746	
1950	27,463	69.5	1,908,681	
1951	14,961	68.5	1,024,859	
1952	19,147	67.5	1,292,393	
1953	198,248	66.5	13,183,505	
1954	18,975	65.5	1,242,847	
1955	98,109	64.5	6,328,000	
1956	50,114	63.5	3,182,231	
1957	11,994	62.5	749,640	
1958	38,786	61.5	2,385,339	
1959	23,001	60.5	1,391,542	
1960	39,257	59.5	2,335,808	
1961	3,477	58.5	203,382	
1962	24,165	57.5	1,389,481	
1963	20,075	56.5	1,134,259	
1964	39,981	55.5	2,218,960	
1965	1,943	54.5	105,908	
1966	15,151	53.5	810,572	
1967	27,637	52.5	1,450,928	
1968	30,146	51.5	1,552,538	
1969	65,305	50.5	3,297,922	
1970	59,297	49.5	2,935,200	
1971	182,186	48.5	8,836,028	
1972	162,291	47.5	7,708,829	
1973	155,941	46.5	7,251,245	
1974	132,565	45.5	6,031,693	
1975	240,878	44.5	10,719,083	
1976	218,528	43.5	9,505,955	
1977	210,020	42.5	8,925,851	
1978	191,177	41.5	7,933,847	
1979	279,024	40.5	11,300,477	
1980	244,533	39.5	9,659,069	
1981	249,169	38.5	9,593,004	
1982	337,749	37.5	12,665,593	
1983	552,421	36.5	20,163,349	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 366 Underground Conduit**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1984	479,250	35.5	17,013,383	
1985	477,314	34.5	16,467,316	
1986	601,515	33.5	20,150,748	
1987	412,592	32.5	13,409,236	
1988	532,420	31.5	16,771,229	
1989	466,751	30.5	14,235,901	
1990	519,584	29.5	15,327,732	
1991	607,496	28.5	17,313,641	
1992	664,376	27.5	18,270,347	
1993	2,352,355	26.5	62,337,395	
1994	2,185,436	25.5	55,728,628	
1995	188,623	24.5	4,621,257	
1996	1,876,854	23.5	44,106,066	
1997	1,514,334	22.5	34,072,517	
1998	1,474,228	21.5	31,695,910	
1999	862,362	20.5	17,678,412	
2000	1,251,562	19.5	24,405,462	
2001	847,568	18.5	15,679,999	
2002	839,157	17.5	14,685,251	
2003	3,369,503	16.5	55,596,803	
2004	1,446,460	15.5	22,420,127	
2005	2,561,680	14.5	37,144,356	
2006	3,933,307	13.5	53,099,640	
2007	5,767,276	12.5	72,090,949	
2008	3,637,513	11.5	41,831,405	
2009	2,182,162	10.5	22,912,696	
2010	1,987,172	9.5	18,878,133	
2011	2,390,028	8.5	20,315,238	
2012	2,188,557	7.5	16,414,176	
2013	2,104,092	6.5	13,676,600	
2014	2,228,855	5.5	12,258,702	
2015	2,652,644	4.5	11,936,896	
2016	3,360,231	3.5	11,760,808	
2017	3,157,524	2.5	7,893,811	
2018	2,633,136	1.5	3,949,704	
2019	<u>3,752,006</u>	0.5	<u>1,876,003</u>	
	71,650,932		1,071,502,985	<b>14.95</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 367 Underground Conductor**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1930	932	89.5	83,375	
1933	179	86.5	15,485	
1936	136	83.5	11,392	
1949	328	70.5	23,089	
1950	86	69.5	5,999	
1956	2,305	63.5	146,345	
1957	1,001	62.5	62,589	
1958	14	61.5	889	
1959	36	60.5	2,185	
1960	51	59.5	3,009	
1961	64	58.5	3,736	
1962	2,447	57.5	140,719	
1963	4,232	56.5	239,121	
1964	1,262	55.5	70,062	
1965	710	54.5	38,682	
1966	22,092	53.5	1,181,925	
1967	39,490	52.5	2,073,239	
1968	92,198	51.5	4,748,204	
1969	314,158	50.5	15,864,997	
1970	158,979	49.5	7,869,445	
1971	456,540	48.5	22,142,181	
1972	833,279	47.5	39,580,766	
1973	612,129	46.5	28,463,990	
1974	614,862	45.5	27,976,215	
1975	597,724	44.5	26,598,717	
1976	874,540	43.5	38,042,497	
1977	999,473	42.5	42,477,592	
1978	1,041,495	41.5	43,222,034	
1979	1,423,923	40.5	57,668,886	
1980	1,615,102	39.5	63,796,522	
1981	1,324,837	38.5	51,006,225	
1982	1,558,641	37.5	58,449,032	
1983	1,715,915	36.5	62,630,905	
1984	2,464,895	35.5	87,503,783	
1985	2,578,605	34.5	88,961,856	
1986	3,312,326	33.5	110,962,929	
1987	1,406,625	32.5	45,715,306	
1988	2,501,804	31.5	78,806,821	
1989	1,860,900	30.5	56,757,441	
1990	1,844,023	29.5	54,398,674	
1991	2,456,780	28.5	70,018,216	
1992	2,446,242	27.5	67,271,659	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 367 Underground Conductor**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1993	3,859,302	26.5	102,271,514	
1994	3,316,146	25.5	84,561,731	
1995	1,142,101	24.5	27,981,470	
1996	9,616,102	23.5	225,978,405	
1997	7,946,106	22.5	178,787,384	
1998	8,320,451	21.5	178,889,702	
1999	7,365,619	20.5	150,995,180	
2000	6,741,333	19.5	131,455,990	
2001	8,436,121	18.5	156,068,239	
2002	3,212,209	17.5	56,213,659	
2003	4,170,498	16.5	68,813,217	
2004	4,397,530	15.5	68,161,712	
2005	6,782,119	14.5	98,340,726	
2006	9,391,456	13.5	126,784,660	
2007	8,447,092	12.5	105,588,656	
2008	8,794,147	11.5	101,132,689	
2009	7,992,414	10.5	83,920,352	
2010	9,907,533	9.5	94,121,559	
2011	7,722,825	8.5	65,644,010	
2012	8,906,249	7.5	66,796,870	
2013	7,366,272	6.5	47,880,765	
2014	7,151,215	5.5	39,331,683	
2015	10,036,203	4.5	45,162,914	
2016	9,882,571	3.5	34,588,999	
2017	7,708,300	2.5	19,270,750	
2018	8,284,844	1.5	12,427,266	
2019	<u>12,671,905</u>	0.5	<u>6,335,952</u>	
	234,750,023		3,632,542,788	<b>15.47</b>



**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 368 Line Transformers**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1904	8,753	115.5	1,010,961	
1937	42,170	82.5	3,479,018	
1938	19,543	81.5	1,592,719	
1940	9,957	79.5	791,556	
1945	1,346	74.5	100,261	
1946	50,116	73.5	3,683,524	
1947	22,091	72.5	1,601,564	
1948	44,569	71.5	3,186,648	
1949	3,893	70.5	274,485	
1950	172,027	69.5	11,955,854	
1951	166,744	68.5	11,421,956	
1952	172,614	67.5	11,651,419	
1953	274,510	66.5	18,254,924	
1954	317,020	65.5	20,764,781	
1955	609,273	64.5	39,298,089	
1956	473,759	63.5	30,083,726	
1957	520,496	62.5	32,530,994	
1958	572,641	61.5	35,217,425	
1959	543,652	60.5	32,890,975	
1960	572,530	59.5	34,065,537	
1961	542,141	58.5	31,715,239	
1962	669,959	57.5	38,522,666	
1963	631,081	56.5	35,656,090	
1964	733,215	55.5	40,693,433	
1965	695,859	54.5	37,924,301	
1966	955,919	53.5	51,141,680	
1967	952,967	52.5	50,030,770	
1968	1,236,691	51.5	63,689,607	
1969	1,779,934	50.5	89,886,662	
1970	1,769,584	49.5	87,594,408	
1971	1,602,687	48.5	77,730,329	
1972	1,652,700	47.5	78,503,255	
1973	1,691,746	46.5	78,666,198	
1974	2,219,924	45.5	101,006,535	
1975	1,488,784	44.5	66,250,866	
1976	1,441,574	43.5	62,708,475	
1977	2,009,643	42.5	85,409,839	
1978	2,797,970	41.5	116,115,770	
1979	2,650,758	40.5	107,355,683	
1980	2,876,211	39.5	113,610,350	
1981	3,150,426	38.5	121,291,418	
1982	3,872,300	37.5	145,211,241	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 368 Line Transformers**

VINTAGE <u>YEAR</u>	SURVIVING <u>BALANCE</u>	AGE <u>(YEARS)</u>	DOLLAR <u>YEARS</u>	AVERAGE AGE <u>(YEARS)</u>
1983	4,045,589	36.5	147,663,982	
1984	4,340,470	35.5	154,086,672	
1985	4,051,011	34.5	139,759,896	
1986	3,840,955	33.5	128,671,987	
1987	3,573,549	32.5	116,140,341	
1988	3,610,920	31.5	113,743,982	
1989	4,461,950	30.5	136,089,467	
1990	4,060,509	29.5	119,785,016	
1991	5,451,651	28.5	155,372,054	
1992	3,693,545	27.5	101,572,484	
1993	8,447,786	26.5	223,866,316	
1994	3,517,023	25.5	89,684,094	
1995	6,889,717	24.5	168,798,076	
1996	4,504,768	23.5	105,862,051	
1997	9,415,033	22.5	211,838,234	
1998	3,903,100	21.5	83,916,639	
1999	11,466,115	20.5	235,055,351	
2000	238,267	19.5	4,646,213	
2001	8,204,620	18.5	151,785,473	
2002	5,936,015	17.5	103,880,260	
2003	8,587,300	16.5	141,690,457	
2004	6,615,762	15.5	102,544,310	
2005	7,939,422	14.5	115,121,616	
2006	11,946,022	13.5	161,271,297	
2007	12,074,547	12.5	150,931,834	
2008	15,212,082	11.5	174,938,945	
2009	10,558,467	10.5	110,863,901	
2010	39,418,967	9.5	374,480,184	
2011	13,770,531	8.5	117,049,516	
2012	14,232,850	7.5	106,746,377	
2013	14,020,696	6.5	91,134,525	
2014	15,099,314	5.5	83,046,229	
2015	14,508,896	4.5	65,290,032	
2016	16,383,558	3.5	57,342,452	
2017	18,453,238	2.5	46,133,095	
2018	22,295,379	1.5	33,443,069	
2019	<u>20,069,346</u>	0.5	<u>10,034,673</u>	
	406,858,746		6,608,852,331	<b>16.24</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 369 Services**

<u>VINTAGE</u> <u>YEAR</u>	<u>SURVIVING</u> <u>BALANCE</u>	<u>AGE</u> <u>(YEARS)</u>	<u>DOLLAR</u> <u>YEARS</u>	<u>AVERAGE AGE</u> <u>(YEARS)</u>
1951	62,815	68.5	4,302,847	
1952	67,618	67.5	4,564,247	
1953	154,160	66.5	10,251,671	
1954	156,485	65.5	10,249,760	
1955	75,825	64.5	4,890,725	
1956	103,012	63.5	6,541,269	
1957	147,055	62.5	9,190,911	
1958	167,834	61.5	10,321,799	
1959	206,115	60.5	12,469,939	
1960	190,777	59.5	11,351,256	
1961	203,967	58.5	11,932,067	
1962	221,076	57.5	12,711,842	
1963	231,978	56.5	13,106,737	
1964	258,513	55.5	14,347,450	
1965	221,308	54.5	12,061,271	
1966	213,686	53.5	11,432,220	
1967	267,743	52.5	14,056,496	
1968	283,180	51.5	14,583,773	
1969	260,240	50.5	13,142,109	
1970	256,585	49.5	12,700,939	
1971	392,211	48.5	19,022,213	
1972	381,179	47.5	18,105,981	
1973	363,206	46.5	16,889,098	
1974	379,032	45.5	17,245,940	
1975	423,843	44.5	18,861,015	
1976	457,286	43.5	19,891,921	
1977	496,914	42.5	21,118,827	
1978	579,878	41.5	24,064,920	
1979	533,200	40.5	21,594,615	
1980	525,862	39.5	20,771,541	
1981	682,226	38.5	26,265,690	
1982	649,083	37.5	24,340,612	
1983	749,286	36.5	27,348,934	
1984	886,204	35.5	31,460,227	
1985	665,191	34.5	22,949,092	
1986	570,032	33.5	19,096,070	
1987	466,202	32.5	15,151,562	
1988	518,235	31.5	16,324,414	
1989	606,303	30.5	18,492,235	
1990	540,747	29.5	15,952,048	
1991	1,765,348	28.5	50,312,431	
1992	512,103	27.5	14,082,840	
1993	1,554,029	26.5	41,181,766	
1994	428,300	25.5	10,921,656	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 369 Services**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1995	267,949	24.5	6,564,750	
1996	1,516,318	23.5	35,633,462	
1997	1,010,833	22.5	22,743,736	
1998	898,739	21.5	19,322,896	
1999	1,230,590	20.5	25,227,090	
2000	469,157	19.5	9,148,555	
2001	931,941	18.5	17,240,914	
2002	122,591	17.5	2,145,335	
2003	1,702,335	16.5	28,088,526	
2004	2,685,682	15.5	41,628,078	
2005	3,286,168	14.5	47,649,437	
2006	3,989,155	13.5	53,853,588	
2007	3,437,900	12.5	42,973,751	
2008	3,535,873	11.5	40,662,539	
2009	4,042,037	10.5	42,441,391	
2010	11,527,039	9.5	109,506,869	
2011	4,069,306	8.5	34,589,102	
2012	4,678,882	7.5	35,091,612	
2013	6,392,527	6.5	41,551,428	
2014	3,138,410	5.5	17,261,255	
2015	3,378,335	4.5	15,202,506	
2016	3,522,097	3.5	12,327,341	
2017	3,789,264	2.5	9,473,161	
2018	3,881,776	1.5	5,822,664	
2019	<u>4,496,086</u>	0.5	<u>2,248,043</u>	
	96,876,860		1,464,053,005	<b>15.11</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 370 Meters**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1959	34,275	60.5	2,073,615	
1960	9,028	59.5	537,148	
1961	10,220	58.5	597,842	
1962	6,406	57.5	368,355	
1963	18,108	56.5	1,023,129	
1964	22,505	55.5	1,249,017	
1965	30,267	54.5	1,649,554	
1966	20,327	53.5	1,087,469	
1967	27,435	52.5	1,440,360	
1968	22,126	51.5	1,139,487	
1969	30,172	50.5	1,523,673	
1970	30,302	49.5	1,499,963	
1971	45,601	48.5	2,211,654	
1972	56,078	47.5	2,663,720	
1973	53,522	46.5	2,488,794	
1974	54,393	45.5	2,474,876	
1975	45,227	44.5	2,012,604	
1976	63,360	43.5	2,756,160	
1977	59,120	42.5	2,512,606	
1978	75,898	41.5	3,149,778	
1979	88,576	40.5	3,587,332	
1980	90,541	39.5	3,576,376	
1981	100,768	38.5	3,879,565	
1982	113,157	37.5	4,243,381	
1983	164,885	36.5	6,018,292	
1984	189,171	35.5	6,715,583	
1985	240,271	34.5	8,289,340	
1986	299,735	33.5	10,041,117	
1987	346,617	32.5	11,265,037	
1988	281,899	31.5	8,879,825	
1989	348,690	30.5	10,635,044	
1990	416,210	29.5	12,278,197	
1991	376,537	28.5	10,731,295	
1992	316,609	27.5	8,706,758	
1993	572,884	26.5	15,181,429	
1994	563,598	25.5	14,371,756	
1995	817,598	24.5	20,031,146	
1996	440,980	23.5	10,363,024	
1997	785,995	22.5	17,684,878	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 370 Meters**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1998	380,232	21.5	8,174,994	
1999	764,060	20.5	15,663,239	
2000	792,259	19.5	15,449,046	
2001	824,051	18.5	15,244,939	
2002	1,329,002	17.5	23,257,540	
2003	515,995	16.5	8,513,914	
2004	997,239	15.5	15,457,203	
2005	888,504	14.5	12,883,315	
2006	1,715,455	13.5	23,158,647	
2007	2,090,305	12.5	26,128,810	
2008	2,161,625	11.5	24,858,683	
2009	1,762,113	10.5	18,502,185	
2010	6,331,644	9.5	60,150,617	
2011	1,581,030	8.5	13,438,756	
2012	3,291,246	7.5	24,684,341	
2013	15,391,678	6.5	100,045,907	
2014	6,512,477	5.5	35,818,625	
2015	10,465,035	4.5	47,092,657	
2016	13,051,431	3.5	45,680,009	
2017	2,269,528	2.5	5,673,821	
2018	2,873,969	1.5	4,310,953	
2019	<u>2,516,952</u>	0.5	<u>1,258,476</u>	
	85,774,920		766,385,856	<b>8.93</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 371 Installations on Customers Premises**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1959	8	60.5	509	
1961	684	58.5	39,999	
1962	18	57.5	1,046	
1963	1,135	56.5	64,133	
1964	359	55.5	19,917	
1965	1,306	54.5	71,199	
1966	2,350	53.5	125,717	
1967	63	52.5	3,288	
1968	29	51.5	1,472	
1969	1,070	50.5	54,040	
1970	3,848	49.5	190,460	
1971	36,596	48.5	1,774,892	
1972	40,884	47.5	1,941,971	
1973	16,280	46.5	757,004	
1974	31,075	45.5	1,413,923	
1975	29,891	44.5	1,330,170	
1976	76,408	43.5	3,323,761	
1977	46,420	42.5	1,972,833	
1978	52,720	41.5	2,187,897	
1979	59,060	40.5	2,391,925	
1980	108,180	39.5	4,273,118	
1981	367,793	38.5	14,160,030	
1982	257,426	37.5	9,653,474	
1983	298,515	36.5	10,895,810	
1984	352,443	35.5	12,511,742	
1985	261,204	34.5	9,011,529	
1986	326,881	33.5	10,950,529	
1987	323,929	32.5	10,527,682	
1988	251,412	31.5	7,919,489	
1989	373,503	30.5	11,391,829	
1990	210,166	29.5	6,199,893	
1991	670,252	28.5	19,102,187	
1992	933,291	27.5	25,665,502	
1993	1,181,390	26.5	31,306,832	
1994	476,613	25.5	12,153,639	
1995	2,590,842	24.5	63,475,618	
1996	2,041,862	23.5	47,983,748	
1997	1,550,666	22.5	34,889,992	
1998	1,346,119	21.5	28,941,564	
1999	1,321,403	20.5	27,088,769	
2000	1,053,460	19.5	20,542,460	
2001	369,181	18.5	6,829,856	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 371 Installations on Customers Premises**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
2002	161,915	17.5	2,833,510	
2003	979,264	16.5	16,157,861	
2004	794,676	15.5	12,317,483	
2005	985,875	14.5	14,295,192	
2006	816,405	13.5	11,021,465	
2007	1,296,128	12.5	16,201,606	
2008	1,245,124	11.5	14,318,931	
2009	1,016,490	10.5	10,673,149	
2010	2,745,635	9.5	26,083,528	
2011	1,295,244	8.5	11,009,577	
2012	1,902,119	7.5	14,265,892	
2013	3,253,019	6.5	21,144,625	
2014	1,477,302	5.5	8,125,160	
2015	1,557,226	4.5	7,007,516	
2016	1,872,228	3.5	6,552,796	
2017	2,112,770	2.5	5,281,924	
2018	1,664,855	1.5	2,497,283	
2019	<u>1,773,246</u>	0.5	<u>886,623</u>	
	44,016,257		643,815,569	<b>14.63</b>



**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 373 Street Lighting**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1929	1,209	90.5	109,420	
1934	288	85.5	24,594	
1939	6,467	80.5	520,597	
1940	163	79.5	12,931	
1942	121	77.5	9,372	
1945	13	74.5	967	
1946	72	73.5	5,302	
1947	32	72.5	2,350	
1948	1,262	71.5	90,255	
1949	5,285	70.5	372,593	
1950	7,546	69.5	524,464	
1951	22,559	68.5	1,545,325	
1952	4,161	67.5	280,871	
1953	6,864	66.5	456,481	
1954	17,857	65.5	1,169,601	
1955	8,650	64.5	557,906	
1956	30,316	63.5	1,925,091	
1957	37,736	62.5	2,358,473	
1958	6,706	61.5	412,420	
1959	16,160	60.5	977,699	
1960	32,790	59.5	1,950,998	
1961	53,506	58.5	3,130,111	
1962	70,009	57.5	4,025,545	
1963	44,567	56.5	2,518,013	
1964	46,276	55.5	2,568,305	
1965	34,192	54.5	1,863,452	
1966	42,807	53.5	2,290,158	
1967	44,312	52.5	2,326,363	
1968	111,981	51.5	5,767,040	
1969	103,379	50.5	5,220,657	
1970	101,707	49.5	5,034,472	
1971	144,387	48.5	7,002,782	
1972	118,689	47.5	5,637,706	
1973	175,928	46.5	8,180,672	
1974	180,090	45.5	8,194,105	
1975	164,264	44.5	7,309,728	
1976	103,856	43.5	4,517,726	
1977	173,834	42.5	7,387,956	
1978	147,521	41.5	6,122,118	
1979	345,973	40.5	14,011,888	
1980	342,705	39.5	13,536,841	
1981	497,087	38.5	19,137,842	

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 31, 2019  
CALCULATION OF AVERAGE AGE OF SURVIVING PLANT**

**DISTRIBUTION PLANT, Account 373 Street Lighting**

<u>VINTAGE YEAR</u>	<u>SURVIVING BALANCE</u>	<u>AGE (YEARS)</u>	<u>DOLLAR YEARS</u>	<u>AVERAGE AGE (YEARS)</u>
1982	617,890	37.5	23,170,868	
1983	783,525	36.5	28,598,654	
1984	391,554	35.5	13,900,165	
1985	555,713	34.5	19,172,111	
1986	558,328	33.5	18,704,002	
1987	500,925	32.5	16,280,052	
1988	757,602	31.5	23,864,475	
1989	862,018	30.5	26,291,539	
1990	1,065,160	29.5	31,422,232	
1991	551,228	28.5	15,709,996	
1992	764,008	27.5	21,010,219	
1993	1,008,824	26.5	26,733,846	
1994	679,801	25.5	17,334,937	
1995	749,589	24.5	18,364,928	
1996	1,529,153	23.5	35,935,101	
1997	1,230,175	22.5	27,678,932	
1998	899,207	21.5	19,332,941	
1999	1,662,747	20.5	34,086,304	
2000	1,566,703	19.5	30,550,700	
2001	1,830,546	18.5	33,865,092	
2002	561,752	17.5	9,830,653	
2003	612,587	16.5	10,107,693	
2004	698,184	15.5	10,821,850	
2005	1,039,429	14.5	15,071,717	
2006	1,124,303	13.5	15,178,086	
2007	1,067,762	12.5	13,347,024	
2008	984,625	11.5	11,323,193	
2009	944,130	10.5	9,913,368	
2010	1,690,410	9.5	16,058,891	
2011	955,190	8.5	8,119,116	
2012	1,339,596	7.5	10,046,969	
2013	2,229,157	6.5	14,489,518	
2014	828,489	5.5	4,556,690	
2015	1,117,757	4.5	5,029,905	
2016	1,369,038	3.5	4,791,634	
2017	1,702,612	2.5	4,256,529	
2018	1,064,578	1.5	1,596,867	
2019	<u>1,650,675</u>	0.5	<u>825,338</u>	
	42,798,295		796,463,325	<b>18.61</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY**

**DEPRECIATION STUDY AS OF DECEMBER 31, 2019**

**DISTRIBUTION PLANT**

**GENERATION ARRANGEMENT REPORT**

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**GENERATION ARRANGEMENT REPORT**  
**Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 360 Land Rights

Dispersion: 60.00, R4.0

Average Net Salvage Rate: 0.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2018	1.5	\$103,901	60.00	58.50	0.9750	1.0000	\$101,306	\$1,732
2011	8.5	\$53,522	60.00	51.52	0.8586	1.0000	\$45,957	\$892
2010	9.5	\$194,262	60.00	50.52	0.8421	1.0000	\$163,581	\$3,238
2008	11.5	\$25,879	60.00	48.54	0.8089	1.0000	\$20,935	\$431
2005	14.5	\$35,763	60.00	45.57	0.7595	1.0000	\$27,161	\$596
2004	15.5	\$301	60.00	44.58	0.7430	1.0000	\$224	\$5
2003	16.5	\$488,216	60.00	43.60	0.7266	1.0000	\$354,746	\$8,137
2001	18.5	\$286,701	60.00	41.64	0.6940	1.0000	\$198,959	\$4,778
1999	20.5	\$193,912	60.00	39.69	0.6615	1.0000	\$128,276	\$3,232
1996	23.5	\$69,464	60.00	36.80	0.6134	1.0000	\$42,606	\$1,158
1995	24.5	\$14,971	60.00	35.85	0.5975	1.0000	\$8,944	\$250
1994	25.5	\$145,318	60.00	34.90	0.5817	1.0000	\$84,525	\$2,422
1993	26.5	\$111,281	60.00	33.96	0.5660	1.0000	\$62,984	\$1,855
1992	27.5	\$35,913	60.00	33.02	0.5504	1.0000	\$19,767	\$599
1991	28.5	\$18,075	60.00	32.10	0.5349	1.0000	\$9,669	\$301
1990	29.5	\$45,261	60.00	31.18	0.5196	1.0000	\$23,519	\$754
1989	30.5	\$56,049	60.00	30.27	0.5044	1.0000	\$28,273	\$934
1988	31.5	\$74,992	60.00	29.36	0.4894	1.0000	\$36,698	\$1,250
1987	32.5	\$75,121	60.00	28.47	0.4745	1.0000	\$35,646	\$1,252
1986	33.5	\$79,997	60.00	27.59	0.4598	1.0000	\$36,780	\$1,333
1985	34.5	\$89,380	60.00	26.71	0.4452	1.0000	\$39,794	\$1,490
1984	35.5	\$106,118	60.00	25.85	0.4308	1.0000	\$45,719	\$1,769
1983	36.5	\$162,597	60.00	25.00	0.4166	1.0000	\$67,740	\$2,710
1982	37.5	\$91,861	60.00	24.15	0.4026	1.0000	\$36,980	\$1,531
1981	38.5	\$75,975	60.00	23.33	0.3888	1.0000	\$29,539	\$1,266
1980	39.5	\$102,836	60.00	22.51	0.3752	1.0000	\$38,579	\$1,714
1979	40.5	\$58,005	60.00	21.70	0.3617	1.0000	\$20,981	\$967
1978	41.5	\$26,161	60.00	20.91	0.3486	1.0000	\$9,118	\$436
1977	42.5	\$38,022	60.00	20.13	0.3355	1.0000	\$12,758	\$634
1976	43.5	\$16,352	60.00	19.36	0.3227	1.0000	\$5,277	\$273
1975	44.5	\$33,713	60.00	18.61	0.3102	1.0000	\$10,457	\$562
1974	45.5	\$23,498	60.00	17.87	0.2978	1.0000	\$6,998	\$392
1973	46.5	\$26,344	60.00	17.14	0.2856	1.0000	\$7,524	\$439
1972	47.5	\$25,478	60.00	16.42	0.2737	1.0000	\$6,973	\$425
1971	48.5	\$33,157	60.00	15.72	0.2619	1.0000	\$8,684	\$553
1970	49.5	\$24,744	60.00	15.02	0.2503	1.0000	\$6,194	\$412
1969	50.5	\$40,298	60.00	14.34	0.2390	1.0000	\$9,631	\$672
1968	51.5	\$19,328	60.00	13.67	0.2278	1.0000	\$4,402	\$322
1967	52.5	\$14,683	60.00	13.01	0.2168	1.0000	\$3,183	\$245
1966	53.5	\$31,111	60.00	12.37	0.2062	1.0000	\$6,414	\$519
1965	54.5	\$24,023	60.00	11.75	0.1958	1.0000	\$4,703	\$400
1964	55.5	\$24,196	60.00	11.15	0.1858	1.0000	\$4,495	\$403
1963	56.5	\$17,130	60.00	10.58	0.1763	1.0000	\$3,020	\$286
1962	57.5	\$38,877	60.00	10.03	0.1671	1.0000	\$6,498	\$648
1961	58.5	\$22,329	60.00	9.51	0.1584	1.0000	\$3,538	\$372

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 360 Land Rights

Dispersion: 60.00, R4.0

Average Net Salvage Rate: 0.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1960	59.5	\$7,905	60.00	9.02	0.1503	1.0000	\$1,188	\$132
1959	60.5	\$8,792	60.00	8.55	0.1425	1.0000	\$1,253	\$147
1958	61.5	\$5,172	60.00	8.11	0.1352	1.0000	\$699	\$86
1957	62.5	\$22,320	60.00	7.70	0.1283	1.0000	\$2,864	\$372
1956	63.5	\$6,671	60.00	7.31	0.1218	1.0000	\$812	\$111
1955	64.5	\$7,106	60.00	6.94	0.1156	1.0000	\$822	\$118
1954	65.5	\$6,681	60.00	6.58	0.1097	1.0000	\$733	\$111
1953	66.5	\$7,157	60.00	6.25	0.1041	1.0000	\$745	\$119
1952	67.5	\$4,139	60.00	5.93	0.0988	1.0000	\$409	\$69
1951	68.5	\$2,485	60.00	5.61	0.0936	1.0000	\$233	\$41
1950	69.5	\$12,692	60.00	5.32	0.0886	1.0000	\$1,125	\$212
1949	70.5	\$4,320	60.00	5.04	0.0839	1.0000	\$363	\$72
1948	71.5	\$38,034	60.00	4.74	0.0791	1.0000	\$3,007	\$634
1947	72.5	\$29,325	60.00	4.47	0.0745	1.0000	\$2,185	\$489
1946	73.5	\$1,100	60.00	4.21	0.0701	1.0000	\$77	\$18
1945	74.5	\$2,352	60.00	3.93	0.0655	1.0000	\$154	\$39
1944	75.5	\$2,880	60.00	3.67	0.0612	1.0000	\$176	\$48
1943	76.5	\$3,849	60.00	3.40	0.0567	1.0000	\$218	\$64
1942	77.5	\$1,515	60.00	3.14	0.0524	1.0000	\$79	\$25
1941	78.5	\$8,982	60.00	2.89	0.0482	1.0000	\$433	\$150
1940	79.5	\$1,098	60.00	2.66	0.0443	1.0000	\$49	\$18
1939	80.5	\$1,402	60.00	2.39	0.0399	1.0000	\$56	\$23
1938	81.5	\$1,824	60.00	2.16	0.0360	1.0000	\$66	\$30
1937	82.5	\$2,086	60.00	1.95	0.0326	1.0000	\$68	\$35
1936	83.5	\$3,765	60.00	1.70	0.0283	1.0000	\$106	\$63
1935	84.5	\$1,128	60.00	1.49	0.0248	1.0000	\$28	\$19
1934	85.5	\$2,929	60.00	1.32	0.0219	1.0000	\$64	\$49
1933	86.5	\$5,082	60.00	1.07	0.0178	1.0000	\$90	\$85
1932	87.5	\$7,731	60.00	0.88	0.0146	1.0000	\$113	\$129
1931	88.5	\$41,866	60.00	0.78	0.0129	1.0000	\$541	\$698
1930	89.5	\$11,641	60.00	0.55	0.0092	1.0000	\$107	\$194
1929	90.5	\$3,721	60.00	0.00	0.0000	0.0000	\$0	\$0
1928	91.5	\$6,901	60.00	0.00	0.0000	0.0000	\$0	\$0
1927	92.5	\$43,374	60.00	0.00	0.0000	0.0000	\$0	\$0
		<b>\$3,593,142</b>	<b>60.00</b>	<b>30.87</b>	<b>0.5145</b>	<b>1.0000</b>	<b>\$1,848,618</b>	<b>\$58,986</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**GENERATION ARRANGEMENT REPORT**  
**Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 361 Structures and Improvements

Dispersion: 75.00, R3.0

Average Net Salvage Rate: -11.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$322,320	75.00	74.51	1.1027	1.0000	\$355,423	\$4,770
2018	1.5	\$2,943,839	75.00	73.52	1.0882	1.0000	\$3,203,343	\$43,569
2017	2.5	\$904,286	75.00	72.54	1.0736	1.0000	\$970,864	\$13,383
2014	5.5	\$348,249	75.00	69.61	1.0302	1.0000	\$358,764	\$5,154
2012	7.5	\$233,910	75.00	67.66	1.0014	1.0000	\$234,238	\$3,462
2010	9.5	\$1,207,562	75.00	65.73	0.9727	1.0000	\$1,174,648	\$17,872
2009	10.5	\$966,035	75.00	64.76	0.9585	1.0000	\$925,932	\$14,297
2008	11.5	\$253,000	75.00	63.80	0.9443	1.0000	\$238,900	\$3,744
2007	12.5	\$37,403	75.00	62.84	0.9301	1.0000	\$34,788	\$554
2004	15.5	\$32,269	75.00	59.99	0.8879	1.0000	\$28,650	\$478
2003	16.5	\$32,118	75.00	59.05	0.8739	1.0000	\$28,068	\$475
2001	18.5	\$4,666	75.00	57.17	0.8461	1.0000	\$3,948	\$69
1997	22.5	\$11,439	75.00	53.47	0.7914	1.0000	\$9,052	\$169
1994	25.5	\$42,068	75.00	50.75	0.7510	1.0000	\$31,595	\$623
1993	26.5	\$56,031	75.00	49.85	0.7377	1.0000	\$41,336	\$829
1992	27.5	\$252,105	75.00	48.95	0.7245	1.0000	\$182,650	\$3,731
1991	28.5	\$6,300	75.00	48.07	0.7114	1.0000	\$4,481	\$93
1990	29.5	\$9,079	75.00	47.18	0.6983	1.0000	\$6,340	\$134
1989	30.5	\$70,043	75.00	46.31	0.6853	1.0000	\$48,004	\$1,037
1988	31.5	\$37,716	75.00	45.44	0.6725	1.0000	\$25,363	\$558
1987	32.5	\$969	75.00	44.57	0.6597	1.0000	\$639	\$14
1986	33.5	\$13,399	75.00	43.71	0.6470	1.0000	\$8,669	\$198
1985	34.5	\$31,554	75.00	42.86	0.6344	1.0000	\$20,017	\$467
1984	35.5	\$187,778	75.00	42.02	0.6219	1.0000	\$116,772	\$2,779
1983	36.5	\$190,437	75.00	41.18	0.6094	1.0000	\$116,055	\$2,818
1982	37.5	\$123,770	75.00	40.34	0.5971	1.0000	\$73,903	\$1,832
1981	38.5	\$65,260	75.00	39.52	0.5849	1.0000	\$38,169	\$966
1980	39.5	\$3,936	75.00	38.70	0.5727	1.0000	\$2,254	\$58
1979	40.5	\$170,462	75.00	37.88	0.5607	1.0000	\$95,577	\$2,523
1978	41.5	\$123,371	75.00	37.08	0.5488	1.0000	\$67,703	\$1,826
1977	42.5	\$43,501	75.00	36.28	0.5369	1.0000	\$23,356	\$644
1976	43.5	\$145,770	75.00	35.49	0.5252	1.0000	\$76,560	\$2,157
1975	44.5	\$23,149	75.00	34.70	0.5136	1.0000	\$11,889	\$343
1974	45.5	\$126,139	75.00	33.92	0.5021	1.0000	\$63,330	\$1,867
1973	46.5	\$35,347	75.00	33.15	0.4907	1.0000	\$17,344	\$523
1972	47.5	\$54,816	75.00	32.39	0.4794	1.0000	\$26,279	\$811
1971	48.5	\$21,874	75.00	31.63	0.4682	1.0000	\$10,241	\$324
1970	49.5	\$70,082	75.00	30.89	0.4572	1.0000	\$32,039	\$1,037
1969	50.5	\$29,020	75.00	30.15	0.4462	1.0000	\$12,950	\$430
1968	51.5	\$12,956	75.00	29.42	0.4354	1.0000	\$5,641	\$192
1967	52.5	\$21,370	75.00	28.70	0.4247	1.0000	\$9,076	\$316
1966	53.5	\$24,100	75.00	27.98	0.4141	1.0000	\$9,981	\$357
1965	54.5	\$34,167	75.00	27.27	0.4037	1.0000	\$13,792	\$506
1964	55.5	\$18,771	75.00	26.58	0.3934	1.0000	\$7,384	\$278
1963	56.5	\$3,443	75.00	25.89	0.3832	1.0000	\$1,320	\$51

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**GENERATION ARRANGEMENT REPORT**  
**Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 361 Structures and Improvements

Dispersion: 75.00, R3.0

Average Net Salvage Rate: -11.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1962	57.5	\$16,730	75.00	25.21	0.3732	1.0000	\$6,243	\$248
1961	58.5	\$22,725	75.00	24.55	0.3633	1.0000	\$8,256	\$336
1960	59.5	\$8,220	75.00	23.89	0.3536	1.0000	\$2,906	\$122
1959	60.5	\$25,092	75.00	23.24	0.3439	1.0000	\$8,630	\$371
1958	61.5	\$30,314	75.00	22.60	0.3345	1.0000	\$10,141	\$449
1957	62.5	\$14,368	75.00	21.98	0.3253	1.0000	\$4,673	\$213
1956	63.5	\$8,967	75.00	21.36	0.3161	1.0000	\$2,835	\$133
1955	64.5	\$2,283	75.00	20.76	0.3072	1.0000	\$701	\$34
1954	65.5	\$11,525	75.00	20.16	0.2984	1.0000	\$3,439	\$171
1953	66.5	\$16,209	75.00	19.58	0.2898	1.0000	\$4,697	\$240
1952	67.5	\$14,733	75.00	19.01	0.2814	1.0000	\$4,145	\$218
1951	68.5	\$6,351	75.00	18.45	0.2731	1.0000	\$1,735	\$94
1950	69.5	\$4,254	75.00	17.91	0.2650	1.0000	\$1,127	\$63
1949	70.5	\$7,936	75.00	17.38	0.2572	1.0000	\$2,041	\$117
1948	71.5	\$5,170	75.00	16.86	0.2495	1.0000	\$1,290	\$77
1947	72.5	\$967	75.00	16.35	0.2419	1.0000	\$234	\$14
1946	73.5	\$90	75.00	15.85	0.2346	1.0000	\$21	\$1
1944	75.5	\$317	75.00	14.90	0.2205	1.0000	\$70	\$5
1943	76.5	\$383	75.00	14.44	0.2137	1.0000	\$82	\$6
1942	77.5	\$534	75.00	14.00	0.2072	1.0000	\$111	\$8
1941	78.5	\$250	75.00	13.57	0.2008	1.0000	\$50	\$4
1938	81.5	\$268	75.00	12.34	0.1827	1.0000	\$49	\$4
1934	85.5	\$998	75.00	10.88	0.1610	1.0000	\$161	\$15
1931	88.5	\$1,933	75.00	9.89	0.1463	1.0000	\$283	\$29
1929	90.5	\$993	75.00	9.27	0.1372	1.0000	\$136	\$15
1928	91.5	\$3,146	75.00	8.97	0.1328	1.0000	\$418	\$47
1926	93.5	\$518	75.00	8.40	0.1244	1.0000	\$64	\$8
		\$9,551,154	75.00	62.48	0.9247	1.0000	\$8,831,866	\$141,357

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**GENERATION ARRANGEMENT REPORT**  
**Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 362 Station Equipment

Dispersion: 57.00, S0.5

Average Net Salvage Rate: -16.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$10,782,133	57.00	56.50	1.1499	1.0000	\$12,398,549	\$219,426
2018	1.5	\$24,447,960	57.00	55.53	1.1301	1.0000	\$27,629,130	\$497,537
2017	2.5	\$21,471,678	57.00	54.58	1.1108	1.0000	\$23,850,847	\$436,967
2016	3.5	\$10,589,207	57.00	53.65	1.0918	1.0000	\$11,561,386	\$215,500
2015	4.5	\$21,026,759	57.00	52.73	1.0731	1.0000	\$22,564,728	\$427,913
2014	5.5	\$13,645,477	57.00	51.83	1.0548	1.0000	\$14,393,527	\$277,697
2013	6.5	\$11,364,766	57.00	50.95	1.0369	1.0000	\$11,783,761	\$231,283
2012	7.5	\$33,026,174	57.00	50.08	1.0192	1.0000	\$33,659,840	\$672,112
2011	8.5	\$13,924,545	57.00	49.23	1.0018	1.0000	\$13,949,611	\$283,377
2010	9.5	\$14,233,177	57.00	48.39	0.9847	1.0000	\$14,015,675	\$289,658
2009	10.5	\$12,706,548	57.00	47.56	0.9680	1.0000	\$12,299,630	\$258,589
2008	11.5	\$14,514,097	57.00	46.75	0.9515	1.0000	\$13,809,944	\$295,375
2007	12.5	\$12,011,072	57.00	45.96	0.9353	1.0000	\$11,233,548	\$244,436
2006	13.5	\$10,376,959	57.00	45.17	0.9193	1.0000	\$9,539,641	\$211,180
2005	14.5	\$3,147,537	57.00	44.41	0.9037	1.0000	\$2,844,375	\$64,055
2004	15.5	\$6,542,630	57.00	43.65	0.8883	1.0000	\$5,811,674	\$133,148
2003	16.5	\$2,860,160	57.00	42.90	0.8731	1.0000	\$2,497,272	\$58,207
2002	17.5	\$6,070,466	57.00	42.17	0.8582	1.0000	\$5,209,761	\$123,539
2001	18.5	\$4,301,562	57.00	41.45	0.8436	1.0000	\$3,628,805	\$87,541
2000	19.5	\$2,649,231	57.00	40.74	0.8292	1.0000	\$2,196,713	\$53,914
1999	20.5	\$3,582,737	57.00	40.05	0.8150	1.0000	\$2,919,973	\$72,912
1998	21.5	\$2,573,089	57.00	39.36	0.8011	1.0000	\$2,061,183	\$52,365
1997	22.5	\$3,987,781	57.00	38.69	0.7874	1.0000	\$3,139,852	\$81,155
1996	23.5	\$5,272,998	57.00	38.03	0.7739	1.0000	\$4,080,589	\$107,310
1995	24.5	\$6,601,444	57.00	37.37	0.7606	1.0000	\$5,020,903	\$134,345
1994	25.5	\$3,103,157	57.00	36.73	0.7475	1.0000	\$2,319,578	\$63,152
1993	26.5	\$7,187,836	57.00	36.10	0.7346	1.0000	\$5,280,453	\$146,279
1992	27.5	\$3,555,808	57.00	35.48	0.7220	1.0000	\$2,567,153	\$72,364
1991	28.5	\$2,256,430	57.00	34.86	0.7095	1.0000	\$1,600,871	\$45,920
1990	29.5	\$2,614,558	57.00	34.26	0.6972	1.0000	\$1,822,792	\$53,209
1989	30.5	\$1,958,117	57.00	33.66	0.6850	1.0000	\$1,341,400	\$39,849
1988	31.5	\$975,105	57.00	33.08	0.6731	1.0000	\$656,387	\$19,844
1987	32.5	\$685,610	57.00	32.50	0.6614	1.0000	\$453,453	\$13,953
1986	33.5	\$417,723	57.00	31.93	0.6498	1.0000	\$271,432	\$8,501
1985	34.5	\$1,200,378	57.00	31.37	0.6384	1.0000	\$766,266	\$24,429
1984	35.5	\$1,551,915	57.00	30.82	0.6271	1.0000	\$973,238	\$31,583
1983	36.5	\$3,188,846	57.00	30.27	0.6160	1.0000	\$1,964,362	\$64,896
1982	37.5	\$1,786,587	57.00	29.73	0.6050	1.0000	\$1,080,968	\$36,359
1981	38.5	\$1,331,178	57.00	29.20	0.5942	1.0000	\$791,028	\$27,091
1980	39.5	\$757,528	57.00	28.68	0.5836	1.0000	\$442,094	\$15,416
1979	40.5	\$3,663,630	57.00	28.16	0.5731	1.0000	\$2,099,554	\$74,558
1978	41.5	\$1,944,843	57.00	27.65	0.5627	1.0000	\$1,094,352	\$39,579
1977	42.5	\$426,490	57.00	27.15	0.5524	1.0000	\$235,611	\$8,679
1976	43.5	\$1,648,059	57.00	26.65	0.5423	1.0000	\$893,806	\$33,539
1975	44.5	\$1,856,965	57.00	26.16	0.5323	1.0000	\$988,540	\$37,791



**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 362 Station Equipment

Dispersion: 57.00, S0.5

Average Net Salvage Rate: -16.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1974	45.5	\$1,218,596	57.00	25.67	0.5225	1.0000	\$636,688	\$24,800
1973	46.5	\$1,278,780	57.00	25.19	0.5127	1.0000	\$655,659	\$26,024
1972	47.5	\$1,306,384	57.00	24.72	0.5031	1.0000	\$657,238	\$26,586
1971	48.5	\$923,029	57.00	24.25	0.4936	1.0000	\$455,588	\$18,784
1970	49.5	\$1,364,930	57.00	23.79	0.4842	1.0000	\$660,862	\$27,778
1969	50.5	\$1,019,447	57.00	23.33	0.4749	1.0000	\$484,106	\$20,747
1968	51.5	\$861,595	57.00	22.88	0.4657	1.0000	\$401,225	\$17,534
1967	52.5	\$1,025,050	57.00	22.44	0.4566	1.0000	\$468,021	\$20,861
1966	53.5	\$734,209	57.00	21.99	0.4476	1.0000	\$328,620	\$14,942
1965	54.5	\$548,375	57.00	21.56	0.4387	1.0000	\$240,565	\$11,160
1964	55.5	\$723,262	57.00	21.12	0.4299	1.0000	\$310,916	\$14,719
1963	56.5	\$266,841	57.00	20.70	0.4212	1.0000	\$112,384	\$5,430
1962	57.5	\$394,681	57.00	20.27	0.4125	1.0000	\$162,823	\$8,032
1961	58.5	\$453,441	57.00	19.85	0.4040	1.0000	\$183,191	\$9,228
1960	59.5	\$320,876	57.00	19.44	0.3955	1.0000	\$126,920	\$6,530
1959	60.5	\$614,005	57.00	19.02	0.3872	1.0000	\$237,722	\$12,496
1958	61.5	\$649,844	57.00	18.62	0.3789	1.0000	\$246,204	\$13,225
1957	62.5	\$480,879	57.00	18.21	0.3707	1.0000	\$178,240	\$9,786
1956	63.5	\$417,789	57.00	17.81	0.3625	1.0000	\$151,447	\$8,502
1955	64.5	\$481,251	57.00	17.42	0.3544	1.0000	\$170,565	\$9,794
1954	65.5	\$414,884	57.00	17.02	0.3464	1.0000	\$143,725	\$8,443
1953	66.5	\$604,232	57.00	16.63	0.3385	1.0000	\$204,530	\$12,297
1952	67.5	\$203,192	57.00	16.25	0.3306	1.0000	\$67,177	\$4,135
1951	68.5	\$223,190	57.00	15.86	0.3228	1.0000	\$72,046	\$4,542
1950	69.5	\$271,324	57.00	15.48	0.3151	1.0000	\$85,485	\$5,522
1949	70.5	\$184,730	57.00	15.10	0.3074	1.0000	\$56,783	\$3,759
1948	71.5	\$265,732	57.00	14.73	0.2997	1.0000	\$79,651	\$5,408
1947	72.5	\$261,839	57.00	14.36	0.2922	1.0000	\$76,502	\$5,329
1946	73.5	\$67,218	57.00	13.99	0.2847	1.0000	\$19,134	\$1,368
1945	74.5	\$10,982	57.00	13.62	0.2772	1.0000	\$3,044	\$223
1944	75.5	\$18,083	57.00	13.26	0.2698	1.0000	\$4,878	\$368
1943	76.5	\$16,674	57.00	12.89	0.2624	1.0000	\$4,375	\$339
1942	77.5	\$5,868	57.00	12.53	0.2551	1.0000	\$1,497	\$119
1941	78.5	\$25,112	57.00	12.18	0.2478	1.0000	\$6,224	\$511
1940	79.5	\$13,939	57.00	11.82	0.2406	1.0000	\$3,353	\$284
1939	80.5	\$1,040	57.00	11.47	0.2334	1.0000	\$243	\$21
1938	81.5	\$38,905	57.00	11.12	0.2262	1.0000	\$8,802	\$792
1937	82.5	\$46,255	57.00	10.77	0.2191	1.0000	\$10,137	\$941
1936	83.5	\$29,082	57.00	10.42	0.2120	1.0000	\$6,166	\$592
1935	84.5	\$3,439	57.00	10.07	0.2050	1.0000	\$705	\$70
1934	85.5	\$10,192	57.00	9.73	0.1980	1.0000	\$2,018	\$207
1933	86.5	\$7,350	57.00	9.39	0.1910	1.0000	\$1,404	\$150
1932	87.5	\$830	57.00	9.05	0.1841	1.0000	\$153	\$17
1931	88.5	\$28,236	57.00	8.70	0.1771	1.0000	\$5,001	\$575
1930	89.5	\$5,275	57.00	8.36	0.1702	1.0000	\$898	\$107

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 362 Station Equipment**

**Dispersion: 57.00, S0.5**

**Average Net Salvage Rate: -16.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1929	90.5	\$1,687	57 00	8 03	0.1633	1 0000	\$276	\$34
1928	91 5	\$45,134	57 00	7 69	0 1565	1.0000	\$7,064	\$919
1927	92.5	\$8,044	57 00	7 35	0.1496	1.0000	\$1,203	\$164
1926	93 5	\$13,079	57 00	7 02	0.1428	1 0000	\$1,867	\$266
1925	94.5	\$4	57 00	6 68	0 1360	1.0000	\$0	\$0
1924	95.5	\$1,291	57.00	6.35	0.1292	1.0000	\$167	\$26
1923	96 5	\$1,901	57 00	6 01	0.1223	1 0000	\$233	\$39
		\$331,732,959	57.00	45.55	0.9269	1 0000	\$307,487,980	\$6,751,057

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 364 Poles and Fixtures

Dispersion: 55.00, S0.5

Average Net Salvage Rate: -64.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$24,396,104	55.00	54.50	1.6252	1.0000	\$39,649,362	\$727,447
2018	1.5	\$24,997,991	55.00	53.53	1.5963	1.0000	\$39,903,378	\$745,395
2017	2.5	\$20,233,387	55.00	52.58	1.5679	1.0000	\$31,724,119	\$603,323
2016	3.5	\$16,512,451	55.00	51.65	1.5402	1.0000	\$25,432,728	\$492,371
2015	4.5	\$11,689,872	55.00	50.74	1.5130	1.0000	\$17,686,277	\$348,571
2014	5.5	\$12,478,803	55.00	49.84	1.4862	1.0000	\$18,546,140	\$372,095
2013	6.5	\$11,247,430	55.00	48.96	1.4599	1.0000	\$16,420,575	\$335,378
2012	7.5	\$14,929,502	55.00	48.10	1.4341	1.0000	\$21,410,804	\$445,171
2011	8.5	\$9,924,661	55.00	47.25	1.4089	1.0000	\$13,982,525	\$295,935
2010	9.5	\$38,351,457	55.00	46.41	1.3840	1.0000	\$53,078,296	\$1,143,571
2009	10.5	\$10,221,572	55.00	45.59	1.3596	1.0000	\$13,896,795	\$304,789
2008	11.5	\$16,001,898	55.00	44.79	1.3355	1.0000	\$21,371,306	\$477,148
2007	12.5	\$19,240,398	55.00	44.00	1.3120	1.0000	\$25,242,530	\$573,714
2006	13.5	\$15,415,784	55.00	43.22	1.2888	1.0000	\$19,867,541	\$459,671
2005	14.5	\$11,533,734	55.00	42.46	1.2661	1.0000	\$14,602,777	\$343,915
2004	15.5	\$10,159,039	55.00	41.71	1.2437	1.0000	\$12,635,082	\$302,924
2003	16.5	\$12,444,442	55.00	40.97	1.2217	1.0000	\$15,203,922	\$371,071
2002	17.5	\$6,934,713	55.00	40.25	1.2001	1.0000	\$8,322,585	\$206,781
2001	18.5	\$10,560,710	55.00	39.54	1.1789	1.0000	\$12,449,803	\$314,901
2000	19.5	\$11,141,887	55.00	38.84	1.1581	1.0000	\$12,903,094	\$332,231
1999	20.5	\$9,149,555	55.00	38.15	1.1376	1.0000	\$10,408,083	\$272,823
1998	21.5	\$10,103,719	55.00	37.47	1.1174	1.0000	\$11,289,558	\$301,275
1997	22.5	\$10,449,446	55.00	36.81	1.0975	1.0000	\$11,468,379	\$311,583
1996	23.5	\$11,612,615	55.00	36.15	1.0780	1.0000	\$12,518,294	\$346,267
1995	24.5	\$11,970,687	55.00	35.51	1.0588	1.0000	\$12,674,301	\$356,944
1994	25.5	\$6,737,123	55.00	34.88	1.0399	1.0000	\$7,006,180	\$200,889
1993	26.5	\$14,884,199	55.00	34.25	1.0213	1.0000	\$15,201,917	\$443,820
1992	27.5	\$5,280,272	55.00	33.64	1.0030	1.0000	\$5,296,339	\$157,448
1991	28.5	\$5,417,717	55.00	33.03	0.9850	1.0000	\$5,336,615	\$161,546
1990	29.5	\$6,259,548	55.00	32.44	0.9673	1.0000	\$6,054,786	\$186,648
1989	30.5	\$4,924,003	55.00	31.86	0.9499	1.0000	\$4,677,133	\$146,825
1988	31.5	\$4,804,467	55.00	31.28	0.9327	1.0000	\$4,480,990	\$143,260
1987	32.5	\$4,370,502	55.00	30.71	0.9157	1.0000	\$4,002,210	\$130,320
1986	33.5	\$4,505,657	55.00	30.15	0.8990	1.0000	\$4,050,740	\$134,351
1985	34.5	\$3,846,470	55.00	29.60	0.8826	1.0000	\$3,394,801	\$114,695
1984	35.5	\$4,369,697	55.00	29.05	0.8664	1.0000	\$3,785,714	\$130,296
1983	36.5	\$4,681,739	55.00	28.52	0.8504	1.0000	\$3,981,409	\$139,601
1982	37.5	\$3,992,388	55.00	27.99	0.8347	1.0000	\$3,332,251	\$119,046
1981	38.5	\$3,426,643	55.00	27.47	0.8191	1.0000	\$2,806,815	\$102,176
1980	39.5	\$2,729,340	55.00	26.96	0.8038	1.0000	\$2,193,790	\$81,384
1979	40.5	\$2,870,784	55.00	26.45	0.7886	1.0000	\$2,264,023	\$85,602
1978	41.5	\$2,054,171	55.00	25.95	0.7738	1.0000	\$1,589,433	\$61,252
1977	42.5	\$1,516,271	55.00	25.46	0.7590	1.0000	\$1,150,889	\$45,212
1976	43.5	\$1,412,699	55.00	24.97	0.7445	1.0000	\$1,051,737	\$42,124
1975	44.5	\$2,162,434	55.00	24.49	0.7301	1.0000	\$1,578,860	\$64,480
1974	45.5	\$1,000,143	55.00	24.01	0.7160	1.0000	\$716,054	\$29,822
1973	46.5	\$755,359	55.00	23.54	0.7019	1.0000	\$530,223	\$22,523
1972	47.5	\$1,124,364	55.00	23.08	0.6881	1.0000	\$773,717	\$33,527

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 364 Poles and Fixtures

Dispersion: 55.00, S0.5

Average Net Salvage Rate: -64.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1971	48.5	\$875,177	55.00	22.62	0.6745	1.0000	\$590,276	\$26,096
1970	49.5	\$1,059,768	55.00	22.17	0.6610	1.0000	\$700,461	\$31,600
1969	50.5	\$1,183,943	55.00	21.72	0.6476	1.0000	\$766,732	\$35,303
1968	51.5	\$937,010	55.00	21.28	0.6344	1.0000	\$594,441	\$27,940
1967	52.5	\$1,089,355	55.00	20.84	0.6214	1.0000	\$676,872	\$32,483
1966	53.5	\$932,871	55.00	20.40	0.6084	1.0000	\$567,595	\$27,817
1965	54.5	\$826,547	55.00	19.98	0.5957	1.0000	\$492,342	\$24,646
1964	55.5	\$851,804	55.00	19.55	0.5830	1.0000	\$496,629	\$25,399
1963	56.5	\$669,348	55.00	19.13	0.5705	1.0000	\$381,877	\$19,959
1962	57.5	\$836,918	55.00	18.72	0.5581	1.0000	\$467,123	\$24,955
1961	58.5	\$660,139	55.00	18.31	0.5459	1.0000	\$360,353	\$19,684
1960	59.5	\$450,518	55.00	17.90	0.5337	1.0000	\$240,455	\$13,434
1959	60.5	\$548,894	55.00	17.50	0.5217	1.0000	\$286,364	\$16,367
1958	61.5	\$383,273	55.00	17.10	0.5098	1.0000	\$195,395	\$11,429
1957	62.5	\$397,925	55.00	16.70	0.4980	1.0000	\$198,166	\$11,865
1956	63.5	\$416,743	55.00	16.31	0.4863	1.0000	\$202,658	\$12,427
1955	64.5	\$614,983	55.00	15.92	0.4747	1.0000	\$291,929	\$18,338
1954	65.5	\$377,032	55.00	15.53	0.4632	1.0000	\$174,641	\$11,242
1953	66.5	\$594,191	55.00	15.15	0.4518	1.0000	\$268,457	\$17,718
1952	67.5	\$254,175	55.00	14.77	0.4405	1.0000	\$111,965	\$7,579
1951	68.5	\$383,550	55.00	14.40	0.4293	1.0000	\$164,651	\$11,437
1950	69.5	\$104,099	55.00	14.02	0.4181	1.0000	\$43,527	\$3,104
1949	70.5	\$177,469	55.00	13.65	0.4071	1.0000	\$72,244	\$5,292
1948	71.5	\$125,623	55.00	13.28	0.3961	1.0000	\$49,761	\$3,746
1947	72.5	\$62,132	55.00	12.92	0.3852	1.0000	\$23,936	\$1,853
1946	73.5	\$49,384	55.00	12.56	0.3744	1.0000	\$18,492	\$1,473
1945	74.5	\$14,595	55.00	12.20	0.3637	1.0000	\$5,307	\$435
1944	75.5	\$23,897	55.00	11.84	0.3530	1.0000	\$8,435	\$713
1943	76.5	\$15,744	55.00	11.48	0.3424	1.0000	\$5,390	\$469
1942	77.5	\$15,830	55.00	11.13	0.3318	1.0000	\$5,253	\$472
1941	78.5	\$23,693	55.00	10.78	0.3214	1.0000	\$7,614	\$706
1940	79.5	\$14,771	55.00	10.43	0.3110	1.0000	\$4,593	\$440
1939	80.5	\$67,520	55.00	10.08	0.3005	1.0000	\$20,291	\$2,013
1938	81.5	\$35	55.00	9.73	0.2902	1.0000	\$10	\$1
1937	82.5	\$33	55.00	9.39	0.2799	1.0000	\$9	\$1
1934	85.5	\$8,807	55.00	8.36	0.2493	1.0000	\$2,196	\$263
1931	88.5	\$156,024	55.00	7.35	0.2191	1.0000	\$34,188	\$4,652
		\$470,031,668	55.00	41.84	1.2477	1.0000	\$586,475,508	\$14,015,490

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 365 Overhead Conductor and Devices

Dispersion: 44.00, R1.0

Average Net Salvage Rate: -40.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$24,974,793	44.00	43.63	1.3882	1.0000	\$34,669,801	\$794,652
2018	1.5	\$23,507,039	44.00	42.89	1.3647	1.0000	\$32,080,054	\$747,951
2017	2.5	\$18,923,958	44.00	42.16	1.3414	1.0000	\$25,383,788	\$602,126
2016	3.5	\$21,089,805	44.00	41.43	1.3182	1.0000	\$27,800,776	\$671,039
2015	4.5	\$14,614,906	44.00	40.71	1.2952	1.0000	\$18,929,318	\$465,020
2014	5.5	\$17,775,335	44.00	39.99	1.2723	1.0000	\$22,616,112	\$565,579
2013	6.5	\$19,285,385	44.00	39.27	1.2496	1.0000	\$24,099,672	\$613,626
2012	7.5	\$16,201,356	44.00	38.57	1.2271	1.0000	\$19,880,213	\$515,498
2011	8.5	\$19,463,201	44.00	37.86	1.2046	1.0000	\$23,446,335	\$619,284
2010	9.5	\$32,737,910	44.00	37.16	1.1823	1.0000	\$38,707,139	\$1,041,661
2009	10.5	\$15,114,118	44.00	36.46	1.1602	1.0000	\$17,535,025	\$480,904
2008	11.5	\$24,419,538	44.00	35.77	1.1381	1.0000	\$27,792,434	\$776,985
2007	12.5	\$20,289,324	44.00	35.08	1.1162	1.0000	\$22,646,803	\$645,569
2006	13.5	\$18,377,406	44.00	34.39	1.0943	1.0000	\$20,111,291	\$584,736
2005	14.5	\$17,101,307	44.00	33.71	1.0726	1.0000	\$18,343,562	\$544,133
2004	15.5	\$8,284,700	44.00	33.03	1.0510	1.0000	\$8,707,453	\$263,604
2003	16.5	\$11,081,795	44.00	32.36	1.0295	1.0000	\$11,408,961	\$352,603
2002	17.5	\$6,836,049	44.00	31.68	1.0081	1.0000	\$6,891,750	\$217,511
2001	18.5	\$8,044,571	44.00	31.02	0.9869	1.0000	\$7,939,307	\$255,964
2000	19.5	\$10,182,879	44.00	30.35	0.9658	1.0000	\$9,834,823	\$324,001
1999	20.5	\$6,398,468	44.00	29.70	0.9448	1.0000	\$6,045,569	\$203,588
1998	21.5	\$8,177,398	44.00	29.04	0.9241	1.0000	\$7,556,540	\$260,190
1997	22.5	\$7,147,257	44.00	28.39	0.9035	1.0000	\$6,457,258	\$227,413
1996	23.5	\$10,825,346	44.00	27.75	0.8830	1.0000	\$9,559,118	\$344,443
1995	24.5	\$4,765,819	44.00	27.12	0.8628	1.0000	\$4,111,767	\$151,640
1994	25.5	\$6,695,556	44.00	26.49	0.8427	1.0000	\$5,642,538	\$213,040
1993	26.5	\$10,735,313	44.00	25.86	0.8229	1.0000	\$8,833,939	\$341,578
1992	27.5	\$5,229,248	44.00	25.24	0.8032	1.0000	\$4,200,332	\$166,385
1991	28.5	\$5,265,704	44.00	24.63	0.7838	1.0000	\$4,127,458	\$167,545
1990	29.5	\$3,940,534	44.00	24.03	0.7647	1.0000	\$3,013,222	\$125,381
1989	30.5	\$3,621,695	44.00	23.44	0.7457	1.0000	\$2,700,824	\$115,236
1988	31.5	\$3,466,225	44.00	22.85	0.7270	1.0000	\$2,519,934	\$110,289
1987	32.5	\$3,654,012	44.00	22.27	0.7085	1.0000	\$2,589,044	\$116,264
1986	33.5	\$4,305,458	44.00	21.70	0.6903	1.0000	\$2,972,235	\$136,992
1985	34.5	\$3,663,623	44.00	21.13	0.6724	1.0000	\$2,463,303	\$116,570
1984	35.5	\$4,204,722	44.00	20.57	0.6546	1.0000	\$2,752,554	\$133,787
1983	36.5	\$4,377,208	44.00	20.03	0.6372	1.0000	\$2,789,022	\$139,275
1982	37.5	\$3,498,472	44.00	19.48	0.6200	1.0000	\$2,168,923	\$111,315
1981	38.5	\$3,207,118	44.00	18.95	0.6030	1.0000	\$1,933,828	\$102,045
1980	39.5	\$2,348,019	44.00	18.43	0.5863	1.0000	\$1,376,613	\$74,710
1979	40.5	\$2,420,226	44.00	17.91	0.5698	1.0000	\$1,379,124	\$77,007
1978	41.5	\$1,788,321	44.00	17.40	0.5536	1.0000	\$990,080	\$56,901
1977	42.5	\$1,633,278	44.00	16.90	0.5377	1.0000	\$878,145	\$51,968
1976	43.5	\$1,407,071	44.00	16.40	0.5220	1.0000	\$734,442	\$44,770
1975	44.5	\$1,704,579	44.00	15.92	0.5065	1.0000	\$863,379	\$54,237
1974	45.5	\$1,450,295	44.00	15.44	0.4913	1.0000	\$712,514	\$46,146
1973	46.5	\$1,018,463	44.00	14.97	0.4763	1.0000	\$485,093	\$32,406
1972	47.5	\$1,320,335	44.00	14.51	0.4616	1.0000	\$609,429	\$42,011

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

Account: SWECO 101/6 365 Overhead Conductor and Devices

Dispersion: 44.00, R1.0

Average Net Salvage Rate: -40.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1971	48.5	\$1,184,815	44.00	14.05	0.4471	1.0000	\$529,690	\$37,699
1970	49.5	\$955,292	44.00	13.60	0.4328	1.0000	\$413,436	\$30,396
1969	50.5	\$932,718	44.00	13.16	0.4188	1.0000	\$390,576	\$29,677
1968	51.5	\$659,129	44.00	12.73	0.4049	1.0000	\$266,899	\$20,972
1967	52.5	\$689,352	44.00	12.30	0.3913	1.0000	\$269,768	\$21,934
1966	53.5	\$539,603	44.00	11.88	0.3780	1.0000	\$203,950	\$17,169
1965	54.5	\$439,257	44.00	11.46	0.3648	1.0000	\$160,236	\$13,976
1964	55.5	\$411,318	44.00	11.06	0.3518	1.0000	\$144,714	\$13,087
1963	56.5	\$290,260	44.00	10.66	0.3391	1.0000	\$98,423	\$9,236
1962	57.5	\$340,637	44.00	10.26	0.3265	1.0000	\$111,233	\$10,838
1961	58.5	\$202,961	44.00	9.87	0.3142	1.0000	\$63,770	\$6,458
1960	59.5	\$121,930	44.00	9.49	0.3021	1.0000	\$36,829	\$3,880
1959	60.5	\$157,872	44.00	9.12	0.2901	1.0000	\$45,804	\$5,023
1958	61.5	\$79,595	44.00	8.75	0.2784	1.0000	\$22,155	\$2,533
1957	62.5	\$83,254	44.00	8.38	0.2668	1.0000	\$22,210	\$2,649
1956	63.5	\$68,765	44.00	8.03	0.2554	1.0000	\$17,560	\$2,188
1955	64.5	\$62,420	44.00	7.68	0.2442	1.0000	\$15,244	\$1,986
1954	65.5	\$50,084	44.00	7.33	0.2332	1.0000	\$11,677	\$1,594
1953	66.5	\$55,614	44.00	6.99	0.2223	1.0000	\$12,362	\$1,770
1952	67.5	\$31,913	44.00	6.65	0.2116	1.0000	\$6,753	\$1,015
1951	68.5	\$36,610	44.00	6.32	0.2011	1.0000	\$7,364	\$1,165
1950	69.5	\$15,601	44.00	6.00	0.1908	1.0000	\$2,976	\$496
1949	70.5	\$18,420	44.00	5.67	0.1806	1.0000	\$3,326	\$586
1948	71.5	\$10,282	44.00	5.36	0.1707	1.0000	\$1,755	\$327
1947	72.5	\$6,330	44.00	5.05	0.1608	1.0000	\$1,018	\$201
1946	73.5	\$3,477	44.00	4.75	0.1510	1.0000	\$525	\$111
1945	74.5	\$1,450	44.00	4.44	0.1414	1.0000	\$205	\$46
1944	75.5	\$1,474	44.00	4.15	0.1321	1.0000	\$195	\$47
1943	76.5	\$971	44.00	3.85	0.1226	1.0000	\$119	\$31
1942	77.5	\$1,741	44.00	3.56	0.1132	1.0000	\$197	\$55
1941	78.5	\$2,929	44.00	3.26	0.1038	1.0000	\$304	\$93
1940	79.5	\$2,130	44.00	2.97	0.0945	1.0000	\$201	\$68
1939	80.5	\$11,440	44.00	2.66	0.0848	1.0000	\$970	\$364
1937	82.5	\$2	44.00	2.03	0.0646	1.0000	\$0	\$0
1934	85.5	\$1,649	44.00	1.04	0.0332	1.0000	\$55	\$52
1931	88.5	\$27,681	44.00	0.00	0.0000	0.0000	\$0	\$0
		\$474,074,113	44.00	33.95	1.0803	1.0000	\$512,153,342	\$15,083,296

**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**GENERATION ARRANGEMENT REPORT**  
**Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 366 Underground Conduit**

**Dispersion: 70.00, R4.0**

**Average Net Salvage Rate: 0.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$3,752,006	70.00	69.50	0.9929	1.0000	\$3,725,233	\$53,600
2018	1.5	\$2,633,136	70.00	68.50	0.9786	1.0000	\$2,576,767	\$37,616
2017	2.5	\$3,157,524	70.00	67.50	0.9643	1.0000	\$3,044,853	\$45,107
2016	3.5	\$3,360,231	70.00	66.50	0.9501	1.0000	\$3,192,415	\$48,003
2015	4.5	\$2,652,644	70.00	65.51	0.9358	1.0000	\$2,482,317	\$37,895
2014	5.5	\$2,228,855	70.00	64.51	0.9215	1.0000	\$2,053,979	\$31,841
2013	6.5	\$2,104,092	70.00	63.51	0.9073	1.0000	\$1,909,008	\$30,058
2012	7.5	\$2,188,557	70.00	62.51	0.8930	1.0000	\$1,954,454	\$31,265
2011	8.5	\$2,390,028	70.00	61.52	0.8788	1.0000	\$2,100,356	\$34,143
2010	9.5	\$1,987,172	70.00	60.52	0.8646	1.0000	\$1,718,062	\$28,388
2009	10.5	\$2,182,162	70.00	59.52	0.8504	1.0000	\$1,855,605	\$31,174
2008	11.5	\$3,637,513	70.00	58.53	0.8361	1.0000	\$3,041,478	\$51,964
2007	12.5	\$5,767,276	70.00	57.54	0.8219	1.0000	\$4,740,385	\$82,390
2006	13.5	\$3,933,307	70.00	56.54	0.8078	1.0000	\$3,177,194	\$56,190
2005	14.5	\$2,561,680	70.00	55.55	0.7936	1.0000	\$2,032,967	\$36,595
2004	15.5	\$1,446,460	70.00	54.56	0.7795	1.0000	\$1,127,455	\$20,664
2003	16.5	\$3,369,503	70.00	53.57	0.7653	1.0000	\$2,578,791	\$48,136
2002	17.5	\$839,157	70.00	52.59	0.7512	1.0000	\$630,401	\$11,988
2001	18.5	\$847,568	70.00	51.60	0.7372	1.0000	\$624,795	\$12,108
2000	19.5	\$1,251,562	70.00	50.62	0.7231	1.0000	\$905,020	\$17,879
1999	20.5	\$862,362	70.00	49.64	0.7091	1.0000	\$611,502	\$12,319
1998	21.5	\$1,474,228	70.00	48.66	0.6951	1.0000	\$1,024,768	\$21,060
1997	22.5	\$1,514,334	70.00	47.68	0.6812	1.0000	\$1,031,542	\$21,633
1996	23.5	\$1,876,854	70.00	46.71	0.6673	1.0000	\$1,252,387	\$26,812
1995	24.5	\$188,623	70.00	45.74	0.6534	1.0000	\$123,254	\$2,695
1994	25.5	\$2,185,436	70.00	44.78	0.6396	1.0000	\$1,397,910	\$31,221
1993	26.5	\$2,352,355	70.00	43.81	0.6259	1.0000	\$1,472,338	\$33,605
1992	27.5	\$664,376	70.00	42.86	0.6122	1.0000	\$406,746	\$9,491
1991	28.5	\$607,496	70.00	41.90	0.5986	1.0000	\$363,645	\$8,679
1990	29.5	\$519,584	70.00	40.95	0.5851	1.0000	\$303,987	\$7,423
1989	30.5	\$466,751	70.00	40.01	0.5716	1.0000	\$266,780	\$6,668
1988	31.5	\$532,420	70.00	39.07	0.5582	1.0000	\$297,191	\$7,606
1987	32.5	\$412,592	70.00	38.14	0.5449	1.0000	\$224,817	\$5,894
1986	33.5	\$601,515	70.00	37.22	0.5317	1.0000	\$319,800	\$8,593
1985	34.5	\$477,314	70.00	36.30	0.5185	1.0000	\$247,510	\$6,819
1984	35.5	\$479,250	70.00	35.39	0.5055	1.0000	\$242,265	\$6,846
1983	36.5	\$552,421	70.00	34.48	0.4926	1.0000	\$272,128	\$7,892
1982	37.5	\$337,749	70.00	33.58	0.4798	1.0000	\$162,046	\$4,825
1981	38.5	\$249,169	70.00	32.70	0.4671	1.0000	\$116,391	\$3,560
1980	39.5	\$244,533	70.00	31.82	0.4546	1.0000	\$111,155	\$3,493
1979	40.5	\$279,024	70.00	30.95	0.4421	1.0000	\$123,357	\$3,986
1978	41.5	\$191,177	70.00	30.09	0.4298	1.0000	\$82,170	\$2,731
1977	42.5	\$210,020	70.00	29.23	0.4176	1.0000	\$87,707	\$3,000
1976	43.5	\$218,528	70.00	28.39	0.4056	1.0000	\$88,634	\$3,122
1975	44.5	\$240,878	70.00	27.56	0.3937	1.0000	\$94,827	\$3,441
1974	45.5	\$132,565	70.00	26.74	0.3820	1.0000	\$50,633	\$1,894
1973	46.5	\$155,941	70.00	25.93	0.3704	1.0000	\$57,755	\$2,228
1972	47.5	\$162,291	70.00	25.12	0.3589	1.0000	\$58,246	\$2,318

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 366 Underground Conduit**

**Dispersion: 70.00, R4.0**

**Average Net Salvage Rate: 0.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1971	48.5	\$182,186	70.00	24.33	0.3476	1.0000	\$63,332	\$2,603
1970	49.5	\$59,297	70.00	23.55	0.3364	1.0000	\$19,950	\$847
1969	50.5	\$65,305	70.00	22.78	0.3255	1.0000	\$21,256	\$933
1968	51.5	\$30,146	70.00	22.02	0.3146	1.0000	\$9,484	\$431
1967	52.5	\$27,637	70.00	21.28	0.3040	1.0000	\$8,401	\$395
1966	53.5	\$15,151	70.00	20.54	0.2935	1.0000	\$4,446	\$216
1965	54.5	\$1,943	70.00	19.81	0.2831	1.0000	\$550	\$28
1964	55.5	\$39,981	70.00	19.10	0.2729	1.0000	\$10,909	\$571
1963	56.5	\$20,075	70.00	18.39	0.2627	1.0000	\$5,275	\$287
1962	57.5	\$24,165	70.00	17.70	0.2528	1.0000	\$6,110	\$345
1961	58.5	\$3,477	70.00	17.01	0.2430	1.0000	\$845	\$50
1960	59.5	\$39,257	70.00	16.33	0.2334	1.0000	\$9,161	\$561
1959	60.5	\$23,001	70.00	15.67	0.2239	1.0000	\$5,149	\$329
1958	61.5	\$38,786	70.00	15.02	0.2145	1.0000	\$8,320	\$554
1957	62.5	\$11,994	70.00	14.38	0.2054	1.0000	\$2,464	\$171
1956	63.5	\$50,114	70.00	13.76	0.1965	1.0000	\$9,847	\$716
1955	64.5	\$98,109	70.00	13.16	0.1880	1.0000	\$18,440	\$1,402
1954	65.5	\$18,975	70.00	12.57	0.1796	1.0000	\$3,408	\$271
1953	66.5	\$198,248	70.00	12.02	0.1717	1.0000	\$34,033	\$2,832
1952	67.5	\$19,147	70.00	11.48	0.1640	1.0000	\$3,141	\$274
1951	68.5	\$14,961	70.00	10.97	0.1567	1.0000	\$2,344	\$214
1950	69.5	\$27,463	70.00	10.48	0.1498	1.0000	\$4,113	\$392
1949	70.5	\$19,117	70.00	10.02	0.1431	1.0000	\$2,735	\$273
1948	71.5	\$74	70.00	9.57	0.1368	1.0000	\$10	\$1
1943	76.5	\$79	70.00	7.65	0.1093	1.0000	\$9	\$1
1940	79.5	\$3,154	70.00	6.68	0.0955	1.0000	\$301	\$45
1938	81.5	\$51,095	70.00	6.08	0.0868	1.0000	\$4,437	\$730
1937	82.5	\$82,676	70.00	5.80	0.0828	1.0000	\$6,845	\$1,181
1936	83.5	\$41	70.00	5.51	0.0787	1.0000	\$3	\$1
1932	87.5	\$101	70.00	4.43	0.0633	1.0000	\$6	\$1
1930	89.5	\$1,198	70.00	3.91	0.0559	1.0000	\$67	\$17
1928	91.5	\$3,762	70.00	3.40	0.0486	1.0000	\$183	\$54
		\$71,650,932	70.00	55.32	0.7903	1.0000	\$56,628,600	\$1,023,585



**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 367 Underground Conductor and Devices**

**Dispersion: 46.00, R3.0**

**Average Net Salvage Rate: -17.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$12,671,905	46.00	45.51	1.1575	1.0000	\$14,667,405	\$322,307
2018	1.5	\$8,284,844	46.00	44.53	1.1325	1.0000	\$9,382,518	\$210,723
2017	2.5	\$7,708,300	46.00	43.55	1.1076	1.0000	\$8,537,506	\$196,059
2016	3.5	\$9,882,571	46.00	42.57	1.0827	1.0000	\$10,700,232	\$251,361
2015	4.5	\$10,036,203	46.00	41.60	1.0580	1.0000	\$10,618,321	\$255,269
2014	5.5	\$7,151,215	46.00	40.63	1.0334	1.0000	\$7,389,767	\$181,890
2013	6.5	\$7,366,272	46.00	39.66	1.0088	1.0000	\$7,431,323	\$187,360
2012	7.5	\$8,906,249	46.00	38.70	0.9844	1.0000	\$8,767,550	\$226,529
2011	8.5	\$7,722,825	46.00	37.75	0.9602	1.0000	\$7,415,141	\$196,428
2010	9.5	\$9,907,533	46.00	36.80	0.9360	1.0000	\$9,273,588	\$251,996
2009	10.5	\$7,992,414	46.00	35.86	0.9120	1.0000	\$7,289,400	\$203,285
2008	11.5	\$8,794,147	46.00	34.92	0.8882	1.0000	\$7,811,239	\$223,677
2007	12.5	\$8,447,092	46.00	33.99	0.8646	1.0000	\$7,303,375	\$214,850
2006	13.5	\$9,391,456	46.00	33.07	0.8412	1.0000	\$7,899,638	\$238,870
2005	14.5	\$6,782,119	46.00	32.16	0.8179	1.0000	\$5,546,841	\$172,502
2004	15.5	\$4,397,530	46.00	31.25	0.7948	1.0000	\$3,495,276	\$111,850
2003	16.5	\$4,170,498	46.00	30.35	0.7720	1.0000	\$3,219,591	\$106,076
2002	17.5	\$3,212,209	46.00	29.46	0.7494	1.0000	\$2,407,202	\$81,702
2001	18.5	\$8,436,121	46.00	28.58	0.7270	1.0000	\$6,133,185	\$214,571
2000	19.5	\$6,741,333	46.00	27.71	0.7049	1.0000	\$4,751,796	\$171,464
1999	20.5	\$7,365,619	46.00	26.85	0.6830	1.0000	\$5,030,385	\$187,343
1998	21.5	\$8,320,451	46.00	26.00	0.6613	1.0000	\$5,502,567	\$211,629
1997	22.5	\$7,946,106	46.00	25.16	0.6400	1.0000	\$5,085,235	\$202,107
1996	23.5	\$9,616,102	46.00	24.33	0.6189	1.0000	\$5,951,103	\$244,583
1995	24.5	\$1,142,101	46.00	23.51	0.5980	1.0000	\$683,024	\$29,049
1994	25.5	\$3,316,146	46.00	22.70	0.5775	1.0000	\$1,915,064	\$84,345
1993	26.5	\$3,859,302	46.00	21.91	0.5572	1.0000	\$2,150,423	\$98,161
1992	27.5	\$2,446,242	46.00	21.12	0.5373	1.0000	\$1,314,252	\$62,220
1991	28.5	\$2,456,780	46.00	20.35	0.5176	1.0000	\$1,271,656	\$62,488
1990	29.5	\$1,844,023	46.00	19.59	0.4983	1.0000	\$918,827	\$46,902
1989	30.5	\$1,860,900	46.00	18.84	0.4793	1.0000	\$891,848	\$47,332
1988	31.5	\$2,501,804	46.00	18.11	0.4606	1.0000	\$1,152,261	\$63,633
1987	32.5	\$1,406,625	46.00	17.39	0.4422	1.0000	\$621,995	\$35,777
1986	33.5	\$3,312,326	46.00	16.68	0.4242	1.0000	\$1,405,146	\$84,248
1985	34.5	\$2,578,605	46.00	15.99	0.4066	1.0000	\$1,048,513	\$65,586
1984	35.5	\$2,464,895	46.00	15.31	0.3894	1.0000	\$959,854	\$62,694
1983	36.5	\$1,715,915	46.00	14.65	0.3726	1.0000	\$639,353	\$43,644
1982	37.5	\$1,558,641	46.00	14.00	0.3561	1.0000	\$555,106	\$39,644
1981	38.5	\$1,324,837	46.00	13.38	0.3402	1.0000	\$450,722	\$33,697
1980	39.5	\$1,615,102	46.00	12.77	0.3247	1.0000	\$524,477	\$41,080
1979	40.5	\$1,423,923	46.00	12.18	0.3097	1.0000	\$441,023	\$36,217
1978	41.5	\$1,041,495	46.00	11.61	0.2952	1.0000	\$307,451	\$26,490
1977	42.5	\$999,473	46.00	11.05	0.2812	1.0000	\$281,029	\$25,421
1976	43.5	\$874,540	46.00	10.52	0.2676	1.0000	\$234,030	\$22,244
1975	44.5	\$597,724	46.00	10.01	0.2546	1.0000	\$152,197	\$15,203
1974	45.5	\$614,862	46.00	9.52	0.2422	1.0000	\$148,902	\$15,639
1973	46.5	\$612,129	46.00	9.05	0.2302	1.0000	\$140,937	\$15,569
1972	47.5	\$833,279	46.00	8.60	0.2188	1.0000	\$182,347	\$21,194

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 367 Underground Conductor and Devices**

**Dispersion: 46.00, R3.0**

**Average Net Salvage Rate: -17.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1971	48.5	\$456,540	46.00	8.18	0.2079	1.0000	\$94,932	\$11,612
1970	49.5	\$158,979	46.00	7.77	0.1975	1.0000	\$31,406	\$4,044
1969	50.5	\$314,158	46.00	7.38	0.1877	1.0000	\$58,955	\$7,991
1968	51.5	\$92,198	46.00	7.01	0.1782	1.0000	\$16,434	\$2,345
1967	52.5	\$39,490	46.00	6.66	0.1693	1.0000	\$6,685	\$1,004
1966	53.5	\$22,092	46.00	6.32	0.1607	1.0000	\$3,551	\$562
1965	54.5	\$710	46.00	6.00	0.1526	1.0000	\$108	\$18
1964	55.5	\$1,262	46.00	5.69	0.1448	1.0000	\$183	\$32
1963	56.5	\$4,232	46.00	5.40	0.1373	1.0000	\$581	\$108
1962	57.5	\$2,447	46.00	5.11	0.1301	1.0000	\$318	\$62
1961	58.5	\$64	46.00	4.84	0.1231	1.0000	\$8	\$2
1960	59.5	\$51	46.00	4.57	0.1162	1.0000	\$6	\$1
1959	60.5	\$36	46.00	4.31	0.1097	1.0000	\$4	\$1
1958	61.5	\$14	46.00	4.05	0.1031	1.0000	\$1	\$0
1957	62.5	\$1,001	46.00	3.79	0.0965	1.0000	\$97	\$25
1956	63.5	\$2,305	46.00	3.54	0.0899	1.0000	\$207	\$59
1950	69.5	\$86	46.00	2.01	0.0512	1.0000	\$4	\$2
1949	70.5	\$328	46.00	1.76	0.0448	1.0000	\$15	\$8
1936	83.5	\$136	46.00	0.00	0.0000	0.0000	\$0	\$0
1933	86.5	\$179	46.00	0.00	0.0000	0.0000	\$0	\$0
1930	89.5	\$932	46.00	0.00	0.0000	0.0000	\$0	\$0
		<b>\$234,750,023</b>	<b>46.00</b>	<b>31.86</b>	<b>0.8103</b>	<b>1.0000</b>	<b>\$190,214,116</b>	<b>\$5,970,784</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 368 Line Transformers**

**Dispersion: 44.00, L0.0**

**Average Net Salvage Rate: -10.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$20,069,346	44.00	43.57	1.0892	1.0000	\$21,858,810	\$501,734
2018	1.5	\$22,295,379	44.00	42.79	1.0696	1.0000	\$23,847,844	\$557,384
2017	2.5	\$18,453,238	44.00	42.07	1.0517	1.0000	\$19,407,187	\$461,331
2016	3.5	\$16,383,558	44.00	41.40	1.0351	1.0000	\$16,958,321	\$409,589
2015	4.5	\$14,508,896	44.00	40.78	1.0194	1.0000	\$14,790,115	\$362,722
2014	5.5	\$15,099,314	44.00	40.18	1.0044	1.0000	\$15,165,536	\$377,483
2013	6.5	\$14,020,696	44.00	39.60	0.9901	1.0000	\$13,882,111	\$350,517
2012	7.5	\$14,232,850	44.00	39.06	0.9764	1.0000	\$13,897,334	\$355,821
2011	8.5	\$13,770,531	44.00	38.53	0.9632	1.0000	\$13,264,155	\$344,263
2010	9.5	\$39,418,967	44.00	38.02	0.9504	1.0000	\$37,465,581	\$985,474
2009	10.5	\$10,558,467	44.00	37.52	0.9381	1.0000	\$9,905,145	\$263,962
2008	11.5	\$15,212,082	44.00	37.05	0.9262	1.0000	\$14,088,804	\$380,302
2007	12.5	\$12,074,547	44.00	36.58	0.9145	1.0000	\$11,042,648	\$301,864
2006	13.5	\$11,946,022	44.00	36.13	0.9032	1.0000	\$10,789,777	\$298,651
2005	14.5	\$7,939,422	44.00	35.69	0.8922	1.0000	\$7,083,501	\$198,486
2004	15.5	\$6,615,762	44.00	35.26	0.8814	1.0000	\$5,831,384	\$165,394
2003	16.5	\$8,587,300	44.00	34.84	0.8709	1.0000	\$7,478,806	\$214,683
2002	17.5	\$5,936,015	44.00	34.42	0.8606	1.0000	\$5,108,655	\$148,400
2001	18.5	\$8,204,620	44.00	34.02	0.8505	1.0000	\$6,978,181	\$205,116
2000	19.5	\$238,267	44.00	33.62	0.8406	1.0000	\$200,287	\$5,957
1999	20.5	\$11,466,115	44.00	33.23	0.8308	1.0000	\$9,526,511	\$286,653
1998	21.5	\$3,903,100	44.00	32.85	0.8212	1.0000	\$3,205,310	\$97,577
1997	22.5	\$9,415,033	44.00	32.47	0.8117	1.0000	\$7,642,310	\$235,376
1996	23.5	\$4,504,768	44.00	32.09	0.8023	1.0000	\$3,614,275	\$112,619
1995	24.5	\$6,889,717	44.00	31.72	0.7930	1.0000	\$5,463,869	\$172,243
1994	25.5	\$3,517,023	44.00	31.35	0.7839	1.0000	\$2,756,904	\$87,926
1993	26.5	\$8,447,786	44.00	30.99	0.7748	1.0000	\$6,545,396	\$211,195
1992	27.5	\$3,693,545	44.00	30.63	0.7658	1.0000	\$2,828,692	\$92,339
1991	28.5	\$5,451,651	44.00	30.28	0.7570	1.0000	\$4,126,784	\$136,291
1990	29.5	\$4,060,509	44.00	29.93	0.7482	1.0000	\$3,038,177	\$101,513
1989	30.5	\$4,461,950	44.00	29.58	0.7396	1.0000	\$3,299,898	\$111,549
1988	31.5	\$3,610,920	44.00	29.24	0.7310	1.0000	\$2,639,629	\$90,273
1987	32.5	\$3,573,549	44.00	28.90	0.7226	1.0000	\$2,582,086	\$89,339
1986	33.5	\$3,840,955	44.00	28.57	0.7142	1.0000	\$2,743,135	\$96,024
1985	34.5	\$4,051,011	44.00	28.24	0.7059	1.0000	\$2,859,671	\$101,275
1984	35.5	\$4,340,470	44.00	27.91	0.6977	1.0000	\$3,028,539	\$108,512
1983	36.5	\$4,045,589	44.00	27.59	0.6896	1.0000	\$2,790,040	\$101,140
1982	37.5	\$3,872,300	44.00	27.27	0.6817	1.0000	\$2,639,590	\$96,807
1981	38.5	\$3,150,426	44.00	26.95	0.6738	1.0000	\$2,122,650	\$78,761
1980	39.5	\$2,876,211	44.00	26.64	0.6659	1.0000	\$1,915,404	\$71,905
1979	40.5	\$2,650,758	44.00	26.33	0.6582	1.0000	\$1,744,740	\$66,269
1978	41.5	\$2,797,970	44.00	26.02	0.6506	1.0000	\$1,820,239	\$69,949
1977	42.5	\$2,009,643	44.00	25.72	0.6430	1.0000	\$1,292,234	\$50,241
1976	43.5	\$1,441,574	44.00	25.42	0.6355	1.0000	\$916,164	\$36,039
1975	44.5	\$1,488,784	44.00	25.13	0.6281	1.0000	\$935,149	\$37,220
1974	45.5	\$2,219,924	44.00	24.83	0.6208	1.0000	\$1,378,162	\$55,498
1973	46.5	\$1,691,746	44.00	24.54	0.6136	1.0000	\$1,038,042	\$42,294
1972	47.5	\$1,652,700	44.00	24.26	0.6064	1.0000	\$1,002,241	\$41,318

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 368 Line Transformers**

**Dispersion: 44.00, L0.0**

**Average Net Salvage Rate: -10.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1971	48.5	\$1,602,687	44.00	23.97	0.5993	1.0000	\$960,545	\$40,067
1970	49.5	\$1,769,584	44.00	23.69	0.5924	1.0000	\$1,048,216	\$44,240
1969	50.5	\$1,779,934	44.00	23.42	0.5854	1.0000	\$1,041,991	\$44,498
1968	51.5	\$1,236,691	44.00	23.14	0.5785	1.0000	\$715,466	\$30,917
1967	52.5	\$952,967	44.00	22.87	0.5717	1.0000	\$544,853	\$23,824
1966	53.5	\$955,919	44.00	22.60	0.5651	1.0000	\$540,148	\$23,898
1965	54.5	\$695,859	44.00	22.34	0.5584	1.0000	\$388,571	\$17,396
1964	55.5	\$733,215	44.00	22.07	0.5518	1.0000	\$404,596	\$18,330
1963	56.5	\$631,081	44.00	21.81	0.5453	1.0000	\$344,124	\$15,777
1962	57.5	\$669,959	44.00	21.55	0.5389	1.0000	\$361,023	\$16,749
1961	58.5	\$542,141	44.00	21.30	0.5325	1.0000	\$288,677	\$13,554
1960	59.5	\$572,530	44.00	21.05	0.5262	1.0000	\$301,246	\$14,313
1959	60.5	\$543,652	44.00	20.80	0.5200	1.0000	\$282,677	\$13,591
1958	61.5	\$572,641	44.00	20.55	0.5137	1.0000	\$294,187	\$14,316
1957	62.5	\$520,496	44.00	20.30	0.5076	1.0000	\$264,203	\$13,012
1956	63.5	\$473,759	44.00	20.06	0.5015	1.0000	\$237,608	\$11,844
1955	64.5	\$609,273	44.00	19.82	0.4956	1.0000	\$301,938	\$15,232
1954	65.5	\$317,020	44.00	19.58	0.4896	1.0000	\$155,214	\$7,925
1953	66.5	\$274,510	44.00	19.35	0.4837	1.0000	\$132,780	\$6,863
1952	67.5	\$172,614	44.00	19.11	0.4779	1.0000	\$82,487	\$4,315
1951	68.5	\$166,744	44.00	18.89	0.4721	1.0000	\$78,725	\$4,169
1950	69.5	\$172,027	44.00	18.66	0.4664	1.0000	\$80,232	\$4,301
1949	70.5	\$3,893	44.00	18.43	0.4607	1.0000	\$1,794	\$97
1948	71.5	\$44,569	44.00	18.21	0.4552	1.0000	\$20,285	\$1,114
1947	72.5	\$22,091	44.00	17.98	0.4496	1.0000	\$9,931	\$552
1946	73.5	\$50,116	44.00	17.76	0.4441	1.0000	\$22,254	\$1,253
1945	74.5	\$1,346	44.00	17.54	0.4386	1.0000	\$590	\$34
1940	79.5	\$9,957	44.00	16.48	0.4121	1.0000	\$4,103	\$249
1938	81.5	\$19,543	44.00	16.07	0.4018	1.0000	\$7,852	\$489
1937	82.5	\$42,170	44.00	15.87	0.3968	1.0000	\$16,732	\$1,054
1904	115.5	\$8,753	44.00	10.03	0.2508	1.0000	\$2,196	\$219
		<b>\$406,858,746</b>	<b>44.00</b>	<b>35.73</b>	<b>0.8934</b>	<b>1.0000</b>	<b>\$363,475,269</b>	<b>\$10,171,469</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 369 Services

Dispersion: 59.00, R3.0

Average Net Salvage Rate: -74.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$4,496,086	59.00	58.51	1.7255	1.0000	\$7,757,859	\$132,596
2018	1.5	\$3,881,776	59.00	57.52	1.6965	1.0000	\$6,585,392	\$114,480
2017	2.5	\$3,789,264	59.00	56.54	1.6676	1.0000	\$6,318,795	\$111,751
2016	3.5	\$3,522,097	59.00	55.56	1.6387	1.0000	\$5,771,628	\$103,872
2015	4.5	\$3,378,335	59.00	54.59	1.6099	1.0000	\$5,438,824	\$99,632
2014	5.5	\$3,138,410	59.00	53.62	1.5812	1.0000	\$4,962,524	\$92,557
2013	6.5	\$6,392,527	59.00	52.65	1.5526	1.0000	\$9,925,036	\$188,525
2012	7.5	\$4,678,882	59.00	51.68	1.5241	1.0000	\$7,131,010	\$137,987
2011	8.5	\$4,069,306	59.00	50.72	1.4957	1.0000	\$6,086,421	\$120,010
2010	9.5	\$11,527,039	59.00	49.76	1.4674	1.0000	\$16,914,647	\$339,950
2009	10.5	\$4,042,037	59.00	48.80	1.4392	1.0000	\$5,817,332	\$119,206
2008	11.5	\$3,535,873	59.00	47.85	1.4112	1.0000	\$4,989,723	\$104,278
2007	12.5	\$3,437,900	59.00	46.90	1.3833	1.0000	\$4,755,486	\$101,389
2006	13.5	\$3,989,155	59.00	45.96	1.3555	1.0000	\$5,407,155	\$117,646
2005	14.5	\$3,286,168	59.00	45.02	1.3278	1.0000	\$4,363,439	\$96,914
2004	15.5	\$2,685,682	59.00	44.09	1.3004	1.0000	\$3,492,400	\$79,205
2003	16.5	\$1,702,335	59.00	43.17	1.2731	1.0000	\$2,167,186	\$50,204
2002	17.5	\$122,591	59.00	42.25	1.2459	1.0000	\$152,736	\$3,615
2001	18.5	\$931,941	59.00	41.33	1.2190	1.0000	\$1,136,018	\$27,484
2000	19.5	\$469,157	59.00	40.43	1.1922	1.0000	\$559,328	\$13,836
1999	20.5	\$1,230,590	59.00	39.52	1.1656	1.0000	\$1,434,382	\$36,292
1998	21.5	\$898,739	59.00	38.63	1.1392	1.0000	\$1,023,881	\$26,505
1997	22.5	\$1,010,833	59.00	37.74	1.1131	1.0000	\$1,125,120	\$29,811
1996	23.5	\$1,516,318	59.00	36.86	1.0871	1.0000	\$1,648,352	\$44,719
1995	24.5	\$267,949	59.00	35.99	1.0613	1.0000	\$284,372	\$7,902
1994	25.5	\$428,300	59.00	35.12	1.0358	1.0000	\$443,635	\$12,631
1993	26.5	\$1,554,029	59.00	34.26	1.0105	1.0000	\$1,570,335	\$45,831
1992	27.5	\$512,103	59.00	33.41	0.9854	1.0000	\$504,624	\$15,103
1991	28.5	\$1,765,348	59.00	32.57	0.9606	1.0000	\$1,695,798	\$52,063
1990	29.5	\$540,747	59.00	31.74	0.9360	1.0000	\$506,134	\$15,947
1989	30.5	\$606,303	59.00	30.91	0.9116	1.0000	\$552,716	\$17,881
1988	31.5	\$518,235	59.00	30.10	0.8876	1.0000	\$459,966	\$15,284
1987	32.5	\$466,202	59.00	29.29	0.8637	1.0000	\$402,663	\$13,749
1986	33.5	\$570,032	59.00	28.49	0.8401	1.0000	\$478,887	\$16,811
1985	34.5	\$665,191	59.00	27.70	0.8168	1.0000	\$543,346	\$19,618
1984	35.5	\$886,204	59.00	26.92	0.7938	1.0000	\$703,447	\$26,136
1983	36.5	\$749,286	59.00	26.14	0.7710	1.0000	\$577,692	\$22,098
1982	37.5	\$649,083	59.00	25.38	0.7485	1.0000	\$485,814	\$19,142
1981	38.5	\$682,226	59.00	24.63	0.7263	1.0000	\$495,518	\$20,120
1980	39.5	\$525,862	59.00	23.88	0.7044	1.0000	\$370,419	\$15,508
1979	40.5	\$533,200	59.00	23.15	0.6828	1.0000	\$364,056	\$15,725
1978	41.5	\$579,878	59.00	22.43	0.6615	1.0000	\$383,617	\$17,101
1977	42.5	\$496,914	59.00	21.72	0.6406	1.0000	\$318,310	\$14,655
1976	43.5	\$457,286	59.00	21.02	0.6199	1.0000	\$283,474	\$13,486
1975	44.5	\$423,843	59.00	20.33	0.5997	1.0000	\$254,168	\$12,500
1974	45.5	\$379,032	59.00	19.66	0.5797	1.0000	\$219,738	\$11,178
1973	46.5	\$363,206	59.00	18.99	0.5601	1.0000	\$203,447	\$10,712
1972	47.5	\$381,179	59.00	18.34	0.5409	1.0000	\$206,180	\$11,242

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 369 Services**

**Dispersion: 59.00, R3.0**

**Average Net Salvage Rate: -74.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1971	48.5	\$392,211	59.00	17.71	0.5222	1.0000	\$204,809	\$11,567
1970	49.5	\$256,585	59.00	17.08	0.5038	1.0000	\$129,259	\$7,567
1969	50.5	\$260,240	59.00	16.47	0.4857	1.0000	\$126,411	\$7,675
1968	51.5	\$283,180	59.00	15.88	0.4683	1.0000	\$132,605	\$8,351
1967	52.5	\$267,743	59.00	15.30	0.4511	1.0000	\$120,787	\$7,896
1966	53.5	\$213,686	59.00	14.73	0.4344	1.0000	\$92,830	\$6,302
1965	54.5	\$221,308	59.00	14.18	0.4183	1.0000	\$92,568	\$6,527
1964	55.5	\$258,513	59.00	13.65	0.4025	1.0000	\$104,055	\$7,624
1963	56.5	\$231,978	59.00	13.13	0.3872	1.0000	\$89,823	\$6,841
1962	57.5	\$221,076	59.00	12.63	0.3724	1.0000	\$82,339	\$6,520
1961	58.5	\$203,967	59.00	12.14	0.3581	1.0000	\$73,043	\$6,015
1960	59.5	\$190,777	59.00	11.67	0.3442	1.0000	\$65,674	\$5,626
1959	60.5	\$206,115	59.00	11.22	0.3308	1.0000	\$68,192	\$6,079
1958	61.5	\$167,834	59.00	10.78	0.3180	1.0000	\$53,369	\$4,950
1957	62.5	\$147,055	59.00	10.36	0.3055	1.0000	\$44,932	\$4,337
1956	63.5	\$103,012	59.00	9.95	0.2936	1.0000	\$30,241	\$3,038
1955	64.5	\$75,825	59.00	9.56	0.2820	1.0000	\$21,386	\$2,236
1954	65.5	\$156,485	59.00	9.19	0.2709	1.0000	\$42,398	\$4,615
1953	66.5	\$154,160	59.00	8.83	0.2603	1.0000	\$40,125	\$4,546
1952	67.5	\$67,618	59.00	8.48	0.2500	1.0000	\$16,903	\$1,994
1951	68.5	\$62,815	59.00	8.14	0.2401	1.0000	\$15,080	\$1,853
		<b>\$96,876,860</b>	<b>59.00</b>	<b>45.12</b>	<b>1.3308</b>	<b>1.0000</b>	<b>\$128,919,859</b>	<b>\$2,857,046</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

Account: SWEPCO 101/6 370 Meters

Dispersion: 15.00, L0.0

Average Net Salvage Rate: -26.00%

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$2,516,952	15.00	14.59	1.2259	1.0000	\$3,085,618	\$211,424
2018	1.5	\$2,873,969	15.00	13.92	1.1695	1.0000	\$3,361,029	\$241,413
2017	2.5	\$2,269,528	15.00	13.35	1.1211	1.0000	\$2,544,404	\$190,640
2016	3.5	\$13,051,431	15.00	12.83	1.0780	1.0000	\$14,069,334	\$1,096,320
2015	4.5	\$10,465,035	15.00	12.36	1.0386	1.0000	\$10,869,265	\$879,063
2014	5.5	\$6,512,477	15.00	11.93	1.0022	1.0000	\$6,526,652	\$547,048
2013	6.5	\$15,391,678	15.00	11.52	0.9680	1.0000	\$14,898,879	\$1,292,901
2012	7.5	\$3,291,246	15.00	11.14	0.9354	1.0000	\$3,078,764	\$276,465
2011	8.5	\$1,581,030	15.00	10.76	0.9041	1.0000	\$1,429,383	\$132,807
2010	9.5	\$6,331,644	15.00	10.40	0.8738	1.0000	\$5,532,365	\$531,858
2009	10.5	\$1,762,113	15.00	10.05	0.8445	1.0000	\$1,488,045	\$148,017
2008	11.5	\$2,161,625	15.00	9.72	0.8161	1.0000	\$1,764,192	\$181,576
2007	12.5	\$2,090,305	15.00	9.39	0.7887	1.0000	\$1,648,715	\$175,586
2006	13.5	\$1,715,455	15.00	9.07	0.7622	1.0000	\$1,307,605	\$144,098
2005	14.5	\$888,504	15.00	8.77	0.7366	1.0000	\$654,480	\$74,634
2004	15.5	\$997,239	15.00	8.47	0.7118	1.0000	\$709,802	\$83,768
2003	16.5	\$515,995	15.00	8.19	0.6877	1.0000	\$354,858	\$43,344
2002	17.5	\$1,329,002	15.00	7.91	0.6644	1.0000	\$883,007	\$111,636
2001	18.5	\$824,051	15.00	7.64	0.6418	1.0000	\$528,886	\$69,220
2000	19.5	\$792,259	15.00	7.38	0.6199	1.0000	\$491,121	\$66,550
1999	20.5	\$764,060	15.00	7.13	0.5986	1.0000	\$457,403	\$64,181
1998	21.5	\$380,232	15.00	6.88	0.5780	1.0000	\$219,772	\$31,940
1997	22.5	\$785,995	15.00	6.64	0.5580	1.0000	\$438,553	\$66,024
1996	23.5	\$440,980	15.00	6.41	0.5385	1.0000	\$237,468	\$37,042
1995	24.5	\$817,598	15.00	6.19	0.5195	1.0000	\$424,782	\$68,678
1994	25.5	\$563,598	15.00	5.97	0.5012	1.0000	\$282,450	\$47,342
1993	26.5	\$572,884	15.00	5.75	0.4833	1.0000	\$276,862	\$48,122
1992	27.5	\$316,609	15.00	5.55	0.4658	1.0000	\$147,474	\$26,595
1991	28.5	\$376,537	15.00	5.34	0.4488	1.0000	\$168,992	\$31,629
1990	29.5	\$416,210	15.00	5.15	0.4323	1.0000	\$179,926	\$34,962
1989	30.5	\$348,690	15.00	4.95	0.4161	1.0000	\$145,089	\$29,290
1988	31.5	\$281,899	15.00	4.77	0.4004	1.0000	\$112,865	\$23,680
1987	32.5	\$346,617	15.00	4.58	0.3851	1.0000	\$133,468	\$29,116
1986	33.5	\$299,735	15.00	4.40	0.3700	1.0000	\$110,901	\$25,178
1985	34.5	\$240,271	15.00	4.23	0.3554	1.0000	\$85,385	\$20,183
1984	35.5	\$189,171	15.00	4.06	0.3411	1.0000	\$64,528	\$15,890
1983	36.5	\$164,885	15.00	3.89	0.3270	1.0000	\$53,923	\$13,850
1982	37.5	\$113,157	15.00	3.73	0.3134	1.0000	\$35,459	\$9,505
1981	38.5	\$100,768	15.00	3.57	0.3000	1.0000	\$30,233	\$8,465
1980	39.5	\$90,541	15.00	3.41	0.2868	1.0000	\$25,969	\$7,605
1979	40.5	\$88,576	15.00	3.26	0.2740	1.0000	\$24,270	\$7,440
1978	41.5	\$75,898	15.00	3.11	0.2615	1.0000	\$19,847	\$6,375
1977	42.5	\$59,120	15.00	2.96	0.2490	1.0000	\$14,723	\$4,966
1976	43.5	\$63,360	15.00	2.82	0.2369	1.0000	\$15,011	\$5,322
1975	44.5	\$45,227	15.00	2.68	0.2252	1.0000	\$10,183	\$3,799
1974	45.5	\$54,393	15.00	2.54	0.2133	1.0000	\$11,601	\$4,569
1973	46.5	\$53,522	15.00	2.40	0.2018	1.0000	\$10,801	\$4,496
1972	47.5	\$56,078	15.00	2.27	0.1904	1.0000	\$10,679	\$4,711

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 370 Meters**  
**Dispersion: 15.00, L0.0**  
**Average Net Salvage Rate: -26.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1971	48.5	\$45,601	15.00	2.13	0.1791	1.0000	\$8,167	\$3,830
1970	49.5	\$30,302	15.00	2.00	0.1679	1.0000	\$5,088	\$2,545
1969	50.5	\$30,172	15.00	1.87	0.1568	1.0000	\$4,732	\$2,534
1968	51.5	\$22,126	15.00	1.73	0.1450	1.0000	\$3,208	\$1,859
1967	52.5	\$27,435	15.00	1.58	0.1326	1.0000	\$3,639	\$2,305
1966	53.5	\$20,327	15.00	1.40	0.1178	1.0000	\$2,395	\$1,707
1965	54.5	\$30,267	15.00	1.18	0.0990	1.0000	\$2,997	\$2,542
1964	55.5	\$22,505	15.00	0.86	0.0724	1.0000	\$1,630	\$1,890
1963	56.5	\$18,108	15.00	0.25	0.0206	1.0000	\$374	\$1,521
1962	57.5	\$6,406	15.00	0.00	0.0000	0.0000	\$0	\$0
1961	58.5	\$10,220	15.00	0.00	0.0000	0.0000	\$0	\$0
1960	59.5	\$9,028	15.00	0.00	0.0000	0.0000	\$0	\$0
1959	60.5	\$34,275	15.00	0.00	0.0000	0.0000	\$0	\$0
		<b>\$85,774,920</b>	<b>15.00</b>	<b>10.97</b>	<b>0.9211</b>	<b>1.0000</b>	<b>\$79,007,252</b>	<b>\$7,200,059</b>



**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 371 Installation on Customer Premises**

**Dispersion: 25.00, L0.0**

**Average Net Salvage Rate: -31.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$1,773,246	25.00	24.58	1.2879	1.0000	\$2,283,783	\$92,918
2018	1.5	\$1,664,855	25.00	23.85	1.2497	1.0000	\$2,080,558	\$87,238
2017	2.5	\$2,112,770	25.00	23.20	1.2158	1.0000	\$2,568,763	\$110,709
2016	3.5	\$1,872,228	25.00	22.61	1.1849	1.0000	\$2,218,386	\$98,105
2015	4.5	\$1,557,226	25.00	22.06	1.1562	1.0000	\$1,800,453	\$81,599
2014	5.5	\$1,477,302	25.00	21.55	1.1293	1.0000	\$1,668,292	\$77,411
2013	6.5	\$3,253,019	25.00	21.07	1.1039	1.0000	\$3,590,872	\$170,458
2012	7.5	\$1,902,119	25.00	20.61	1.0797	1.0000	\$2,053,751	\$99,671
2011	8.5	\$1,295,244	25.00	20.17	1.0566	1.0000	\$1,368,616	\$67,871
2010	9.5	\$2,745,635	25.00	19.74	1.0345	1.0000	\$2,840,440	\$143,871
2009	10.5	\$1,016,490	25.00	19.34	1.0132	1.0000	\$1,029,901	\$53,264
2008	11.5	\$1,245,124	25.00	18.94	0.9925	1.0000	\$1,235,831	\$65,245
2007	12.5	\$1,296,128	25.00	18.56	0.9724	1.0000	\$1,260,347	\$67,917
2006	13.5	\$816,405	25.00	18.18	0.9527	1.0000	\$777,775	\$42,780
2005	14.5	\$985,875	25.00	17.81	0.9334	1.0000	\$920,199	\$51,660
2004	15.5	\$794,676	25.00	17.45	0.9145	1.0000	\$726,706	\$41,641
2003	16.5	\$979,264	25.00	17.10	0.8959	1.0000	\$877,362	\$51,313
2002	17.5	\$161,915	25.00	16.75	0.8778	1.0000	\$142,125	\$8,484
2001	18.5	\$369,181	25.00	16.41	0.8600	1.0000	\$317,490	\$19,345
2000	19.5	\$1,053,460	25.00	16.08	0.8425	1.0000	\$887,588	\$55,201
1999	20.5	\$1,321,403	25.00	15.75	0.8254	1.0000	\$1,090,741	\$69,242
1998	21.5	\$1,346,119	25.00	15.43	0.8087	1.0000	\$1,088,585	\$70,537
1997	22.5	\$1,550,666	25.00	15.12	0.7923	1.0000	\$1,228,525	\$81,255
1996	23.5	\$2,041,862	25.00	14.81	0.7761	1.0000	\$1,584,763	\$106,994
1995	24.5	\$2,590,842	25.00	14.51	0.7603	1.0000	\$1,969,903	\$135,760
1994	25.5	\$476,613	25.00	14.21	0.7448	1.0000	\$355,000	\$24,975
1993	26.5	\$1,181,390	25.00	13.92	0.7296	1.0000	\$861,988	\$61,905
1992	27.5	\$933,291	25.00	13.64	0.7147	1.0000	\$667,041	\$48,904
1991	28.5	\$670,252	25.00	13.36	0.7001	1.0000	\$469,229	\$35,121
1990	29.5	\$210,166	25.00	13.09	0.6857	1.0000	\$144,113	\$11,013
1989	30.5	\$373,503	25.00	12.82	0.6716	1.0000	\$250,849	\$19,572
1988	31.5	\$251,412	25.00	12.55	0.6578	1.0000	\$165,371	\$13,174
1987	32.5	\$323,929	25.00	12.29	0.6442	1.0000	\$208,663	\$16,974
1986	33.5	\$326,881	25.00	12.04	0.6308	1.0000	\$206,204	\$17,129
1985	34.5	\$261,204	25.00	11.79	0.6177	1.0000	\$161,349	\$13,687
1984	35.5	\$352,443	25.00	11.54	0.6048	1.0000	\$213,160	\$18,468
1983	36.5	\$298,515	25.00	11.30	0.5922	1.0000	\$176,770	\$15,642
1982	37.5	\$257,426	25.00	11.06	0.5797	1.0000	\$149,234	\$13,489
1981	38.5	\$367,793	25.00	10.83	0.5675	1.0000	\$208,717	\$19,272
1980	39.5	\$108,180	25.00	10.60	0.5555	1.0000	\$60,091	\$5,669
1979	40.5	\$59,060	25.00	10.37	0.5436	1.0000	\$32,107	\$3,095
1978	41.5	\$52,720	25.00	10.15	0.5320	1.0000	\$28,049	\$2,763
1977	42.5	\$46,420	25.00	9.94	0.5206	1.0000	\$24,166	\$2,432
1976	43.5	\$76,408	25.00	9.72	0.5093	1.0000	\$38,917	\$4,004
1975	44.5	\$29,891	25.00	9.51	0.4983	1.0000	\$14,894	\$1,566
1974	45.5	\$31,075	25.00	9.30	0.4874	1.0000	\$15,145	\$1,628
1973	46.5	\$16,280	25.00	9.10	0.4766	1.0000	\$7,759	\$853
1972	47.5	\$40,884	25.00	8.89	0.4661	1.0000	\$19,056	\$2,142

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 371 Installation on Customer Premises**

**Dispersion: 25.00, L0.0**

**Average Net Salvage Rate: -31.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1971	48.5	\$36,596	25.00	8.70	0.4557	1.0000	\$16,677	\$1,918
1970	49.5	\$3,848	25.00	8.50	0.4455	1.0000	\$1,714	\$202
1969	50.5	\$1,070	25.00	8.31	0.4354	1.0000	\$466	\$56
1968	51.5	\$29	25.00	8.12	0.4254	1.0000	\$12	\$2
1967	52.5	\$63	25.00	7.93	0.4157	1.0000	\$26	\$3
1966	53.5	\$2,350	25.00	7.75	0.4060	1.0000	\$954	\$123
1965	54.5	\$1,306	25.00	7.57	0.3965	1.0000	\$518	\$68
1964	55.5	\$359	25.00	7.39	0.3871	1.0000	\$139	\$19
1963	56.5	\$1,135	25.00	7.21	0.3779	1.0000	\$429	\$59
1962	57.5	\$18	25.00	7.04	0.3688	1.0000	\$7	\$1
1961	58.5	\$684	25.00	6.87	0.3598	1.0000	\$246	\$36
1959	60.5	\$8	25.00	6.53	0.3421	1.0000	\$3	\$0
		<b>\$44,016,257</b>	<b>25.00</b>	<b>18.26</b>	<b>0.9567</b>	<b>1.0000</b>	<b>\$42,110,819</b>	<b>\$2,306,452</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWPCO 101/6 373 Street Lighting and Signal Systems**

**Dispersion: 40.00, L0.0**

**Average Net Salvage Rate: -34.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
2019	0.5	\$1,650,675	40.00	39.57	1.3256	1.0000	\$2,188,077	\$55,298
2018	1.5	\$1,064,578	40.00	38.79	1.2995	1.0000	\$1,383,452	\$35,663
2017	2.5	\$1,702,612	40.00	38.09	1.2760	1.0000	\$2,172,617	\$57,037
2016	3.5	\$1,369,038	40.00	37.44	1.2541	1.0000	\$1,716,882	\$45,863
2015	4.5	\$1,117,757	40.00	36.82	1.2335	1.0000	\$1,378,750	\$37,445
2014	5.5	\$828,489	40.00	36.24	1.2139	1.0000	\$1,005,686	\$27,754
2013	6.5	\$2,229,157	40.00	35.68	1.1952	1.0000	\$2,664,392	\$74,677
2012	7.5	\$1,339,596	40.00	35.14	1.1773	1.0000	\$1,577,150	\$44,876
2011	8.5	\$955,190	40.00	34.63	1.1602	1.0000	\$1,108,164	\$31,999
2010	9.5	\$1,690,410	40.00	34.14	1.1435	1.0000	\$1,933,059	\$56,629
2009	10.5	\$944,130	40.00	33.66	1.1275	1.0000	\$1,064,527	\$31,628
2008	11.5	\$984,625	40.00	33.19	1.1120	1.0000	\$1,094,878	\$32,985
2007	12.5	\$1,067,762	40.00	32.74	1.0969	1.0000	\$1,171,238	\$35,770
2006	13.5	\$1,124,303	40.00	32.31	1.0822	1.0000	\$1,216,754	\$37,664
2005	14.5	\$1,039,429	40.00	31.88	1.0680	1.0000	\$1,110,067	\$34,821
2004	15.5	\$698,184	40.00	31.46	1.0540	1.0000	\$735,884	\$23,389
2003	16.5	\$612,587	40.00	31.06	1.0404	1.0000	\$637,322	\$20,522
2002	17.5	\$561,752	40.00	30.66	1.0270	1.0000	\$576,921	\$18,819
2001	18.5	\$1,830,546	40.00	30.27	1.0139	1.0000	\$1,855,992	\$61,323
2000	19.5	\$1,566,703	40.00	29.88	1.0010	1.0000	\$1,568,251	\$52,485
1999	20.5	\$1,662,747	40.00	29.50	0.9882	1.0000	\$1,643,205	\$55,702
1998	21.5	\$899,207	40.00	29.12	0.9757	1.0000	\$877,337	\$30,123
1997	22.5	\$1,230,175	40.00	28.75	0.9633	1.0000	\$1,185,001	\$41,211
1996	23.5	\$1,529,153	40.00	28.39	0.9510	1.0000	\$1,454,251	\$51,227
1995	24.5	\$749,589	40.00	28.03	0.9389	1.0000	\$703,812	\$25,111
1994	25.5	\$679,801	40.00	27.67	0.9270	1.0000	\$630,172	\$22,773
1993	26.5	\$1,008,824	40.00	27.32	0.9152	1.0000	\$923,282	\$33,796
1992	27.5	\$764,008	40.00	26.97	0.9036	1.0000	\$690,328	\$25,594
1991	28.5	\$551,228	40.00	26.63	0.8921	1.0000	\$491,733	\$18,466
1990	29.5	\$1,065,160	40.00	26.29	0.8807	1.0000	\$938,116	\$35,683
1989	30.5	\$862,018	40.00	25.96	0.8695	1.0000	\$749,529	\$28,878
1988	31.5	\$757,602	40.00	25.63	0.8584	1.0000	\$650,359	\$25,380
1987	32.5	\$500,925	40.00	25.30	0.8475	1.0000	\$424,538	\$16,781
1986	33.5	\$558,328	40.00	24.98	0.8367	1.0000	\$467,168	\$18,704
1985	34.5	\$555,713	40.00	24.66	0.8260	1.0000	\$459,046	\$18,616
1984	35.5	\$391,554	40.00	24.34	0.8155	1.0000	\$319,326	\$13,117
1983	36.5	\$783,525	40.00	24.03	0.8051	1.0000	\$630,826	\$26,248
1982	37.5	\$617,890	40.00	23.73	0.7948	1.0000	\$491,124	\$20,699
1981	38.5	\$497,087	40.00	23.42	0.7847	1.0000	\$390,054	\$16,652
1980	39.5	\$342,705	40.00	23.12	0.7747	1.0000	\$265,480	\$11,481
1979	40.5	\$345,973	40.00	22.83	0.7647	1.0000	\$264,579	\$11,590
1978	41.5	\$147,521	40.00	22.54	0.7550	1.0000	\$111,373	\$4,942
1977	42.5	\$173,834	40.00	22.25	0.7453	1.0000	\$129,554	\$5,823
1976	43.5	\$103,856	40.00	21.96	0.7357	1.0000	\$76,409	\$3,479
1975	44.5	\$164,264	40.00	21.68	0.7263	1.0000	\$119,299	\$5,503
1974	45.5	\$180,090	40.00	21.40	0.7169	1.0000	\$129,113	\$6,033
1973	46.5	\$175,928	40.00	21.12	0.7077	1.0000	\$124,502	\$5,894
1972	47.5	\$118,689	40.00	20.85	0.6986	1.0000	\$82,913	\$3,976

**SOUTHWESTERN ELECTRIC POWER COMPANY  
GENERATION ARRANGEMENT REPORT  
Depreciation Study as of December 31, 2019**

**Account: SWEPCO 101/6 373 Street Lighting and Signal Systems**

**Dispersion: 40.00, L0.0**

**Average Net Salvage Rate: -34.00%**

Vintage	Age	Surviving Plant	Avg Life	Remaining Life	Net Plant Ratio	Alloc Factor	Computed Net Plant	Accrual
1971	48.5	\$144,387	40.00	20.58	0.6895	1.0000	\$99,562	\$4,837
1970	49.5	\$101,707	40.00	20.32	0.6807	1.0000	\$69,228	\$3,407
1969	50.5	\$103,379	40.00	20.05	0.6718	1.0000	\$69,452	\$3,463
1968	51.5	\$111,981	40.00	19.80	0.6631	1.0000	\$74,259	\$3,751
1967	52.5	\$44,312	40.00	19.54	0.6545	1.0000	\$29,001	\$1,484
1966	53.5	\$42,807	40.00	19.28	0.6460	1.0000	\$27,653	\$1,434
1965	54.5	\$34,192	40.00	19.03	0.6375	1.0000	\$21,798	\$1,145
1964	55.5	\$46,276	40.00	18.78	0.6292	1.0000	\$29,119	\$1,550
1963	56.5	\$44,567	40.00	18.54	0.6210	1.0000	\$27,675	\$1,493
1962	57.5	\$70,009	40.00	18.29	0.6128	1.0000	\$42,905	\$2,345
1961	58.5	\$53,506	40.00	18.05	0.6048	1.0000	\$32,359	\$1,792
1960	59.5	\$32,790	40.00	17.82	0.5968	1.0000	\$19,570	\$1,098
1959	60.5	\$16,160	40.00	17.58	0.5889	1.0000	\$9,517	\$541
1958	61.5	\$6,706	40.00	17.35	0.5811	1.0000	\$3,897	\$225
1957	62.5	\$37,736	40.00	17.12	0.5734	1.0000	\$21,637	\$1,264
1956	63.5	\$30,316	40.00	16.89	0.5658	1.0000	\$17,152	\$1,016
1955	64.5	\$8,650	40.00	16.66	0.5582	1.0000	\$4,828	\$290
1954	65.5	\$17,857	40.00	16.44	0.5507	1.0000	\$9,834	\$598
1953	66.5	\$6,864	40.00	16.22	0.5433	1.0000	\$3,729	\$230
1952	67.5	\$4,161	40.00	16.00	0.5360	1.0000	\$2,230	\$139
1951	68.5	\$22,559	40.00	15.78	0.5287	1.0000	\$11,927	\$756
1950	69.5	\$7,546	40.00	15.57	0.5216	1.0000	\$3,936	\$253
1949	70.5	\$5,285	40.00	15.36	0.5144	1.0000	\$2,719	\$177
1948	71.5	\$1,262	40.00	15.15	0.5074	1.0000	\$641	\$42
1947	72.5	\$32	40.00	14.94	0.5004	1.0000	\$16	\$1
1946	73.5	\$72	40.00	14.73	0.4936	1.0000	\$36	\$2
1945	74.5	\$13	40.00	14.53	0.4867	1.0000	\$6	\$0
1942	77.5	\$121	40.00	13.93	0.4666	1.0000	\$56	\$4
1940	79.5	\$163	40.00	13.54	0.4535	1.0000	\$74	\$5
1939	80.5	\$6,467	40.00	13.34	0.4470	1.0000	\$2,891	\$217
1934	85.5	\$288	40.00	12.41	0.4157	1.0000	\$120	\$10
1929	90.5	\$1,209	40.00	11.51	0.3857	1.0000	\$466	\$41
		<b>\$42,798,295</b>	<b>40.00</b>	<b>30.84</b>	<b>1.0332</b>	<b>1.0000</b>	<b>\$44,220,782</b>	<b>\$1,433,743</b>

**SOUTHWESTERN ELECTRIC POWER COMPANY**

**DEPRECIATION STUDY AS OF DECEMBER 31, 2019**

**DISTRIBUTION PLANT**

**OBSERVED LIFE TABLE**

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 360 LAND RIGHTS**

Placement Band 1927 to 2019  
Observation Band 1927 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
0	3,634,309	3,564	0.00098	0.99902	100.00
0.5	3,630,745	4,578	0.00126	0.99874	99.90
1.5	3,522,266	5,101	0.00145	0.99855	99.78
2.5	3,517,166	917	0.00026	0.99974	99.63
3.5	3,516,249	824	0.00023	0.99977	99.61
4.5	3,515,425	1,948	0.00055	0.99945	99.58
5.5	3,513,477	1,071	0.00030	0.99970	99.53
6.5	3,512,406	1,866	0.00053	0.99947	99.50
7.5	3,510,540	310	0.00009	0.99991	99.44
8.5	3,456,708	2,096	0.00061	0.99939	99.44
9.5	3,260,349	209	0.00006	0.99994	99.37
10.5	3,260,140	5,107	0.00157	0.99843	99.37
11.5	3,229,154	4,468	0.00138	0.99862	99.21
12.5	3,224,686	2,824	0.00088	0.99912	99.08
13.5	3,221,862	1,488	0.00046	0.99954	98.99
14.5	3,184,611	1,816	0.00057	0.99943	98.94
15.5	3,182,494	2	0.00000	1.00000	98.89
16.5	2,694,277	0	0.00000	1.00000	98.89
17.5	2,694,277	288	0.00011	0.99989	98.89
18.5	2,407,288	1,769	0.00073	0.99927	98.88
19.5	2,405,519	0	0.00000	1.00000	98.80
20.5	2,211,607	0	0.00000	1.00000	98.80
21.5	2,211,607	0	0.00000	1.00000	98.80
22.5	2,211,607	0	0.00000	1.00000	98.80
23.5	2,142,143	0	0.00000	1.00000	98.80
24.5	2,127,172	0	0.00000	1.00000	98.80
25.5	1,981,855	0	0.00000	1.00000	98.80
26.5	1,870,574	529	0.00028	0.99972	98.80
27.5	1,834,132	0	0.00000	1.00000	98.78
28.5	1,816,056	0	0.00000	1.00000	98.78
29.5	1,770,795	0	0.00000	1.00000	98.78
30.5	1,714,746	0	0.00000	1.00000	98.78
31.5	1,639,754	0	0.00000	1.00000	98.78
32.5	1,564,633	0	0.00000	1.00000	98.78
33.5	1,484,636	0	0.00000	1.00000	98.78
34.5	1,395,256	0	0.00000	1.00000	98.78
35.5	1,289,138	0	0.00000	1.00000	98.78
36.5	1,126,541	0	0.00000	1.00000	98.78
37.5	1,034,680	0	0.00000	1.00000	98.78
38.5	958,705	0	0.00000	1.00000	98.78
39.5	855,869	0	0.00000	1.00000	98.78
40.5	797,864	0	0.00000	1.00000	98.78
41.5	771,703	0	0.00000	1.00000	98.78
42.5	733,681	0	0.00000	1.00000	98.78
43.5	717,329	0	0.00000	1.00000	98.78
44.5	683,617	0	0.00000	1.00000	98.78
45.5	660,119	0	0.00000	1.00000	98.78

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 360 LAND RIGHTS**

Placement Band 1927 to 2019  
Observation Band 1927 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
46.5	633,775	0	0.00000	1.00000	98.78
47.5	608,298	0	0.00000	1.00000	98.78
48.5	575,141	0	0.00000	1.00000	98.78
49.5	550,397	0	0.00000	1.00000	98.78
50.5	510,099	0	0.00000	1.00000	98.78
51.5	490,771	0	0.00000	1.00000	98.78
52.5	476,088	0	0.00000	1.00000	98.78
53.5	444,977	0	0.00000	1.00000	98.78
54.5	420,954	0	0.00000	1.00000	98.78
55.5	396,758	0	0.00000	1.00000	98.78
56.5	379,628	0	0.00000	1.00000	98.78
57.5	340,751	0	0.00000	1.00000	98.78
58.5	318,421	0	0.00000	1.00000	98.78
59.5	310,516	0	0.00000	1.00000	98.78
60.5	301,724	0	0.00000	1.00000	98.78
61.5	296,552	0	0.00000	1.00000	98.78
62.5	274,231	0	0.00000	1.00000	98.78
63.5	267,560	0	0.00000	1.00000	98.78
64.5	260,454	0	0.00000	1.00000	98.78
65.5	253,773	0	0.00000	1.00000	98.78
66.5	246,616	0	0.00000	1.00000	98.78
67.5	242,477	0	0.00000	1.00000	98.78
68.5	239,991	0	0.00000	1.00000	98.78
69.5	227,299	0	0.00000	1.00000	98.78
70.5	222,978	0	0.00000	1.00000	98.78
71.5	184,944	0	0.00000	1.00000	98.78
72.5	155,619	0	0.00000	1.00000	98.78
73.5	154,519	0	0.00000	1.00000	98.78
74.5	152,166	0	0.00000	1.00000	98.78
75.5	149,286	0	0.00000	1.00000	98.78
76.5	145,437	0	0.00000	1.00000	98.78
77.5	143,922	0	0.00000	1.00000	98.78
78.5	134,940	393	0.00291	0.99709	98.78
79.5	133,449	0	0.00000	1.00000	98.49
80.5	132,047	0	0.00000	1.00000	98.49
81.5	130,223	0	0.00000	1.00000	98.49
82.5	128,137	0	0.00000	1.00000	98.49
83.5	124,373	0	0.00000	1.00000	98.49
84.5	123,244	0	0.00000	1.00000	98.49
85.5	120,315	0	0.00000	1.00000	98.49
86.5	115,233	0	0.00000	1.00000	98.49
87.5	107,503	0	0.00000	1.00000	98.49
88.5	65,637	0	0.00000	1.00000	98.49
89.5	53,996	0	0.00000	1.00000	98.49
90.5	50,275	0	0.00000	1.00000	98.49
91.5	43,374	0	0.00000	1.00000	98.49
92.5	0	0	0.00000	0.00000	98.49

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 361 STRUCTURES AND IMPROVEMENTS**

Placement Band 1926 to 2019  
Observation Band 1926 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
0	9,788,124	0	0.00000	1.00000	100.00
0.5	9,465,805	8,796	0.00093	0.99907	100.00
1.5	6,513,170	0	0.00000	1.00000	99.91
2.5	5,608,885	189	0.00003	0.99997	99.91
3.5	5,608,696	602	0.00011	0.99989	99.90
4.5	5,608,094	0	0.00000	1.00000	99.89
5.5	5,259,844	5,620	0.00107	0.99893	99.89
6.5	5,254,224	4,915	0.00094	0.99906	99.79
7.5	5,015,399	0	0.00000	1.00000	99.69
8.5	5,015,399	254	0.00005	0.99995	99.69
9.5	3,807,583	0	0.00000	1.00000	99.69
10.5	2,841,548	2,228	0.00078	0.99922	99.69
11.5	2,586,320	178	0.00007	0.99993	99.61
12.5	2,548,739	2,830	0.00111	0.99889	99.60
13.5	2,545,909	1,531	0.00060	0.99940	99.49
14.5	2,544,378	1,552	0.00061	0.99939	99.43
15.5	2,510,557	0	0.00000	1.00000	99.37
16.5	2,478,439	0	0.00000	1.00000	99.37
17.5	2,478,439	118	0.00005	0.99995	99.37
18.5	2,473,655	190	0.00008	0.99992	99.37
19.5	2,473,465	381	0.00015	0.99985	99.36
20.5	2,473,084	1,325	0.00054	0.99946	99.34
21.5	2,471,759	32,818	0.01328	0.98672	99.29
22.5	2,427,503	118	0.00005	0.99995	97.97
23.5	2,427,385	0	0.00000	1.00000	97.96
24.5	2,427,385	60,570	0.02495	0.97505	97.96
25.5	2,324,746	3,722	0.00160	0.99840	95.52
26.5	2,264,993	41	0.00002	0.99998	95.37
27.5	2,012,847	6,734	0.00335	0.99665	95.37
28.5	1,999,814	0	0.00000	1.00000	95.05
29.5	1,990,735	1,261	0.00063	0.99937	95.05
30.5	1,919,431	729	0.00038	0.99962	94.99
31.5	1,880,986	793	0.00042	0.99958	94.95
32.5	1,879,225	1,188	0.00063	0.99937	94.91
33.5	1,864,637	231	0.00012	0.99988	94.85
34.5	1,832,853	9,896	0.00540	0.99460	94.84
35.5	1,635,179	9,293	0.00568	0.99432	94.33
36.5	1,435,448	0	0.00000	1.00000	93.79
37.5	1,311,678	5,864	0.00447	0.99553	93.79
38.5	1,240,554	589	0.00047	0.99953	93.37
39.5	1,236,029	185	0.00015	0.99985	93.33
40.5	1,065,383	3,507	0.00329	0.99671	93.31
41.5	938,505	323	0.00034	0.99966	93.01
42.5	894,681	16,452	0.01839	0.98161	92.98
43.5	732,459	0	0.00000	1.00000	91.27
44.5	709,310	312	0.00044	0.99956	91.27
45.5	582,859	300	0.00052	0.99948	91.23



**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 361 STRUCTURES AND IMPROVEMENTS**

Placement Band 1926 to 2019  
Observation Band 1926 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
46 5	547,212	2,218	0.00405	0.99595	91.18
47 5	490,178	381	0.00078	0.99922	90.81
48.5	467,923	4,926	0.01053	0.98947	90.74
49.5	392,915	13,156	0.03348	0.96652	89.78
50 5	350,738	5,535	0.01578	0.98422	86.78
51.5	332,248	669	0.00201	0.99799	85.41
52.5	310,209	2,180	0.00703	0.99297	85.24
53 5	283,929	2,248	0.00792	0.99208	84.64
54.5	247,514	350	0.00142	0.99858	83.97
55 5	228,392	2,483	0.01087	0.98913	83.85
56 5	222,466	46	0.00021	0.99979	82.94
57 5	205,689	481	0.00234	0.99766	82.92
58.5	182,483	373	0.00204	0.99796	82.73
59.5	173,890	1,955	0.01124	0.98876	82.56
60 5	146,843	10,100	0.06878	0.93122	81.63
61.5	106,429	70	0.00066	0.99934	76.02
62.5	91,991	0	0.00000	1.00000	75.97
63 5	83,024	0	0.00000	1.00000	75.97
64 5	80,741	0	0.00000	1.00000	75.97
65.5	69,215	0	0.00000	1.00000	75.97
66.5	53,007	0	0.00000	1.00000	75.97
67.5	38,274	0	0.00000	1.00000	75.97
68.5	31,923	2,789	0.08737	0.91263	75.97
69.5	24,879	119	0.00479	0.99521	69.33
70 5	16,824	0	0.00000	1.00000	69.00
71 5	11,654	0	0.00000	1.00000	69.00
72.5	10,688	0	0.00000	1.00000	69.00
73 5	10,598	0	0.00000	1.00000	69.00
74.5	10,598	0	0.00000	1.00000	69.00
75.5	10,281	1,257	0.12223	0.87777	69.00
76.5	8,641	0	0.00000	1.00000	60.56
77 5	8,107	0	0.00000	1.00000	60.56
78 5	7,857	0	0.00000	1.00000	60.56
79.5	7,857	0	0.00000	1.00000	60.56
80 5	7,857	0	0.00000	1.00000	60.56
81.5	7,590	0	0.00000	1.00000	60.56
82 5	7,590	0	0.00000	1.00000	60.56
83 5	7,590	0	0.00000	1.00000	60.56
84.5	7,590	0	0.00000	1.00000	60.56
85 5	6,591	0	0.00000	1.00000	60.56
86 5	6,591	0	0.00000	1.00000	60.56
87 5	6,591	0	0.00000	1.00000	60.56
88.5	4,658	0	0.00000	1.00000	60.56
89 5	4,658	0	0.00000	1.00000	60.56
90.5	3,665	0	0.00000	1.00000	60.56
91 5	518	0	0.00000	1.00000	60.56
92 5	518	0	0.00000	1.00000	60.56

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 361 STRUCTURES AND IMPROVEMENTS**

Placement Band 1926 to 2019  
Observation Band 1926 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
93.5	0	0	0 00000	0.00000	60 56

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 362 STATION EQUIPMENT**

Placement Band 1923 to 2019  
Observation Band 1923 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
0	380,878,577	155,542	0.00041	0.99959	100.00
0.5	369,940,902	823,875	0.00223	0.99777	99.96
1.5	344,669,067	1,013,821	0.00294	0.99706	99.74
2.5	322,183,568	1,706,394	0.00530	0.99470	99.44
3.5	309,887,968	1,775,664	0.00573	0.99427	98.92
4.5	287,085,545	1,503,264	0.00524	0.99476	98.35
5.5	271,936,804	1,785,045	0.00656	0.99344	97.83
6.5	258,786,992	1,472,932	0.00569	0.99431	97.19
7.5	224,287,886	979,938	0.00437	0.99563	96.64
8.5	209,383,403	4,825,944	0.02305	0.97695	96.22
9.5	190,324,282	1,376,053	0.00723	0.99277	94.00
10.5	176,241,681	1,368,810	0.00777	0.99223	93.32
11.5	160,358,774	1,431,174	0.00892	0.99108	92.59
12.5	146,916,527	1,138,776	0.00775	0.99225	91.77
13.5	135,400,792	1,260,550	0.00931	0.99069	91.06
14.5	130,992,704	1,117,824	0.00853	0.99147	90.21
15.5	123,332,250	1,755,962	0.01424	0.98576	89.44
16.5	118,716,129	744,073	0.00627	0.99373	88.17
17.5	111,901,590	713,155	0.00637	0.99363	87.61
18.5	106,886,873	2,266,530	0.02120	0.97880	87.06
19.5	101,971,112	659,303	0.00647	0.99353	85.21
20.5	97,729,072	472,258	0.00483	0.99517	84.66
21.5	94,683,724	1,866,885	0.01972	0.98028	84.25
22.5	88,829,058	778,766	0.00877	0.99123	82.59
23.5	82,777,294	502,383	0.00607	0.99393	81.86
24.5	75,673,467	1,623,421	0.02145	0.97855	81.37
25.5	70,946,889	303,270	0.00427	0.99573	79.62
26.5	63,455,783	396,595	0.00625	0.99375	79.28
27.5	59,503,380	378,397	0.00636	0.99364	78.79
28.5	56,868,553	380,380	0.00669	0.99331	78.29
29.5	53,873,614	700,150	0.01300	0.98700	77.76
30.5	51,215,347	519,007	0.01013	0.98987	76.75
31.5	49,721,235	370,677	0.00746	0.99254	75.97
32.5	48,664,948	340,230	0.00699	0.99301	75.41
33.5	47,906,995	604,512	0.01262	0.98738	74.88
34.5	46,102,105	598,300	0.01298	0.98702	73.93
35.5	43,951,890	251,671	0.00573	0.99427	72.97
36.5	40,511,373	347,596	0.00858	0.99142	72.56
37.5	38,377,190	612,776	0.01597	0.98403	71.93
38.5	36,433,235	260,403	0.00715	0.99285	70.78
39.5	35,415,304	519,080	0.01466	0.98534	70.28
40.5	31,232,594	489,461	0.01567	0.98433	69.25
41.5	28,798,290	279,129	0.00969	0.99031	68.16
42.5	28,092,671	319,143	0.01136	0.98864	67.50
43.5	26,125,469	481,469	0.01843	0.98157	66.74
44.5	23,787,034	458,750	0.01929	0.98071	65.51
45.5	22,109,688	546,452	0.02472	0.97528	64.24

**SOUTHWESTERN ELECTRIC POWER COMPANY  
DEPRECIATION STUDY AS OF DECEMBER 2019  
OBSERVED LIFE TABLE - ACCOUNT 362 STATION EQUIPMENT**

Placement Band 1923 to 2019  
Observation Band 1923 to 2019

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Interval
46.5	20,284,455	300,112	0.01480	0.98520	62.65
47.5	18,677,960	189,995	0.01017	0.98983	61.73
48.5	17,564,936	171,114	0.00974	0.99026	61.10
49.5	16,028,892	422,602	0.02636	0.97364	60.50
50.5	14,586,843	405,301	0.02779	0.97221	58.91
51.5	13,319,947	314,272	0.02359	0.97641	57.27
52.5	11,980,625	283,281	0.02364	0.97636	55.92
53.5	10,963,134	215,945	0.01970	0.98030	54.60
54.5	10,198,814	301,844	0.02960	0.97040	53.52
55.5	9,173,708	217,296	0.02369	0.97631	51.94
56.5	8,689,571	241,444	0.02779	0.97221	50.71
57.5	8,053,445	162,929	0.02023	0.97977	49.30
58.5	7,437,075	213,518	0.02871	0.97129	48.30
59.5	6,902,681	185,860	0.02693	0.97307	46.92
60.5	6,102,816	292,935	0.04800	0.95200	45.65
61.5	5,160,037	121,783	0.02360	0.97640	43.46
62.5	4,557,376	156,662	0.03438	0.96562	42.44
63.5	3,982,925	131,257	0.03295	0.96705	40.98
64.5	3,370,417	58,801	0.01745	0.98255	39.63
65.5	2,896,732	113,481	0.03918	0.96082	38.94
66.5	2,179,019	57,674	0.02647	0.97353	37.41
67.5	1,918,154	12,592	0.00656	0.99344	36.42
68.5	1,682,373	36,985	0.02198	0.97802	36.18
69.5	1,374,063	21,315	0.01551	0.98449	35.39
70.5	1,168,018	58,991	0.05051	0.94949	34.84
71.5	843,295	26,925	0.03193	0.96807	33.08
72.5	554,531	6,970	0.01257	0.98743	32.02
73.5	480,344	5,461	0.01137	0.98863	31.62
74.5	463,901	3,682	0.00794	0.99206	31.26
75.5	442,137	45,154	0.10213	0.89787	31.01
76.5	380,310	6,159	0.01619	0.98381	27.84
77.5	368,283	14,266	0.03874	0.96126	27.39
78.5	328,904	13,680	0.04159	0.95841	26.33
79.5	301,285	5,079	0.01686	0.98314	25.24
80.5	295,166	9,820	0.03327	0.96673	24.81
81.5	246,441	10,338	0.04195	0.95805	23.99
82.5	189,848	4,119	0.02170	0.97830	22.98
83.5	156,646	10,536	0.06726	0.93274	22.48
84.5	142,671	3,692	0.02588	0.97412	20.97
85.5	128,787	4,043	0.03140	0.96860	20.43
86.5	117,394	1,306	0.01113	0.98887	19.79
87.5	115,257	1,297	0.01126	0.98874	19.57
88.5	85,724	9,066	0.10576	0.89424	19.35
89.5	71,384	70	0.00098	0.99902	17.30
90.5	69,627	0	0.00000	1.00000	17.28
91.5	24,493	174	0.00710	0.99290	17.28
92.5	16,276	0	0.00000	1.00000	17.16