

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1963	1,268,530.68	1,315,679	1,344,643			
1965	11,653.00	12,077	12,352			
1966	10,986.00	11,381	11,645			
1967	2,142.72	2,219	2,271			
1979	24,545.95	25,237	26,019			
1980	400.00	411	424			
1983	1,964.15	2,013	2,082			
1992	96,409.90	97,665	102,194			
1997	19,477.46	19,523	20,646			
2004	43,200.52	42,123	45,793			
2005	5,793.58	5,613	6,141			
2007	565,018.59	538,668	598,920			
2009	21,690.24	20,201	22,992			
2012	133,555.40	116,661	141,569			
2015	91,828.24	66,222	84,186	13,152	1.17	11,241
2016	12,530.96	7,440	9,458	3,825	1.17	3,269
	2,309,727.39	2,283,133	2,431,335	16,976		14,510
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1967	1,440.97	1,129	1,300	227	16.88	13
1968	93.83	73	84	15	16.90	1
1971	7,455,327.76	5,715,511	6,583,108	1,319,539	16.96	77,803
1972	56,652.66	43,172	49,725	10,326	16.98	608
1973	11,995.55	9,086	10,465	2,250	16.99	132
1974	2,999.00	2,257	2,600	579	17.01	34
1975	15,098.31	11,286	12,999	3,005	17.03	176
1977	1,211,596.00	892,827	1,028,355	255,936	17.06	15,002
1979	8,850.03	6,421	7,396	1,985	17.09	116
1980	275,262.00	198,097	228,168	63,610	17.10	3,720
1983	3,928.40	2,751	3,169	996	17.14	58
1984	146,459.90	101,557	116,973	38,274	17.15	2,232
1985	37,553.55	25,772	29,684	10,123	17.16	590
1986	44,536.07	30,229	34,818	12,391	17.17	722
1987	251,180.26	168,476	194,050	72,201	17.19	4,200
1988	56,900.74	37,703	43,426	16,889	17.20	982

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BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1989	477,066.00	312,031	359,396	146,294	17.21	8,501
1990	19,516.88	12,591	14,502	6,186	17.22	359
1991	68,381.00	43,480	50,080	22,404	17.23	1,300
1992	756,531.00	473,688	545,592	256,330	17.24	14,868
1993	84,689.00	52,157	60,074	29,696	17.25	1,722
1995	22,964.00	13,643	15,714	8,628	17.26	500
1997	196,910.73	112,184	129,213	79,512	17.28	4,601
1998	127,955.64	71,207	82,016	53,617	17.29	3,101
2001	83,885.45	43,000	49,527	39,391	17.31	2,276
2003	193,441.22	92,561	106,611	98,436	17.33	5,680
2004	122,280.23	56,258	64,798	64,819	17.33	3,740
2005	95,151.19	41,875	48,231	52,629	17.34	3,035
2007	8,016,945.98	3,175,264	3,657,259	4,840,703	17.35	279,003
2009	200,931.69	69,398	79,932	133,055	17.36	7,664
2010	423,902.15	134,239	154,616	294,720	17.37	16,967
2011	43,327.16	12,394	14,275	31,651	17.37	1,822
2012	602,913.83	152,135	175,229	463,860	17.38	26,689
2013	504,143.53	108,936	125,472	408,920	17.38	23,528
2014	966,396.11	169,996	195,801	828,579	17.39	47,647
2015	57,124.43	7,531	8,674	51,878	17.39	2,983
2016	3,484,095.76	291,463	335,706	3,357,435	17.39	193,067
2017	2,625,976.32	76,241	87,814	2,695,721	17.40	154,926
	28,754,404.33	12,768,619	14,706,856	15,772,813		910,368
BROWN UNITS 1, 2 AND 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
2013	45,235,689.37	9,774,573	12,240,569	35,709,262	17.38	2,054,618
2015	146,854.51	19,360	24,244	131,422	17.39	7,557
	45,382,543.88	9,793,933	12,264,813	35,840,684		2,062,175

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GHENT UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1997	8,362,584.36	4,984,716	7,487,753	1,543,838	16.31	94,656
2007	34,607.76	14,486	21,760	15,616	16.37	954
	8,397,192.12	4,999,202	7,509,513	1,559,454		95,610
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1974	14,424,151.94	11,243,950	14,576,346	1,001,738	16.07	62,336
1979	287,003.73	216,033	280,059	29,905	16.14	1,853
1980	27,171.00	20,290	26,303	3,041	16.15	188
1981	10,791.00	7,992	10,361	1,294	16.16	80
1985	107,260.53	76,532	99,214	16,627	16.20	1,026
1987	218,325.45	152,432	197,609	38,183	16.22	2,354
1988	97,360.62	67,175	87,084	18,066	16.23	1,113
1992	29,300.00	19,139	24,811	6,833	16.27	420
1994	74,968.00	47,379	61,421	19,545	16.29	1,200
1995	60,912.73	37,820	49,029	16,757	16.29	1,029
1996	351,738.57	214,137	277,601	102,276	16.30	6,275
1997	33,704.37	20,090	26,044	10,357	16.31	635
2003	143,388.86	72,171	93,560	61,299	16.35	3,749
2005	240,490.70	111,520	144,571	115,159	16.36	7,039
2007	240,638.23	100,728	130,581	129,308	16.37	7,899
2009	333,988.93	122,179	158,389	202,319	16.38	12,352
2010	643,507.32	216,475	280,632	414,356	16.38	25,296
2011	511,676.99	155,538	201,635	350,976	16.39	21,414
2013	237,388.65	54,719	70,936	185,444	16.40	11,308
2015	1,094,293.61	155,246	201,257	980,580	16.40	59,791
2016	1,515,148.86	135,376	175,498	1,460,863	16.41	89,023
2017	662,038.58	21,143	27,409	687,592	16.41	41,901
	21,345,248.67	13,268,064	17,200,351	5,852,518		358,281

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GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1977	14,678,326.49	11,215,075	13,481,827	2,370,765	16.11	147,161
1979	227,477.00	171,226	205,834	39,842	16.14	2,469
1980	88,059.38	65,759	79,050	16,054	16.15	994
1981	10,786.00	7,989	9,604	2,045	16.16	127
1986	385,657.47	272,277	327,309	89,201	16.21	5,503
1988	13,292.75	9,171	11,025	3,332	16.23	205
1989	11,294.78	7,696	9,251	2,947	16.24	181
1991	1,925.73	1,260	1,539	545	16.26	34
1995	27,739.56	17,223	20,704	9,255	16.29	568
1998	67,159.90	39,131	47,040	25,493	16.32	1,562
2003	223,834.88	112,661	135,432	106,310	16.35	6,502
2013	194,635.03	44,864	53,932	156,274	16.40	9,529
2015	130,289.29	18,484	22,220	118,493	16.40	7,225
2016	351,144.86	31,374	37,715	341,521	16.41	20,812
2017	241,422.48	7,710	9,268	251,468	16.41	15,324
	16,653,049.60	12,021,920	14,451,749	3,533,545		218,196
GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1981	34,380,542.39	24,098,010	27,869,728	9,261,258	19.01	487,178
1982	1,235,435.00	857,535	991,753	342,517	19.03	17,999
1983	511.16	351	406	146	19.04	8
1987	2,248,542.00	1,475,414	1,706,340	722,086	19.10	37,806
1995	9,779.16	5,636	6,518	4,043	19.20	211
1996	195,780.51	110,454	127,742	83,701	19.21	4,357
2001	263,336.76	129,845	150,168	134,236	19.26	6,970
2002	234,131.24	111,545	129,004	123,858	19.27	6,428
2004	2,640,221.52	1,161,591	1,343,398	1,508,041	19.29	78,177
2005	105,410.84	44,326	51,264	62,580	19.29	3,244
2010	643,443.60	192,351	222,492	472,427	19.33	24,440
2011	109,652.90	29,482	34,096	84,340	19.34	4,361
2014	8,999,804.63	1,474,395	1,705,161	8,014,628	19.35	414,193
2016	64,860.31	5,006	5,790	64,260	19.36	3,319
2017	325,594.72	8,675	10,033	341,610	19.37	17,636
	51,457,056.74	29,704,646	34,353,891	21,219,730		1,106,327



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GHENT UNIT 4 INTERIM SURVIVOR CURVE.. IOWA 105-R2.5 PROBABLE RETIREMENT YEAR.. 6-2038 NET SALVAGE PERCENT.. -8						
1984	15,364,534.75	10,252,914	9,452,560	7,141,138	20.00	357,057
1985	928,979.83	612,744	564,912	438,386	20.02	21,897
1986	734,905.00	478,798	441,422	352,275	20.04	17,579
1987	15,869.00	10,209	9,412	7,726	20.05	385
1988	8,118.00	5,152	4,750	4,018	20.07	200
1989	20,054.00	12,549	11,569	10,089	20.08	502
1990	23,192.76	14,292	13,176	11,872	20.10	591
1991	16,217.00	9,837	9,069	8,445	20.11	420
1992	24,302.00	14,490	13,359	12,887	20.13	640
1993	42,417.00	24,842	22,903	22,908	20.14	1,137
1994	11,881.56	6,827	6,294	6,538	20.15	324
1996	70,941.70	39,062	36,013	40,604	20.18	2,012
1997	1,942,659.00	1,044,866	963,303	1,134,780	20.19	56,205
2001	618,493.64	296,794	273,571	394,403	20.23	19,496
2002	186,501.00	86,387	79,644	121,778	20.24	6,017
2003	86,074.14	38,365	35,370	57,590	20.25	2,844
2004	276,923.25	118,309	109,074	190,003	20.26	9,378
2005	181,861.63	74,100	68,316	128,095	20.27	6,319
2007	7,212,117.43	2,627,726	2,422,603	5,366,484	20.29	264,489
2010	581,597.75	167,578	154,497	473,629	20.31	23,320
2011	437,903.41	113,415	104,562	368,374	20.32	18,129
2012	265,809.06	60,535	55,810	231,264	20.32	11,381
2013	1,076,247.83	208,351	192,087	970,261	20.33	47,726
2014	10,160,659.69	1,591,379	1,467,154	9,506,358	20.34	467,373
2015	462,088.77	54,043	49,824	449,232	20.34	22,086
2016	903,040.74	66,124	60,962	914,322	20.35	44,930
2017	1,617,760.77	41,897	38,626	1,708,555	20.35	83,958
	43,271,160.71	18,071,525	16,660,841	30,072,013		1,486,395
GHENT UNIT 2 SCRUBBER INTERIM SURVIVOR CURVE.. IOWA 105-R2.5 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -8						
1994	15,816,339.70	9,995,838	14,084,948	2,996,699	16.29	183,959
	15,816,339.70	9,995,838	14,084,948	2,996,699		183,959

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GHENT UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2017	36,901.04	956		39,853	20.35	1,958
	36,901.04	956		39,853		1,958
	341,081,605.72	142,890,522	170,461,214	201,288,261		8,265,062
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 24.4 2.42						

KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TYRONE UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1947	559,688.83	615,658	615,658			
1948	291,289.73	320,419	320,419			
1949	3,757.35	4,133	4,133			
1951	449.85	495	495			
1953	284,320.41	312,752	312,752			
1954	19,256.64	21,182	21,182			
1955	1,152.61	1,268	1,268			
1966	18.41	20	20			
1970	15,244.21	16,769	16,769			
1973	0.48	1	1			
1978	45,723.00	50,295	50,295			
1987	1.57	2	2			
1989	18,427.65	20,270	20,270			
1994	23,811.21	26,192	26,192			
1995	7,264.00	7,990	7,990			
1996	21.00	23	23			
1998	6,158.71	6,775	6,775			
1999	1,781.97	1,960	1,960			
2000	10,208.60	11,229	11,229			
2003	10,426.12	11,469	11,469			
2004	2,086.10	2,295	2,295			
2007	135,867.17	149,454	149,454			
2009	157,801.67	173,582	173,582			
2011	10,306.64	11,337	11,337			
2013	6,150.84	6,766	6,766			
2015	209,964.73	230,961	230,961			
	1,821,179.50	2,003,297	2,003,297			

TYRONE UNITS 1 AND 2  
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5  
PROBABLE RETIREMENT YEAR.. 12-2015  
NET SALVAGE PERCENT.. -10

1947	464,339.65	510,774	510,774			
1973	32,257.44	35,483	35,483			
1974	3,680.00	4,048	4,048			
2000	36,257.09	39,883	39,883			

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TYRONE UNITS 1 AND 2						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2001	78,101.58	85,912	85,912			
2003	11,541.15	12,695	12,695			
2004	4,683.12	5,151	5,151			
	630,860.03	693,946	693,946			
GREEN RIVER UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1954	1,550,242.02	1,705,266	1,705,266			
1955	34,484.51	37,933	37,933			
1977	454,212.76	499,634	499,634			
1978	2,303.00	2,533	2,533			
1982	372,934.13	410,228	410,228			
1985	19,443.60	21,388	21,388			
1996	107,389.55	118,129	118,129			
1997	26,427.69	29,070	29,070			
2007	40,561.24	44,617	44,617			
2011	107,003.10	117,703	117,703			
2012	10,061.86	11,068	11,068			
2013	31,239.04	34,363	34,363			
	2,756,302.50	3,031,932	3,031,933			
GREEN RIVER UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1954	1,164.00	1,280	1,280			
1959	2,161,579.97	2,377,738	2,377,738			
1960	9,468.10	10,415	10,415			
1965	0.10	0	0			
1966	2,606.00	2,867	2,867			
1971	881.40	970	970			
1972	65.10	72	72			
1974	36.19	40	40			
1975	1,648.52	1,813	1,813			

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GREEN RIVER UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1980	42,214.04	46,435	46,435			
1981	66.60	73	73			
1982	1,306.83	1,438	1,438			
1984	7,645.65	8,410	8,410			
1985	24,235.92	26,660	26,660			
1986	79,771.36	87,748	87,748			
1987	8,740.03	9,614	9,614			
1988	18,125.00	19,938	19,938			
1989	156.90	173	173			
1990	0.35		0			
1991	152,430.19	167,673	167,673			
1992	2,336.56	2,570	2,570			
1993	4,681.88	5,150	5,150			
1994	0.20		0			
1995	35,470.17	39,017	39,017			
1996	148,489.00	163,338	163,338			
1997	103,109.11	113,420	113,420			
1999	13,769.35	15,146	15,146			
2000	125,696.00	138,266	138,266			
2001	42,304.92	46,535	46,535			
2003	61,159.54	67,275	67,275			
2004	23,213.76	25,535	25,535			
2005	230,880.63	253,969	253,969			
2006	23,820.27	26,202	26,202			
2007	126,896.02	139,586	139,586			
2009	247,241.98	271,966	271,966			
2010	93,859.03	103,245	103,245			
2011	463,969.76	510,367	510,367			
2012	520,231.89	572,255	572,255			
2013	809,993.40	890,993	890,993			
2016	42,182.68	46,401	46,401			
	5,631,448.40	6,194,593	6,194,593			

KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GREEN RIVER UNITS 1 AND 2						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1941	632.00	695	695			
1950	1,022,178.80	1,124,397	1,124,397			
1951	43,895.11	48,285	48,285			
1954	12,435.28	13,679	13,679			
1960	11,239.00	12,363	12,363			
1961	219.00	241	241			
1965	6,953.70	7,649	7,649			
1970	0.08		0			
1973	5,098.15	5,608	5,608			
1974	32,248.63	35,473	35,473			
1975	427,498.02	470,248	470,248			
1977	91,811.76	100,993	100,993			
1978	34,073.00	37,480	37,480			
1997	68,189.00	75,008	75,008			
	1,756,471.53	1,932,119	1,932,119			
PINEVILLE UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1951	5,844.00	6,428	6,428			
1963	7,129.00	7,842	7,842			
1970	1,082.00	1,190	1,190			
1975	8,772.00	9,649	9,649			
1976	20.00	22	22			
1978	2,577.11	2,835	2,835			
1979	8,108.00	8,919	8,919			
1988	1,821.00	2,003	2,003			
1995	31,090.00	34,199	34,199			
1997	6,678.00	7,346	7,346			
2000	10,484.00	11,532	11,532			

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PINEVILLE UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2002	51,958.50	57,154	57,154			
2011	9,638.92	10,603	10,603			
2013	37,239.96	40,964	40,964			
	182,442.49	200,686	200,687			
	12,778,704.45	14,056,573	14,056,575			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00						

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	30,411,667.13	12,652,230	17,857,673	16,507,510	38.51	428,655
1999	46,214.59	14,440	20,381	31,842	40.74	782
2002	235,262.87	64,194	90,605	175,242	41.37	4,236
2003	251,881.90	65,234	92,073	192,554	41.57	4,632
2004	103,726.28	25,377	35,818	81,393	41.76	1,949
2008	11,126.98	2,041	2,881	9,693	42.47	228
2011	479,985,991.31	63,350,471	89,414,437	452,969,733	42.95	10,546,443
2012	4,494,781.01	510,856	721,035	4,358,068	43.10	101,115
2013	836,833.81	79,319	111,953	833,669	43.25	19,276
2014	10,993,731.73	825,876	1,165,662	11,257,255	43.39	259,444
2015	5,565,936.43	303,909	428,945	5,860,563	43.53	134,633
2016	8,836,470.17	295,163	416,600	9,568,611	43.67	219,112
2017	12,492,828.31	140,463	198,253	13,918,643	43.80	317,777
	554,266,452.52	78,329,573	110,556,316	515,764,775		12,038,282
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	11,005,849.25	4,578,787	7,757,291	4,679,319	38.51	121,509
2003	51,829.65	13,423	22,741	35,827	41.57	862
2005	14,655.98	3,374	5,716	10,845	41.94	259
2007	131,148.15	26,142	44,289	103,908	42.30	2,456
2011	60,043,715.62	7,924,810	13,426,057	54,423,341	42.95	1,267,133
2012	1,218,956.00	138,541	234,713	1,142,707	43.10	26,513
2013	131,025.54	12,419	21,040	127,019	43.25	2,937
2014	338,774.33	25,450	43,117	339,698	43.39	7,829
2016	17,436.11	582	986	18,717	43.67	429
	72,953,390.63	12,723,528	21,555,951	60,881,380		1,429,927
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1950	38,574.00	40,067	40,888			
1956	3,863,943.49	4,008,089	4,095,780			



KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1957	198,794.49	206,118	210,722			
1959	13,000.91	13,472	13,781			
1965	11,524.63	11,919	12,216			
1966	34.45	36	37			
1968	1,948.40	2,013	2,065			
1973	1,590,515.65	1,639,010	1,685,947			
1974	18,694.00	19,253	19,816			
1975	441,330.00	454,271	467,810			
1977	7,170.50	7,372	7,601			
1978	1,881.00	1,932	1,994			
1983	80,244.00	82,109	85,059			
1984	4,372.00	4,469	4,634			
1985	27,185.00	27,763	28,816			
1987	70,883.58	72,230	75,137			
1988	311,788.04	317,325	330,495			
1989	12,314.44	12,517	13,053			
1990	16,976.00	17,231	17,995			
1991	11,405,119.81	11,558,822	12,089,427			
1992	299,803.87	303,352	317,792			
1994	809,175.97	815,767	857,727			
1995	5,085.27	5,116	5,390			
1996	551,595.25	553,691	584,691			
1997	269,896.00	270,249	286,090			
1999	6,580.00	6,551	6,975			
2001	1,316,699.00	1,301,631	1,395,701			
2002	13,656.00	13,443	14,475			
2003	217,931.20	213,504	231,007			
2004	1,794,079.90	1,748,103	1,901,725			
2005	556,841.17	539,154	590,252			
2006	40,236.58	38,674	42,651			
2007	421,857.31	401,982	447,169			
2008	2,917,291.73	2,751,029	3,092,329			
2009	1,903,167.53	1,772,067	1,996,820	20,538	1.16	17,705
2010	2,427,890.91	2,224,821	2,506,997	66,567	1.16	57,385
2011	180,640.37	162,215	182,789	8,690	1.16	7,491
2012	3,112,190.42	2,719,994	3,064,974	233,948	1.16	201,679
2013	518,642.40	436,285	491,619	58,141	1.16	50,122
2014	64,953.85	51,638	58,187	10,664	1.16	9,193

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
2015	1,920,395.92	1,388,679	1,564,807	470,813	1.16	405,873
2016	629,503.50	376,282	424,006	243,267	1.16	209,713
2017	462,166.89	147,557	166,272	323,625	1.16	278,987
	38,556,575.43	36,737,802	39,433,716	1,436,254		1,238,148
BROWN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1963	4,969,891.71	5,143,600	5,268,085			
1964	83,935.36	86,839	88,971			
1965	2,736.70	2,830	2,901			
1966	425.52	440	451			
1975	2,622,355.35	2,699,252	2,779,697			
1976	19,653.62	20,218	20,833			
1977	1,845.00	1,897	1,956			
1978	16,079.65	16,519	17,044			
1980	82,061.00	84,181	86,985			
1985	3,930.00	4,013	4,166			
1988	117,057.24	119,136	124,081			
1989	38,963.27	39,603	41,301			
1990	28,392.45	28,819	30,096			
1991	382,847.00	388,006	405,818			
1992	195,307.00	197,618	207,025			
1993	2,164,127.18	2,185,883	2,293,975			
1994	3,820,792.27	3,851,912	4,050,040			
1995	314,560.32	316,469	333,434			
1998	380.00	379	403			
1999	1,985,695.00	1,976,947	2,104,837			
2002	30,185.00	29,713	31,996			
2003	419,887.86	411,357	445,081			
2004	3,336,963.09	3,251,447	3,537,181			
2005	115,467.62	111,800	122,396			
2007	319,765.64	304,701	338,952			
2008	38,247.48	36,068	40,542			
2009	5,684,731.37	5,293,136	6,025,815			
2010	1,991,547.56	1,824,973	2,111,040			
2011	636,571.01	571,641	674,765			

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
2012	6,650,986.04	5,812,833	6,880,984	169,061	1.16	145,742
2013	595,614.98	501,035	593,104	38,248	1.16	32,972
2014	1,500,354.55	1,192,782	1,411,965	178,411	1.16	153,803
2015	2,829,271.46	2,045,907	2,421,858	577,170	1.16	497,560
2016	838,753.03	501,360	593,489	295,590	1.16	254,819
2017	365,423.23	116,669	138,108	249,241	1.16	214,863
	42,204,805.56	39,169,983	43,229,373	1,507,721		1,299,759
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1971	23,523,835.90	17,761,889	13,144,470	11,790,796	15.69	751,485
1972	227,473.81	170,702	126,326	114,796	15.75	7,289
1973	121,887.17	90,877	67,252	61,948	15.81	3,918
1974	23,028.00	17,059	12,624	11,785	15.86	743
1975	413.00	304	225	213	15.91	13
1976	8,312,827.29	6,073,393	4,494,541	4,317,056	15.96	270,492
1977	300,180.00	217,713	161,116	157,075	16.01	9,811
1980	328,422.00	232,514	172,069	176,058	16.15	10,901
1981	831.05	583	431	449	16.19	28
1982	1,751,913.00	1,218,619	901,824	955,204	16.23	58,854
1983	208,501.00	143,648	106,305	114,706	16.27	7,050
1984	583,948.05	398,267	294,733	324,252	16.31	19,881
1985	178,836.30	120,691	89,316	100,251	16.35	6,132
1986	6,308.00	4,211	3,116	3,570	16.38	218
1987	1,331,048.28	878,095	649,824	761,088	16.42	46,351
1988	825,544.36	538,032	398,164	476,913	16.45	28,992
1990	631,688.53	400,877	296,664	372,826	16.51	22,588
1991	23,220.54	14,524	10,748	13,865	16.54	838
1992	11,745,103.85	7,233,838	5,353,314	7,096,496	16.57	428,274
1993	2,346,857.63	1,421,703	1,052,114	1,435,555	16.60	86,479
1994	3,067,380.50	1,826,357	1,351,573	1,899,850	16.62	114,311
1995	750,300.20	438,387	324,423	470,895	16.65	28,282
1997	4,676,406.78	2,620,513	1,939,279	3,017,712	16.70	180,701
1998	68,370.00	37,441	27,708	44,764	16.72	2,677
1999	401,832.00	214,611	158,820	267,122	16.74	15,957
2000	127,001.94	66,001	48,843	85,779	16.76	5,118

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
2001	251,033.71	126,648	93,724	172,371	16.78	10,272
2002	74,954.25	36,601	27,086	52,365	16.80	3,117
2003	391,655.38	184,545	136,570	278,584	16.82	16,563
2004	86,283.64	39,073	28,915	62,545	16.84	3,714
2005	3,194,942.75	1,384,594	1,024,652	2,361,987	16.86	140,094
2006	3,039,853.38	1,253,679	927,770	2,294,475	16.88	135,929
2007	8,078,544.98	3,152,392	2,332,889	6,230,368	16.89	368,879
2008	1,093,013.42	400,097	296,087	862,507	16.91	51,006
2009	245,739.33	83,589	61,859	198,625	16.93	11,732
2010	1,198,155.42	374,346	277,030	993,015	16.94	58,620
2011	3,445,815.41	970,852	718,467	2,934,097	16.96	173,001
2012	126,893,443.63	31,595,706	23,382,018	111,125,032	16.97	6,548,322
2013	27,923,468.83	5,944,934	4,399,476	25,199,401	16.99	1,483,190
2014	2,079,275.62	361,020	267,168	1,936,864	17.00	113,933
2015	90,311,570.30	11,744,189	8,691,144	87,039,120	17.02	5,113,932
2016	99,107,043.92	8,137,442	6,022,015	99,031,452	17.03	5,815,118
2017	13,673,311.61	397,128	293,890	14,199,821	17.04	833,323
	442,651,264.76	108,327,684	80,166,586	389,043,755		22,988,128
BROWN UNITS 1, 2 AND 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1994	5,159,404.89	3,071,975	3,029,123	2,439,846	16.62	146,802
2010	31,326,108.76	9,787,373	9,650,845	23,554,831	16.94	1,390,486
2012	254,234.17	63,303	62,420	207,068	16.97	12,202
2013	295,455,751.48	62,902,825	62,025,367	251,157,730	16.99	14,782,680
2014	763,791.58	132,616	130,766	678,853	17.00	39,933
2015	578,635.26	75,246	74,196	539,157	17.02	31,678
2016	1,607,398.04	131,980	130,139	1,573,703	17.03	92,408
2017	33,243.04	966	953	34,285	17.04	2,012
	335,178,567.22	76,166,284	75,103,808	280,185,473		16,498,201

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1994	6,386.32	3,973	5,241	1,656	15.73	105
1997	21,423,616.00	12,575,465	16,588,163	6,549,342	15.79	414,778
2010	12,043.79	3,952	5,266	7,741	16.01	484
2011	759,148.82	227,705	300,363	519,517	16.02	32,429
2012	115,917,937.08	30,738,238	40,546,486	84,644,886	16.04	5,277,113
2013	152,123.49	34,589	45,626	118,667	16.05	7,394
2014	67,811.53	12,608	16,631	56,605	16.06	3,525
2015	452,417.04	63,260	83,446	405,165	16.07	25,213
2016	214,603.28	18,917	24,953	206,818	16.09	12,854
2017	570,048.23	17,823	23,510	592,142	16.10	36,779
	139,576,135.58	43,696,570	57,639,685	93,102,541		5,810,674
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1958	50,033.00	41,562	39,426	14,609	14.07	1,038
1974	48,328,296.23	37,094,152	35,187,978	17,006,582	15.05	1,130,005
1979	153,844.00	113,980	108,123	58,029	15.27	3,800
1980	485,218.64	356,612	338,287	185,750	15.31	12,133
1981	6,294.00	4,587	4,351	2,446	15.35	159
1982	40,874.00	29,537	28,019	16,125	15.38	1,048
1983	0.16		0			
1984	705.60	500	474	288	15.45	19
1985	3,913.34	2,748	2,607	1,620	15.48	105
1986	20,989.71	14,577	13,828	8,841	15.52	570
1987	190,485.08	130,824	124,101	81,623	15.55	5,249
1989	84,769.00	56,835	53,914	37,636	15.60	2,413
1990	63,912.00	42,287	40,114	28,911	15.63	1,850
1991	310,440.00	202,523	192,116	143,159	15.66	9,142
1992	354,903.01	228,156	216,432	166,864	15.68	10,642
1993	90,815.89	57,447	54,495	43,586	15.71	2,774
1994	379,207.79	235,902	223,780	185,765	15.73	11,810
1995	8,458,382.43	5,168,248	4,902,665	4,232,388	15.75	268,723
1996	787,729.69	472,080	447,821	402,927	15.77	25,550
1998	134,109.00	76,970	73,015	71,823	15.81	4,543
1999	149,045.50	83,471	79,182	81,788	15.83	5,167
2000	37,620.04	20,518	19,464	21,166	15.85	1,335

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
2001	4,242,188.53	2,247,394	2,131,906	2,449,657	15.87	154,358
2002	3,272,250.00	1,679,477	1,593,173	1,940,857	15.89	122,143
2003	1,517,122.97	752,363	713,701	924,792	15.90	58,163
2004	53,691,449.22	25,618,553	24,302,081	33,684,684	15.92	2,115,872
2005	6,533,312.05	2,985,313	2,831,905	4,224,072	15.94	264,998
2006	2,377,396.83	1,035,483	982,272	1,585,316	15.95	99,393
2007	1,359,443.47	560,456	531,656	936,543	15.97	58,644
2008	993,616.17	385,256	365,459	707,647	15.98	44,283
2009	3,419,068.72	1,232,920	1,169,563	2,523,031	16.00	157,689
2010	4,060,588.58	1,346,022	1,276,853	3,108,582	16.01	194,165
2011	4,926,814.09	1,477,790	1,401,850	3,919,109	16.02	244,639
2012	28,796,494.21	7,636,035	7,243,639	23,856,575	16.04	1,487,318
2013	1,552,115.87	352,908	334,773	1,341,512	16.05	83,583
2014	2,380,884.08	442,684	419,936	2,151,419	16.06	133,961
2015	166,530,486.47	23,285,558	22,088,972	157,763,953	16.07	9,817,296
2016	5,112,103.09	450,630	427,473	5,093,598	16.09	316,569
2017	5,034,197.76	157,399	149,311	5,287,623	16.10	328,424
	355,931,120.22	116,079,757	110,114,714	274,290,896		17,179,573
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1977	58,175,364.71	43,749,364	36,857,216	25,972,178	15.19	1,709,821
1978	378,364.00	282,472	237,972	170,661	15.23	11,206
1979	171,073.08	126,745	106,778	77,981	15.27	5,107
1980	41,332.94	30,378	25,592	19,047	15.31	1,244
1981	6,265.64	4,567	3,848	2,919	15.35	190
1982	74,950.00	54,161	45,629	35,317	15.38	2,296
1986	622,685.40	432,451	364,324	308,176	15.52	19,857
1987	303,212.93	208,245	175,439	152,031	15.55	9,777
1988	440,286.00	298,824	251,748	223,761	15.58	14,362
1989	22,395.85	15,016	12,650	11,537	15.60	740
1990	3,078.00	2,037	1,716	1,608	15.63	103
1991	159,055.00	103,763	87,416	84,363	15.66	5,387
1994	554,181.74	344,751	290,440	308,076	15.73	19,585
1995	192,226.00	117,454	98,951	108,653	15.75	6,899
1996	1,317,733.68	789,707	665,299	757,854	15.77	48,057

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1997	1,696,598.00	995,887	838,998	993,328	15.79	62,909
1998	31,096.00	17,847	15,035	18,548	15.81	1,173
1999	1,037,479.70	581,024	489,491	630,987	15.83	39,860
2000	18,464.61	10,071	8,484	11,457	15.85	723
2001	406,215.00	215,201	181,299	257,433	15.87	16,220
2002	5,138,574.32	2,637,365	2,221,882	3,327,778	15.89	209,426
2003	281,262.34	139,482	117,508	186,255	15.90	11,714
2005	2,911,587.84	1,330,413	1,120,824	2,023,691	15.94	126,957
2006	388,451.69	169,191	142,537	276,991	15.95	17,366
2007	384,330.33	158,447	133,486	281,591	15.97	17,632
2008	179,568.29	69,624	58,656	135,278	15.98	8,465
2009	209,912.20	75,695	63,770	162,935	16.00	10,183
2010	5,115,447.96	1,695,691	1,428,557	4,096,127	16.01	255,848
2011	696,400.85	208,884	175,977	576,136	16.02	35,964
2012	30,284,534.59	8,030,623	6,765,502	25,941,795	16.04	1,617,319
2013	22,866,954.02	5,199,314	4,380,229	20,316,081	16.05	1,265,799
2014	1,722,539.16	320,277	269,821	1,590,521	16.06	99,036
2015	139,129,149.04	19,454,095	16,389,353	133,870,128	16.07	8,330,437
2016	1,134,039.40	99,965	84,217	1,140,546	16.09	70,885
2017	1,093,971.20	34,204	28,816	1,152,673	16.10	71,595
	277,188,781.51	88,003,235	74,139,461	225,224,423		14,124,142
GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1981	128,887,548.59	88,829,556	94,419,316	44,779,236	17.85	2,508,641
1982	4,323,370.79	2,950,540	3,136,208	1,533,032	17.90	85,644
1983	175,918.00	118,824	126,301	63,690	17.95	3,548
1984	9,724,031.69	6,497,769	6,906,653	3,595,301	18.00	199,739
1985	13,041.58	8,616	9,160	4,925	18.04	273
1986	5,003.81	3,267	3,473	1,932	18.09	107
1987	773,529.19	498,833	530,223	305,189	18.13	16,833
1989	51,742.00	32,478	34,522	21,360	18.21	1,173
1990	148,350.00	91,757	97,531	62,687	18.25	3,435
1994	124,286.66	71,816	76,335	57,894	18.39	3,148
1995	694,601.50	393,284	418,032	332,138	18.43	18,022
1996	328,272.00	181,943	193,392	161,142	18.46	8,729

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1997	1,620,817.00	878,077	933,332	817,151	18.49	44,194
1998	206,918.25	109,365	116,247	107,225	18.52	5,790
1999	5,607,517.20	2,887,012	3,068,682	2,987,436	18.54	161,135
2000	72,921.99	36,475	38,770	39,985	18.57	2,153
2002	602,894.00	282,393	300,163	350,962	18.62	18,849
2003	855,281.04	385,692	409,962	511,741	18.65	27,546
2004	70,682,706.81	30,583,785	32,508,325	43,828,998	18.67	2,347,563
2005	3,708,105.24	1,532,860	1,629,318	2,375,436	18.69	127,097
2006	1,083,127.40	425,343	452,108	717,669	18.71	38,358
2007	170,859.09	63,278	67,260	117,268	18.74	6,258
2008	7,849.41	2,721	2,892	5,585	18.76	298
2009	5,797,862.51	1,862,352	1,979,544	4,282,148	18.78	228,016
2010	3,722,211.44	1,094,080	1,162,927	2,857,061	18.80	151,971
2011	2,923,273.40	773,782	822,474	2,334,662	18.82	124,052
2012	5,638,318.74	1,315,733	1,398,528	4,690,856	18.83	249,116
2013	5,171,161.32	1,027,501	1,092,158	4,492,696	18.85	238,339
2014	170,490,781.71	27,477,727	29,206,813	154,923,232	18.87	8,210,028
2015	3,549,687.32	427,377	454,270	3,379,392	18.89	178,898
2016	2,668,331.09	201,294	213,961	2,667,837	18.91	141,081
2017	3,657,764.25	97,733	103,883	3,846,502	18.92	203,303
	433,488,085.02	171,143,265	181,912,764	286,254,368		15,353,337
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1984	123,326,066.27	80,882,266	67,698,210	65,493,942	18.82	3,480,018
1986	209,125.43	133,871	112,050	113,806	18.93	6,012
1987	110,311.00	69,725	58,360	60,776	18.97	3,204
1989	864,078.80	530,938	444,393	488,812	19.07	25,633
1990	160,162.29	96,951	81,148	91,828	19.11	4,805
1991	11,877.00	7,076	5,923	6,905	19.15	361
1992	91,017.00	53,310	44,620	53,678	19.19	2,797
1994	36,963.56	20,856	17,456	22,464	19.27	1,166
1995	1,910,485.07	1,056,442	884,239	1,179,085	19.30	61,092
1996	704,727.26	381,139	319,012	442,093	19.34	22,859
1998	7,924.00	4,083	3,417	5,140	19.40	265
1999	1,429,371.01	716,750	599,918	943,803	19.43	48,575



KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2000	42,052.00	20,471	17,134	28,282	19.46	1,453
2001	373,444.57	176,065	147,366	255,954	19.49	13,133
2002	813,279.13	370,186	309,845	568,497	19.52	29,124
2003	2,723,839.24	1,192,613	998,213	1,943,533	19.55	99,433
2004	53,538,230.21	22,482,073	18,817,427	39,003,862	19.57	1,993,044
2005	4,262,301.29	1,706,852	1,428,630	3,174,655	19.60	161,972
2006	12,983.46	4,936	4,131	9,891	19.62	504
2007	728,088.85	260,773	218,266	568,070	19.65	28,909
2008	247,594.72	82,978	69,452	197,950	19.67	10,064
2009	8,610,056.79	2,672,214	2,236,635	7,062,226	19.69	358,671
2010	3,558,896.46	1,007,986	843,681	2,999,927	19.72	152,126
2011	6,272,978.31	1,597,299	1,336,934	5,437,882	19.74	275,475
2012	50,601,919.19	11,333,332	9,485,964	45,164,108	19.76	2,285,633
2013	11,920,334.08	2,272,512	1,902,086	10,971,875	19.78	554,695
2014	456,159,644.01	70,380,324	58,908,117	433,744,299	19.80	21,906,278
2015	1,868,343.42	214,695	179,699	1,836,112	19.82	92,740
2016	12,762,644.96	920,610	770,548	13,013,109	19.84	655,903
2017	7,837,630.42	195,702	163,802	8,300,839	19.86	417,968
	751,196,369.80	200,845,028	168,106,676	643,185,403		32,693,892

GHENT UNIT 2 SCRUBBER  
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5  
PROBABLE RETIREMENT YEAR.. 6-2034  
NET SALVAGE PERCENT.. -8

1994	55,574,813.33	34,572,580	57,134,124	2,886,674	15.73	183,514
2001	57,800.67	30,621	50,604	11,821	15.87	745
2002	373,088.95	191,487	316,449	86,488	15.89	5,443
2003	244,482.98	121,243	200,364	63,677	15.90	4,005
2004	463,143.19	220,986	365,198	134,997	15.92	8,480
2006	13,411.72	5,842	9,654	4,830	15.95	303
2012	8,780,826.10	2,328,433	3,847,933	5,635,359	16.04	351,332
2013	297,276.90	67,593	111,703	209,356	16.05	13,044
2015	580,743.20	81,204	134,197	493,006	16.07	30,679
2016	41,434.95	3,652	6,035	38,715	16.09	2,406
2017	3,698,546.13	115,639	191,103	3,803,327	16.10	236,231
	70,125,568.12	37,739,280	62,367,365	13,368,249		836,182

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
2007	109,685,027.52	40,622,245	37,585,192	80,874,638	18.74	4,315,616
2011	6,848,600.71	1,812,805	1,677,274	5,719,215	18.82	303,890
2012	249,577.51	58,240	53,886	215,658	18.83	11,453
2013	222,658.95	44,242	40,934	199,537	18.85	10,586
2014	567,246.36	91,422	84,587	528,039	18.87	27,983
2015	221,002.85	26,608	24,619	214,064	18.89	11,332
2016	437,494.93	33,004	30,537	441,958	18.91	23,372
2017	1,096,322.41	29,293	27,103	1,156,925	18.92	61,148
	119,327,931.24	42,717,859	39,524,131	89,350,035		4,765,380
GHENT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2011	125,544.16	31,968	53,807	81,781	19.74	4,143
2012	251,732,171.56	56,380,555	94,897,318	176,973,428	19.76	8,956,145
2013	865,241.71	164,951	277,638	656,823	19.78	33,206
2014	435,675.38	67,220	113,142	357,388	19.80	18,050
2015	75,609.90	8,688	14,623	67,035	19.82	3,382
2016	153,720.92	11,088	18,663	147,356	19.84	7,427
2017	773,684.26	19,319	32,517	803,062	19.86	40,436
	254,161,647.89	56,683,789	95,407,708	179,086,872		9,062,789
	3,886,806,695.50	1,108,363,637	1,159,258,254	3,052,682,145		155,318,414
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						19.7 4.00

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2 INTERIM SURVIVOR CURVE.. IOWA 100-S4 PROBABLE RETIREMENT YEAR.. 12-2023 NET SALVAGE PERCENT.. 0						
1990	4,493,379.64	3,688,615	3,041,332	1,452,048	6.00	242,008
2011	4,610,665.23	2,397,546	1,976,821	2,633,844	6.00	438,974
	9,104,044.87	6,086,161	5,018,153	4,085,892		680,982
INTERIM SURVIVOR CURVE.. IOWA 100-S4 PROBABLE RETIREMENT YEAR.. 12-2019 NET SALVAGE PERCENT.. 0						
2005	170,126.36	146,661	170,126			
2007	172,621.19	145,002	172,621			
2008	8,648.65	7,145	8,648			
2009	224,059.52	181,381	224,060			
	575,455.72	480,189	575,456			
GREEN RIVER UNIT 3 INTERIM SURVIVOR CURVE.. IOWA 100-S4 PROBABLE RETIREMENT YEAR.. 12-2019 NET SALVAGE PERCENT.. 0						
1978	931,932.13	887,022	931,932			
1985	296.57	279	297			
1997	5,030.40	4,583	5,030			
2004	49,756.95	43,337	49,757			
2005	26,461.24	22,811	26,461			
2007	72,732.11	61,095	72,732			
2009	246,680.85	199,693	246,681			
2010	130,846.99	103,300	130,847			
2011	334,280.60	255,628	334,281			
2012	33,823.14	24,804	33,823			
	1,831,840.98	1,602,552	1,831,841			

KENTUCKY UTILITIES COMPANY

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PINEVILLE UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 100-84						
PROBABLE RETIREMENT YEAR.. 12-2019						
NET SALVAGE PERCENT.. 0						
1977	50,117.00	47,758	50,117			
1978	41,148.89	39,166	41,149			
	91,265.89	86,924	91,266			
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-84						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
1993	9,299,115.00	8,284,675	9,298,845	270	3.00	90
	9,299,115.00	8,284,675	9,298,845	270		90
BROWN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 100-84						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
1993	3,909,061.67	3,482,622	2,991,413	917,649	3.00	305,883
	3,909,061.67	3,482,622	2,991,413	917,649		305,883
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 100-84						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
2008	19,802,080.26	15,049,581	5,142,558	14,659,522	3.00	4,886,507
	19,802,080.26	15,049,581	5,142,558	14,659,522		4,886,507

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 100-84						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
1997	39,480.55	34,440	39,209	272	3.00	91
	39,480.55	34,440	39,209	272		91
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-84						
PROBABLE RETIREMENT YEAR.. 12-2022						
NET SALVAGE PERCENT.. 0						
1974	1,777,792.39	1,594,520	1,766,490	11,303	5.00	2,261
1987	322,828.55	277,356	307,271	15,557	5.00	3,111
	2,100,620.94	1,871,876	2,073,761	26,860		5,372
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 100-84						
PROBABLE RETIREMENT YEAR.. 12-2021						
NET SALVAGE PERCENT.. 0						
1994	16,544,368.68	14,137,990	7,607,181	6,937,188	4.00	2,234,297
2004	16,148,295.19	12,457,279	6,702,846	9,445,449	4.00	2,361,362
	32,692,663.87	26,595,269	14,310,027	18,382,637		4,595,659
GHENT UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 100-84						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
1994	1,901,133.18	1,685,906	1,901,133			
	1,901,133.18	1,685,906	1,901,133			
	81,346,762.93	65,260,197	43,273,662	38,073,102		10,474,584
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.6 12.88						

KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	10,495,573.59	4,820,496	6,572,140	5,287,858	34.07	155,206
2008	10,044,788.71	1,960,024	2,672,246	8,678,365	41.30	210,130
2011	63,452,777.33	8,865,908	12,087,550	59,614,088	42.17	1,413,661
2012	35,891.34	4,312	5,879	34,678	42.45	817
2014	2,395,609.34	189,303	258,091	2,448,948	42.96	57,005
2015	581,903.51	33,515	45,693	611,857	43.20	14,163
2016	2,364,803.69	82,866	112,977	2,559,251	43.44	58,915
2017	614,976.53	7,401	10,090	684,833	43.66	15,686
	89,986,324.04	15,963,825	21,764,667	79,919,879		1,925,583
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1956	3,209,637.23	3,328,217	3,402,215			
1959	14,882.13	15,418	15,775			
1968	5,774.91	5,966	6,121			
1985	11,462.31	11,709	12,150			
1996	32,671.87	32,810	34,632			
1997	17,942.90	17,974	19,019			
2001	103,385.99	102,250	109,589			
2004	163,261.40	159,155	173,057			
2009	467,034.49	435,110	495,057			
2010	0.03		0			
2012	1,851,245.33	1,616,029	1,962,320			
2013	77,712.20	65,286	82,375			
2014	262,052.93	207,885	277,776			
2015	5,133,151.02	3,701,771	5,120,672	320,468	1.17	273,904
2016	10,064.58	5,976	8,267	2,402	1.17	2,053
2017	20,639.88	6,458	8,933	12,945	1.17	11,064
	11,380,939.20	9,712,014	11,727,960	335,814		287,021

KENTUCKY UTILITIES COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1963	4,017,807.85	4,157,984	4,258,876			
1965	26,462.00	27,368	28,050			
1985	8,768.76	8,957	9,295			
1990	23,666.17	24,030	25,086			
1994	1,497,407.00	1,510,206	1,587,251			
1995	574,163.49	577,891	608,613			
1996	32,822.53	32,961	34,792			
1997	33,091.00	33,149	35,076			
2002	1,508,264.00	1,485,472	1,598,760			
2003	362,121.20	354,952	383,848			
2004	1,221,923.10	1,191,192	1,295,238			
2005	146,394.62	141,825	155,178			
2006	632,295.16	608,082	670,233			
2007	2,547.40	2,429	2,700			
2009	927,175.48	863,798	982,806			
2010	840,714.12	769,915	891,157			
2011	13,859.99	12,433	14,529	163	1.17	139
2012	364,931.03	318,564	372,266	14,561	1.17	12,445
2013	35,612.96	29,919	34,963	2,787	1.17	2,362
2014	1,106,284.24	877,608	1,025,550	147,111	1.17	125,736
2015	275,708.32	198,827	232,344	59,907	1.17	51,203
2017	51,040.14	15,970	18,662	35,440	1.17	30,291
	13,703,060.56	13,243,532	14,265,275	259,969		222,196
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1971	6,622,731.15	5,098,695	2,236,353	4,783,742	14.52	329,459
1973	2,376.00	1,805	792	1,727	14.76	117
1984	13,467.21	9,317	4,087	10,189	15.81	644
1993	6,448.62	3,956	1,735	5,100	16.38	311
1994	191,259.00	115,263	50,556	152,179	16.43	9,262
1995	421,519.00	249,293	109,343	337,467	16.48	20,477
1997	10,429,790.49	5,915,508	2,594,618	8,460,960	16.57	510,619
1998	297,088.00	164,605	72,198	242,715	16.61	14,613
1999	68,653.00	37,093	16,269	56,503	16.65	3,394
2003	61,008.77	29,060	12,746	51,923	16.80	3,091

KENTUCKY UTILITIES COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
2004	72,895.42	33,379	14,640	62,629	16.83	3,721
2005	4,204,448.97	1,840,668	807,341	3,649,375	16.87	216,323
2006	562,067.65	234,253	102,746	493,045	16.90	29,174
2008	781,074.49	289,017	126,767	701,172	16.95	41,367
2009	810,823.83	278,736	122,257	737,216	16.98	43,417
2011	407,184.46	116,010	50,883	380,732	17.03	22,357
2012	16,784,850.43	4,225,230	1,853,240	15,938,701	17.05	934,821
2013	60,585.16	13,012	5,707	58,513	17.08	3,426
2014	1,314,686.65	229,994	100,878	1,292,690	17.10	75,596
2015	1,346,993.07	176,835	77,562	1,350,251	17.12	78,870
2017	1,337,298.12	38,571	16,918	1,400,618	17.16	81,621
	45,787,248.49	19,100,300	8,377,637	40,167,447		2,422,680
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1974	13,697,463.09	10,679,698	11,629,895	3,163,366	14.19	222,929
1975	38,921.00	30,136	32,817	9,217	14.29	645
1976	156.00	120	131	38	14.38	3
1979	21,978.00	16,510	17,979	5,757	14.65	393
1980	3,163.50	2,357	2,567	850	14.73	58
1985	156,886.25	111,516	121,438	47,967	15.08	3,181
1989	252,974.07	171,621	186,891	86,321	15.32	5,635
1992	58,228.11	37,865	41,234	21,652	15.47	1,400
1994	1,803,234.05	1,134,648	1,235,600	711,893	15.56	45,751
1995	13,200.94	8,157	8,883	5,374	15.60	344
1996	32,637.46	19,771	21,530	13,718	15.65	877
2001	424,030.20	227,007	247,204	210,748	15.83	13,313
2002	162,462.00	84,250	91,746	83,713	15.86	5,278
2003	1,089,602.19	545,692	594,243	582,527	15.89	36,660
2004	1,385,035.03	667,248	726,615	769,223	15.92	48,318
2006	1,501,464.76	660,665	719,446	902,136	15.97	56,489
2008	11,574,683.26	4,531,614	4,934,802	7,565,856	16.02	472,276
2009	426,823.12	155,370	169,194	291,775	16.05	18,179
2011	3,073,590.83	930,815	1,013,632	2,305,846	16.09	143,309
2012	58,830.81	15,751	17,152	46,385	16.11	2,879
2013	355,249.66	81,491	88,741	294,928	16.13	18,284



KENTUCKY UTILITIES COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
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RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
2014	23,384.79	4,382	4,772	20,484	16.15	1,268
2015	2,428,504.79	341,434	371,812	2,250,973	16.17	139,207
2016	787,747.30	70,418	76,683	774,084	16.18	47,842
2017	957,520.21	30,362	33,063	1,001,058	16.20	61,794
	40,327,741.42	20,558,898	22,388,069	21,165,892		1,346,312
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1977	17,316,453.74	13,217,102	14,172,164	4,529,606	14.47	313,034
1978	4,313,274.00	3,266,751	3,502,805	1,155,531	14.56	79,363
1979	20,087.00	15,089	16,179	5,515	14.65	376
1980	2,264.00	1,687	1,809	636	14.73	43
1981	899.00	664	712	259	14.80	18
1985	128,384.83	91,274	97,869	40,786	15.08	2,705
1993	11,440.84	7,320	7,849	4,507	15.52	290
1996	2,506,918.63	1,518,594	1,628,327	1,079,145	15.65	68,955
1997	29,881.11	17,731	19,012	13,259	15.68	846
1998	64,136.87	37,204	39,892	29,375	15.72	1,869
1999	678,802.78	384,155	411,914	321,193	15.76	20,380
2002	137,999.16	71,564	76,735	72,304	15.86	4,559
2004	951,927.36	458,596	491,734	536,348	15.92	33,690
2005	458,645.99	211,653	226,947	268,391	15.95	16,827
2006	172,946.00	76,099	81,598	105,184	15.97	6,586
2009	2,195,130.77	799,058	856,798	1,513,944	16.05	94,327
2011	241,196.39	73,045	78,323	182,169	16.09	11,322
2012	902,565.37	241,646	259,107	715,663	16.11	44,424
2013	1,341,650.30	307,764	330,003	1,118,979	16.13	69,373
2014	115,704.20	21,679	23,246	101,715	16.15	6,298
2015	249,264.64	35,045	37,577	231,628	16.17	14,325
2016	348,992.43	31,197	33,451	343,461	16.18	21,228
2017	868,410.34	27,536	29,526	908,357	16.20	56,071
	33,056,975.75	20,912,453	22,423,578	13,277,956		666,909

KENTUCKY UTILITIES COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1981	23,715,442.13	16,658,229	19,422,957	6,189,720	17.04	363,246
1982	480,015.00	333,653	389,029	129,388	17.15	7,544
1983	29,912.17	20,573	23,987	8,318	17.25	482
1984	7,192,035.00	4,890,897	5,702,628	2,064,770	17.35	119,007
1985	156,856.24	105,443	122,943	46,462	17.44	2,664
1987	44,239.03	28,999	33,812	13,966	17.62	793
1995	2,196,292.70	1,262,258	1,471,752	900,244	18.15	49,491
1996	2,264.00	1,273	1,484	961	18.25	53
1999	60,118.00	31,389	36,599	28,329	18.41	1,539
2003	555,078.69	253,738	295,850	303,635	18.60	16,324
2004	943,602.66	413,934	482,634	536,457	18.64	28,780
2005	619,008.50	259,216	302,237	366,292	18.68	19,609
2006	365,407.85	145,311	169,428	225,213	18.72	12,031
2007	1,228,187.47	460,607	537,053	789,390	18.76	42,078
2009	1,824,052.27	593,554	692,065	1,277,912	18.83	67,866
2011	1,402,218.14	376,040	438,451	1,075,945	18.89	56,958
2012	1,314,528.73	310,202	361,686	1,058,006	18.92	55,920
2013	530,602.17	106,788	124,511	448,539	18.95	23,670
2014	152,425.65	24,884	29,014	135,606	18.98	7,145
2016	457,129.60	34,954	40,755	452,945	19.03	23,802
2017	589,956.17	15,648	18,245	618,908	19.06	32,472
	43,859,372.17	26,327,590	30,697,120	16,671,002		931,474
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1984	41,011,924.40	27,424,379	28,940,984	15,351,894	18.09	848,640
1985	236,810.00	156,402	165,051	90,704	18.20	4,984
1986	51,406.00	33,523	35,377	20,142	18.30	1,101
1987	65,193.00	41,963	44,284	26,125	18.39	1,421
1989	118,897.45	74,375	78,488	49,921	18.57	2,688
1991	21,490.58	13,021	13,741	9,469	18.74	505
1993	194,113.31	113,521	119,799	89,844	18.89	4,756
1994	321,113.00	184,207	194,394	152,408	18.96	8,038
1996	33,856.00	18,603	19,632	16,935	19.10	887
2000	676.00	334	352	378	19.34	20
2003	3,702,461.38	1,644,888	1,735,853	2,262,806	19.49	116,101

KENTUCKY UTILITIES COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2004	106,038.93	45,134	47,630	66,892	19.54	3,423
2005	951,102.73	386,460	407,832	619,359	19.58	31,632
2006	1,053,339.88	405,671	428,105	709,502	19.63	36,144
2007	391,047.02	141,966	149,817	272,514	19.67	13,854
2008	399,683.45	135,627	143,127	288,531	19.71	14,639
2009	1,462,218.47	459,293	484,693	1,094,503	19.75	55,418
2011	9,957.80	2,569	2,711	8,043	19.82	406
2012	3,951,908.24	895,762	946,354	3,321,707	19.85	167,340
2013	766,472.18	148,050	156,237	671,553	19.88	33,780
2014	2,164,941.54	338,328	357,038	1,981,099	19.92	99,453
2015	25,437.69	2,573	3,137	24,335	19.94	1,220
2016	146,534.85	10,712	11,304	146,953	19.97	7,359
2017	2,044,910.82	51,767	54,630	2,153,874	20.00	107,694
	59,231,536.72	32,730,528	34,540,570	29,429,490		1,561,503
	337,343,179.35	158,549,140	166,184,876	201,227,449		9,563,678
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 21.0						2.83

KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	9,229,511.61	4,221,487	4,594,015	5,835,334	39.94	146,103
2008	28,344.56	5,425	5,904	26,126	46.49	562
2011	34,193,435.89	4,695,361	5,109,706	33,528,877	46.99	713,532
2012	1,088,194.59	128,266	139,585	1,090,075	47.14	23,124
2013	159,449.60	15,630	17,009	163,169	47.27	3,452
2014	447,854.18	34,808	37,880	468,196	47.39	9,680
2015	228,635.93	12,918	14,058	244,301	47.50	5,143
2016	190,160.29	6,565	7,144	207,737	47.60	4,364
2017	53,968.16	632	688	60,296	47.70	1,264
	45,619,554.81	9,121,092	9,925,988	41,624,109		907,424
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	1,415,469.10	647,422	793,978	805,502	39.94	20,169
	1,415,469.10	647,422	793,978	805,502		20,168
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1956	965,068.08	1,003,219	1,022,972			
1958	96,451.16	100,214	102,238			
1963	780.00	809	827			
1965	63,901.00	66,234	67,735			
1968	2,135.00	2,210	2,263			
1979	58,759.52	60,451	62,285			
1989	1,850.00	1,883	1,961			
1992	1,344.04	1,362	1,425			
1995	1,428,056.08	1,438,824	1,513,739			
2001	68,330.19	67,632	72,430			
2006	767,016.47	737,897	813,037			
2009	166,049.72	154,717	175,013			
2010	19,084.61	17,500	20,230			
2011	53,830.80	48,357	57,061			

KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>BROWN UNIT 1</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
2014	79,740.42	63,348	84,525			
2015	433,058.83	312,700	447,066	11,977	1.17	10,237
2016	48,892.14	29,116	41,627	10,199	1.17	8,717
2017	66,975.99	21,256	30,390	40,605	1.17	34,705
	4,321,324.05	4,127,729	4,517,823	62,780		53,659
<b>BROWN UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1948	384.00	400	407			
1963	817,849.45	848,316	866,920			
1965	1,103.00	1,143	1,169			
1966	397.00	411	421			
1970	793.56	821	841			
1984	38,251.57	39,173	40,547			
1994	185,597.00	187,392	196,733			
1995	12,605.00	12,700	13,361			
1997	36,014.00	36,112	38,175			
1998	10,424.35	10,424	11,050			
2005	30,977.05	30,023	32,836			
2010	105,240.55	96,501	111,555			
2011	34,981.18	31,424	36,519	561	1.17	479
2012	1,109,729.78	969,976	1,127,258	49,055	1.17	41,927
2014	20,568.37	16,340	18,990	2,813	1.17	2,404
2016	11,513.95	6,857	7,969	4,236	1.17	3,621
	2,416,429.81	2,288,013	2,504,751	56,665		48,431
<b>BROWN UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1972	4,207,199.70	3,277,071	3,726,557	733,074	15.86	46,222
1973	69,444.66	53,701	61,067	12,545	15.98	785
1974	17,025.00	13,072	14,865	3,182	16.08	198
1984	4,045.00	2,839	3,228	1,059	16.89	63

KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1985	798.00	554	630	216	16.94	13
1988	8,408.74	5,629	6,401	2,512	17.08	147
1989	8,164.40	5,393	6,133	2,522	17.12	147
1990	9,591.76	6,246	7,103	3,065	17.16	179
1991	5,344.58	3,428	3,898	1,767	17.20	103
1997	778,846.00	446,538	507,786	317,791	17.35	18,316
2003	45,349.90	21,814	24,806	23,265	17.43	1,335
2004	18,213.04	8,417	9,571	9,734	17.44	558
2005	6,057.20	2,677	3,044	3,376	17.45	193
2007	1,652,556.67	657,434	747,608	1,004,102	17.46	57,509
2010	208,220.77	66,294	75,287	145,327	17.47	8,319
2011	163,301.43	46,868	53,296	119,803	17.48	6,854
2012	1,510,611.21	383,243	435,809	1,165,439	17.48	66,673
2013	14,410.13	3,127	3,556	11,719	17.48	670
2014	100,296.43	17,728	20,160	86,155	17.49	4,926
2015	131,881.19	17,483	19,881	119,913	17.49	6,856
2016	6,475,762.92	542,212	616,582	6,247,726	17.49	357,217
	15,435,528.73	5,581,768	6,347,369	10,014,291		577,283
BROWN UNITS 1, 2 AND 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
2013	29,308,888.08	6,360,433	6,736,338	24,331,083	17.48	1,391,938
2017	15,569.02	459	486	16,017	17.49	916
	29,324,457.10	6,360,892	6,736,824	24,347,101		1,392,854

KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1997	2,978,785.13	1,786,771	2,416,350	800,738	16.37	48,915
2011	5,833.85	1,782	2,410	3,891	16.48	236
2012	9,121,453.85	2,465,058	3,333,636	6,517,535	16.48	395,481
2016	117,306.68	10,564	14,286	112,405	16.49	6,817
	12,223,379.51	4,264,175	5,766,682	7,434,568		451,449
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1974	6,348,435.72	5,037,384	6,126,347	729,942	15.27	47,802
1978	869,693.72	669,398	814,106	125,163	15.61	8,018
1994	911,155.00	579,830	705,176	278,872	16.32	17,088
1995	70.00	44	54	22	16.34	1
1996	15,852.00	9,713	11,813	5,307	16.35	325
2000	14,398.00	8,018	9,751	5,799	16.41	353
2004	33,927.95	16,503	20,071	16,572	16.45	1,007
2005	160,601.93	74,799	90,969	82,481	16.46	5,011
2007	53,989.17	22,687	27,591	30,717	16.47	1,865
2009	84,877.13	31,168	37,906	53,762	16.48	3,262
2011	268,831.65	82,122	99,875	190,463	16.48	11,557
2012	178,069.98	48,123	58,526	133,790	16.48	8,118
2013	43,107.20	9,981	12,139	34,417	16.49	2,087
2014	33,762.45	6,384	7,764	28,699	16.49	1,740
2015	3,068,772.44	436,324	530,647	2,783,627	16.49	168,807
2016	127,767.94	11,506	13,993	123,996	16.49	7,519
2017	123,589.14	3,928	4,777	128,699	16.49	7,805
	12,336,881.42	7,047,912	8,571,504	4,752,328		292,365
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1977	9,794,204.35	7,599,684	8,911,497	1,666,243	15.53	107,292
1984	2,100,053.81	1,530,372	1,794,536	473,522	15.97	29,651
1989	42,801.92	29,415	34,492	11,734	16.18	725

KENTUCKY UTILITIES COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1996	44,978.99	27,560	32,317	16,260	16.35	994
1997	152,868.92	91,696	107,524	57,574	16.37	3,517
2007	95,312.10	40,052	46,966	55,972	16.47	3,398
2009	292,925.23	107,565	126,132	190,227	16.48	11,543
2010	60,449.95	20,400	23,921	41,365	16.48	2,510
2011	1,111,858.00	339,648	398,276	802,531	16.48	48,697
2012	34,908.72	9,434	11,062	26,639	16.48	1,616
2013	66,340.84	15,361	18,013	53,636	16.49	3,253
2014	81,708.97	15,451	18,118	70,128	16.49	4,253
2015	335,328.94	47,678	55,908	306,247	16.49	18,572
	14,213,740.74	9,874,316	11,578,763	3,772,077		236,021
GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1976	639,635.42	478,694	560,026	130,780	17.91	7,302
1981	25,047,721.92	17,875,116	20,912,172	6,139,368	18.43	333,118
1982	687,842.97	485,666	568,183	174,688	18.52	9,432
1984	95,821.00	66,138	77,375	26,112	18.68	1,398
1987	68,793.51	45,728	53,497	20,800	18.88	1,102
1988	18,279.36	11,984	14,020	5,722	18.94	302
2000	4,283,840.81	2,195,158	2,568,124	2,058,424	19.35	106,379
2007	51,757.15	19,591	22,920	32,978	19.44	1,696
2012	72,766.46	17,310	20,251	58,337	19.47	2,996
2013	10,609.78	2,146	2,511	8,948	19.48	459
2014	2,536,658.89	417,267	488,162	2,251,429	19.48	115,576
2015	32,239.52	3,960	4,633	30,186	19.48	1,550
2016	18,243.03	1,408	1,647	18,055	19.49	926
	33,564,209.82	21,620,166	25,293,521	10,955,826		582,236



KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1984	21,499,657.05	14,590,054	13,868,375	9,351,255	19.56	478,081
1985	48,287.00	32,362	30,761	21,389	19.64	1,089
1988	20,564.21	13,231	12,577	9,633	19.85	485
1991	5,683.09	3,487	3,315	2,823	20.02	141
1993	155,202.00	91,853	87,310	80,309	20.11	3,993
1994	24,278.82	14,089	13,392	12,829	20.15	637
2000	2,476,120.09	1,235,565	1,174,449	1,499,760	20.33	73,771
2003	42,697.44	19,155	18,208	27,906	20.38	1,369
2011	27,699.80	7,213	6,856	23,060	20.46	1,127
2013	13,232.05	2,575	2,448	11,843	20.47	579
2014	23,100,966.21	3,632,581	3,452,900	21,496,144	20.48	1,049,616
2015	212,920.54	25,017	23,780	206,175	20.48	10,067
2016	230,240.27	16,969	16,130	232,530	20.48	11,354
2017	4,327,248.64	111,321	105,815	4,567,614	20.49	222,919
	52,184,797.21	19,795,472	18,816,313	37,543,268		1,855,228
GHENT UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
2011	5,833.85	1,782	1,863	4,438	16.48	269
2012	890,617.40	240,688	251,596	710,271	16.48	43,099
2013	54,747.62	12,676	13,250	45,877	16.49	2,782
	951,198.87	255,146	266,709	760,586		46,150
GHENT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
2007	11,277,366.96	4,268,691	4,228,585	7,950,972	19.44	409,001
2011	764,631.32	206,450	204,510	621,292	19.47	31,910
	12,041,998.28	4,475,141	4,433,095	8,572,263		440,911

KENTUCKY UTILITIES COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2011	5,833.83	1,519	1,528	4,773	20.46	233
2012	15,142,207.72	3,458,456	3,478,820	12,874,764	20.47	628,958
	15,148,041.55	3,459,975	3,480,348	12,879,537		629,191
	251,197,011.00	98,919,219	109,033,668	163,580,901		7,533,370
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						21.7 3.00

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
2000	41,467.41	12,325	15,767	31,091	41.89	742
2002	26,900.64	7,289	9,325	21,073	42.23	499
2011	4,522,589.85	594,354	760,346	4,350,181	43.54	99,912
2012	203,432.33	23,020	29,449	200,429	43.67	4,590
2013	838,229.79	79,101	101,192	846,007	43.79	19,320
2014	831,413.70	62,138	79,492	860,006	43.91	19,586
2015	130,793.56	7,125	9,115	138,682	44.03	3,150
2016	125,813.18	4,188	5,358	136,811	44.14	3,099
2017	282,062.33	3,210	4,106	314,624	44.25	7,110
	7,002,702.79	792,750	1,014,150	6,898,904		158,008

SYSTEM LABORATORY  
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5  
PROBABLE RETIREMENT YEAR.. 6-2040  
NET SALVAGE PERCENT.. 0

1983	229.68	136	126	103	20.68	5
1984	10,283.72	6,021	5,597	4,686	20.73	226
1986	48,397.00	27,624	25,680	22,717	20.83	1,091
1987	100,806.00	56,754	52,760	48,046	20.88	2,301
1989	3,576.00	1,955	1,817	1,759	20.97	84
1990	22,201.79	11,945	11,104	11,098	21.01	528
1991	72,843.39	38,540	35,827	37,016	21.05	1,758
1994	4,476.87	2,237	2,080	2,397	21.17	113
1995	3,198.74	1,565	1,455	1,744	21.20	82
1996	5,552.69	2,654	2,467	3,085	21.24	145
1997	47,150.16	21,996	20,448	26,702	21.27	1,255
1998	67,015.37	30,435	28,293	38,722	21.31	1,817
1999	62,975.53	27,795	25,839	37,137	21.34	1,740
2000	730.00	312	290	440	21.37	21
2002	276,203.04	110,296	102,533	173,670	21.42	8,108
2003	632,334.03	242,576	225,503	406,831	21.45	18,966
2004	199,235.39	73,140	67,992	131,233	21.48	6,110
2005	131,911.92	46,111	42,866	89,046	21.51	4,140
2006	31,404.52	10,400	9,568	21,736	21.53	1,010
2007	89,149.53	27,761	25,807	63,342	21.56	2,938
2009	226,404.22	60,855	56,572	169,832	21.60	7,863
2010	90,044.40	22,039	20,488	69,557	21.63	3,216
2011	250,794.23	55,059	51,184	199,610	21.65	9,220

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SYSTEM LABORATORY						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2040						
NET SALVAGE PERCENT.. 0						
2012	175,216.25	33,750	31,375	143,842	21.67	6,638
2013	161,221.62	26,363	24,508	136,714	21.69	6,303
2014	325,883.54	43,000	39,974	285,910	21.71	13,170
2015	38,318.47	3,768	3,503	34,816	21.73	1,602
2016	152,643.59	9,356	8,697	143,946	21.75	6,618
2017	458,721.29	9,895	9,199	449,523	21.77	20,649
	3,688,912.98	1,004,338	933,650	2,755,263		127,717

BROWN UNIT 1

INTERIM SURVIVOR CURVE.. IOWA 75-R1.5

PROBABLE RETIREMENT YEAR.. 2-2019

NET SALVAGE PERCENT.. -6

1954	7,308.72	7,587	7,747			
1955	921.00	956	976			
1956	96,637.48	100,262	102,436			
1971	671.82	693	712			
1988	1,387.17	1,412	1,470			
1990	18,405.00	18,685	19,509			
1992	7,705.00	7,797	8,167			
1994	9,227.37	9,304	9,781			
1995	1,940.96	1,953	2,057			
1996	2,858.88	2,870	3,030			
2001	64,870.51	64,136	68,763			
2003	118,172.07	115,790	125,262			
2005	13,393.06	12,969	14,197			
2007	497.91	474	528			
2011	8,037.82	7,218	8,073	447	1.16	385
2014	37,649.44	29,931	33,475	6,433	1.16	5,546
	389,684.21	382,037	406,185	6,880		5,931

BROWN UNIT 2

INTERIM SURVIVOR CURVE.. IOWA 75-R1.5

PROBABLE RETIREMENT YEAR.. 2-2019

NET SALVAGE PERCENT.. -6

1963	59,546.28	61,648	63,119			
1965	541.89	561	574			

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>BROWN UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1968	520.36	538	552			
1969	4,400.82	4,545	4,665			
1970	555.08	573	588			
1995	3,998.73	4,024	4,239			
1996	2,858.69	2,870	3,030			
1998	5,685.52	5,678	6,027			
2000	3,709.49	3,681	3,932			
2007	21,010.50	20,023	22,271			
2012	20,279.74	17,724	21,417	80	1.16	69
	123,107.10	121,865	130,414	80		69
<b>BROWN UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1969	55,586.77	42,450	46,375	12,547	15.89	790
1970	2,634.00	2,000	2,185	607	15.94	38
1971	373,932.83	282,274	308,376	87,993	15.99	5,503
1972	6,479.06	4,852	5,312	1,556	16.03	97
1973	960.00	716	782	235	16.08	15
1974	3,179.00	2,355	2,573	797	16.12	49
1976	2,020.00	1,476	1,612	529	16.20	33
1977	39,153.91	28,403	31,029	10,474	16.24	645
1978	1,537.00	1,106	1,208	421	16.28	26
1980	769.95	545	595	221	16.35	14
1981	7,296.00	5,123	5,597	2,137	16.38	130
1982	1.31	1	1			
1983	52,115.16	35,916	39,237	16,005	16.45	973
1984	7,364.85	5,026	5,491	2,316	16.48	141
1985	14,815.00	10,003	10,928	4,776	16.51	289
1986	146,238.43	97,689	106,722	48,290	16.53	2,921
1987	219,381.67	144,843	158,237	74,308	16.56	4,487
1988	129,942.03	84,745	92,581	45,157	16.59	2,722
1989	210,175.64	135,345	147,860	74,926	16.61	4,511
1990	326,586.15	207,389	226,565	119,583	16.64	7,186
1991	378,859.70	237,164	259,095	142,497	16.66	8,553
1992	143,407.00	88,416	96,592	58,420	16.68	3,323
1993	213,117.96	129,213	141,161	84,744	16.71	5,071

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1994	243,236.46	144,911	158,311	99,520	16.73	5,949
1995	378,604.30	221,392	241,864	159,456	16.75	9,520
1996	132,026.00	75,665	82,662	57,286	16.77	3,416
1997	113,295.86	63,549	69,425	50,668	16.79	3,018
1998	16,759.09	9,183	10,032	7,732	16.81	460
1999	78,147.46	41,784	45,648	37,189	16.82	2,211
2000	12,638.00	6,575	7,183	6,213	16.84	369
2001	61,005.75	30,796	33,644	31,022	16.86	1,840
2003	211,552.31	99,780	109,007	115,239	16.89	6,823
2004	87,825.06	39,804	43,485	49,610	16.91	2,934
2005	126,190.46	54,738	59,800	73,962	16.92	4,371
2006	93,259.29	38,487	42,046	56,809	16.94	3,354
2007	109,967.17	42,952	46,924	69,641	16.95	4,109
2008	76,267.72	27,936	30,519	50,325	16.97	2,966
2009	25,225.68	8,585	9,379	17,360	16.98	1,022
2010	510,629.45	159,685	174,451	366,816	16.99	21,590
2011	184,777.66	52,072	56,887	138,977	17.01	8,170
2012	256,120.18	63,816	69,717	201,770	17.02	11,855
2013	319,773.21	68,205	74,512	264,448	17.03	15,528
2014	312,463.22	54,282	59,301	271,910	17.04	15,957
2015	417,186.02	54,340	59,365	382,852	17.06	22,442
2016	191,888.31	15,723	17,177	186,225	17.07	10,909
2017	189,493.25	5,490	5,998	194,865	17.08	11,409
	6,483,855.33	2,926,810	3,197,454	3,675,433		217,739

GHENT UNIT 1 SCRUBBER

INTERIM SURVIVOR CURVE.. IOWA 75-R1.5

PROBABLE RETIREMENT YEAR.. 6-2034

NET SALVAGE PERCENT.. -8

1997	911,941.17	535,754	875,267	109,629	15.87	6,908
2000	2,454.00	1,340	2,189	461	15.92	29
2011	47,617.08	14,307	23,374	28,053	16.06	1,747
	962,012.25	551,401	900,830	138,143		8,684

KENTUCKY UTILITIES COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1974	1,024,130.37	786,277	1,059,220	46,840	15.28	3,065
1975	72,980.65	55,669	74,994	3,826	15.32	250
1976	12,253.24	9,285	12,508	725	15.35	47
1978	6,426.72	4,801	6,468	473	15.42	31
1983	4,043.88	2,897	3,903	465	15.57	30
1988	74,936.00	50,907	68,579	12,352	15.70	787
1989	2,178.22	1,462	1,970	383	15.72	24
1990	137,000.67	90,725	122,219	25,742	15.74	1,635
1994	52,592.00	32,748	44,116	12,683	15.82	802
1995	11,112.00	6,794	9,152	2,849	15.84	180
1996	153,652.05	92,185	124,186	41,759	15.85	2,635
1997	18,479.01	10,856	14,624	5,333	15.87	336
1998	2,709.00	1,556	2,096	830	15.89	52
1999	79,194.16	44,407	59,822	25,708	15.90	1,617
2000	2,880.81	1,573	2,119	992	15.92	62
2004	42,569.91	20,323	27,378	18,598	15.98	1,164
2006	30,770.07	13,421	18,080	15,152	16.00	947
2007	7,433.84	3,068	4,133	3,896	16.02	243
2013	68,502.65	15,573	20,979	53,004	16.09	3,294
2015	42,125.60	5,878	7,918	37,577	16.11	2,333
	1,845,970.85	1,250,405	1,684,463	309,186		19,534

GHENT UNIT 2  
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5  
PROBABLE RETIREMENT YEAR.. 6-2034  
NET SALVAGE PERCENT.. -8

1976	97,461.37	73,854	97,113	8,145	15.35	531
1977	661,648.39	497,798	654,571	60,010	15.39	3,899
1978	591,177.00	441,605	580,681	57,790	15.42	3,748
1985	6,645.13	4,669	6,139	1,037	15.62	66
1989	51,128.40	34,307	45,111	10,107	15.72	643
1990	7,692.02	5,094	6,698	1,609	15.74	102
1991	6,857.97	4,479	5,890	1,517	15.76	96
1992	50,988.28	32,809	43,142	11,926	15.78	756
2006	15,073.78	6,575	8,646	7,634	16.00	477
2007	7,433.84	3,068	4,034	3,994	16.02	249

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>GHEMT UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
2013	17,365.58	3,948	5,191	13,563	16.09	843
2014	9,654.04	1,796	2,362	8,066	16.10	501
2017	30,383.39	948	1,247	31,568	16.13	1,957
	1,553,509.99	1,110,950	1,460,824	216,967		13,868
<b>GHEMT UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1981	2,113,307.83	1,456,770	1,776,456	505,916	18.09	27,967
1982	219,540.39	149,857	182,743	54,361	18.13	2,998
1983	7,536.34	5,092	6,209	1,930	18.17	106
1984	599,875.00	400,951	488,939	158,926	18.21	8,727
1987	14,126.58	9,115	11,115	4,141	18.31	226
1988	8,279.00	5,271	6,428	2,514	18.35	137
1993	31,841.79	18,754	22,870	11,520	18.50	623
1994	1,429.72	826	1,007	537	18.53	29
2004	70,857.65	30,699	37,436	39,090	18.75	2,085
2007	56,110.00	20,799	25,363	35,235	18.81	1,873
2013	8,682.80	1,724	2,102	7,275	18.91	385
2014	824,923.38	133,335	162,595	728,322	18.92	38,495
2016	70,989.53	5,380	6,561	70,108	18.95	3,700
	4,027,500.01	2,238,573	2,729,825	1,619,875		87,351
<b>GHEMT UNIT 4</b>						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1984	1,551,008.56	1,017,198	995,081	680,008	19.06	35,677
1985	75,061.39	48,660	47,602	33,464	19.10	1,752
1986	68,833.86	44,079	43,121	31,220	19.14	1,631
1987	194,430.24	122,923	120,250	89,734	19.18	4,679
1988	240,695.56	150,096	146,832	113,119	19.22	5,885
1989	281,911.30	173,347	169,578	134,886	19.25	7,007
1990	241,531.51	146,258	143,078	117,776	19.29	6,106
1991	236,117.05	140,751	137,691	117,316	19.32	6,072



KENTUCKY UTILITIES COMPANY  
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RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1992	186,806.00	109,504	107,123	94,627	19.35	4,890
1993	119,556.00	68,837	67,340	61,780	19.38	3,188
1994	89,879.11	50,765	49,661	47,408	19.41	2,442
1995	403,518.00	223,312	218,456	217,343	19.44	11,180
1996	153,670.60	83,195	81,386	84,578	19.47	4,344
1997	261,371.59	138,185	135,180	147,101	19.50	7,544
1998	36,015.00	18,574	18,170	20,726	19.52	1,062
1999	626,250.00	314,185	307,354	368,996	19.55	18,874
2000	69,931.00	34,078	33,337	42,188	19.57	2,156
2003	274,884.03	120,564	117,943	178,932	19.64	9,111
2004	259,074.19	108,825	106,459	173,341	19.67	8,812
2005	117,203.33	46,977	45,956	80,624	19.69	4,095
2006	15,073.78	5,735	5,610	10,669	19.71	541
2007	167,940.61	60,233	58,923	122,453	19.73	6,206
2008	38,302.23	12,841	12,562	28,805	19.75	1,458
2009	38,451.83	11,931	11,672	29,856	19.77	1,510
2010	820,549.05	232,776	227,715	658,478	19.79	33,273
2011	521,855.44	133,022	130,130	433,474	19.81	21,882
2012	694,925.41	155,748	152,362	598,158	19.82	30,180
2013	65,548.30	12,513	12,241	58,551	19.84	2,951
2014	109,379.77	16,876	16,509	101,621	19.86	5,117
2015	803,237.38	92,796	90,778	776,718	19.87	39,090
2016	381,116.80	27,606	27,006	384,600	19.89	19,336
2017	854,931.81	21,292	20,829	902,497	19.91	45,329
	9,999,060.73	3,943,682	3,857,934	6,941,052		353,380
	36,076,316.24	14,322,811	16,315,729	22,561,783		992,281
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 22.7						2.75

**LOUISVILLE GAS AND ELECTRIC COMPANY**  
LOUISVILLE, KENTUCKY

**2017 DEPRECIATION STUDY**

CALCULATED ANNUAL DEPRECIATION  
ACCRUALS RELATED TO STEAM GENERATION  
PLANT AS OF DECEMBER 31, 2017

Prepared by:



*Excellence Delivered As Promised*

LOUISVILLE GAS AND ELECTRIC COMPANY  
Louisville, Kentucky

2017 DEPRECIATION STUDY  
CALCULATED ANNUAL DEPRECIATION  
ACCRUALS RELATED TO STEAM GENERATION  
PLANT AS OF DECEMBER 31, 2017

GANNETT FLEMING VALUATION AND RATE CONSULTANTS, LLC  
Harrisburg, Pennsylvania

August 8, 2018

Louisville Gas and Electric Company  
220 West Main Street, Suite 1400  
Louisville, KY 40202-1345

Attention \_\_\_\_\_

Ladies and Gentlemen:

Pursuant to your request, we have conducted a depreciation study related to the steam generation plant of Louisville Gas and Electric Company as of December 31, 2017. The attached report presents a description of the methods used in the estimation of depreciation, the summary of annual depreciation accrual rates, the statistical support for the life and net salvage estimates and the detailed tabulations of annual depreciation.

Respectfully submitted,

GANNETT FLEMING VALUATION  
AND RATE CONSULTANTS, LLC

JOHN J. SPANOS  
Sr. Vice President

JJS:mle  
063789.200

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**LOUISVILLE GAS AND ELECTRIC COMPANY**

**DEPRECIATION STUDY**

**EXECUTIVE SUMMARY**

Pursuant to Louisville Gas and Electric Company's ("LGE" or "Company") request, Gannett Fleming Valuation and Rate Consultants, LLC ("Gannett Fleming") conducted a depreciation study related to the steam generation plant as of December 31, 2017. The purpose of this study was to determine the annual depreciation accrual rates and amounts for book and ratemaking purposes.

The depreciation rates are based on the straight line method using the average service life ("ASL") procedure and were applied on a remaining life basis. The calculations were based on attained ages and estimated average service life, and forecasted net salvage characteristics for each depreciable group of assets.

LGE's accounting policy has not changed since the last depreciation study was prepared. However, there have been significant changes in past and future retirement plans of assets. These changes have caused the proposed remaining lives for many accounts to fluctuate from those proposed in the previous depreciation study as of December 31, 2015.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to steam generation plant in service as of December 31, 2017 as summarized by Table 1 of the study. Supporting analysis and calculations are provided within the study.

The study results set forth an annual depreciation expense of \$114.2 million when applied to depreciable plant balances as of December 31, 2017.

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**PART I. INTRODUCTION**



**LOUISVILLE GAS AND ELECTRIC COMPANY  
DEPRECIATION STUDY**

**PART I. INTRODUCTION**

**SCOPE**

This report sets forth the results of the depreciation study for Louisville Gas and Electric Company ("Company"), as applied to specific steam generation plant in service as of December 31, 2017. The rates and amounts are based on the straight line remaining life method of depreciation. This report also describes the concepts, methods and judgments which underlie the recommended annual depreciation accrual rates related to current electric plant in service.

The service life and net salvage estimates resulting from the study were based on informed judgment which incorporated analyses of historical plant retirement data as recorded through 2017, the net salvage analyses of historical plant retirement data recorded through 2017, a review of Company practice and outlook as they relate to plant operation and retirement, and consideration of current practice in the electric industry, including knowledge of service lives and net salvage estimates used for other electric companies.

**PLAN OF REPORT**

Part I, Introduction, contains statements with respect to the plan of the report, and the basis of the study. Part II, Estimation of Survivor Curves, presents descriptions of the considerations and the methods used in the service life study. Part III, Service Life Considerations, presents the factors and judgment utilized in the average service life analysis. Part IV, Net Salvage Considerations, presents the judgment utilized for the net salvage study. Part V, Calculation of Annual and Accrued Depreciation, describes the procedures used in the calculation of group depreciation. Part VI, Results

of Study, presents a summary by depreciable group of annual depreciation accrual rates and amounts, as well as composite remaining lives. Part VII, Service Life Statistics presents the statistical analysis of service life estimates, Part VIII, Net Salvage Statistics sets forth the statistical indications of net salvage percents, and Part IX, Detailed Depreciation Calculations presents the detailed tabulations of annual depreciation.

#### **BASIS OF THE STUDY**

##### **Depreciation**

Depreciation, in public utility regulation, is the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of utility plant in the course of service from causes which are known to be in current operation and against which the utility is not protected by insurance. Among causes to be given consideration are wear and tear, deterioration, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and the requirements of public authorities.

Depreciation, as used in accounting, is a method of distributing fixed capital costs, less net salvage, over a period of time by allocating annual amounts to expense. Each annual amount of such depreciation expense is part of that year's total cost of providing electric and gas utility service. Normally, the period of time over which the fixed capital cost is allocated to the cost of service is equal to the period of time over which an item renders service, that is, the item's service life. The most prevalent method of allocation is to distribute an equal amount of cost to each year of service life. This method is known as the straight-line method of depreciation.

For all accounts, the annual depreciation was calculated by the straight line method using the average service life procedure and the remaining life basis. The calculated remaining lives and annual depreciation accrual rates were based on attained

ages of plant in service and the estimated service life and salvage characteristics of each depreciable group.

The straight line method, average service life procedure is a commonly used depreciation calculation procedure that has been widely accepted in jurisdictions throughout North America. Gannett Fleming recommends its continued use.

**Service Life and Net Salvage Estimates**

The service life and net salvage estimates used in the depreciation calculations were based on informed judgment which incorporated a review of management's plans, policies and outlook, a general knowledge of the electric utility industry, and comparisons of the service life and net salvage estimates from our studies of other electric utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for utility property. Iowa type survivor curves were used to depict the estimated survivor curves for the plant accounts. For steam production plants, the life span technique was used. In this technique, the date of final retirement was estimated for each unit, and the estimated survivor curves applied to each vintage were truncated at ages coinciding with the date of final retirement.

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data analyses and the probable future. The combination of the historical experience and the estimated future yielded estimated survivor curves from which the average service lives were derived.

The estimates of net salvage by account incorporated a review of experienced

costs of removal and salvage related to plant retirements, and consideration of trends exhibited by the historical data. Each component of net salvage, i.e., cost of removal and salvage, was stated in dollars and as a percent of retirement.

An understanding of the function of the plant and information with respect to the reasons for past retirements and the expected causes of future retirements was obtained through discussions with operating and management personnel. The supplemental information obtained in this manner was considered in the interpretation and extrapolation of the statistical analyses.

---

**PART II. ESTIMATION OF SURVIVOR CURVES**

## **PART II. ESTIMATION OF SURVIVOR CURVES**

The calculation of annual depreciation based on the straight line method requires the estimation of survivor curves and the selection of group depreciation procedures. The estimation of survivor curves is discussed below and the development of net salvage is discussed in later sections of this report.

### **SURVIVOR CURVES**

The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units, or by constructing a survivor curve by plotting the number of units which survive at successive ages.

The survivor curve graphically depicts the amount of property existing at each age throughout the life of an original group. From the survivor curve, the average life of the group, the remaining life expectancy, the probable life, and the frequency curve can be calculated. In Figure 1, a typical smooth survivor curve and the derived curves are illustrated. The average life is obtained by calculating the area under the survivor curve, from age zero to the maximum age, and dividing this area by the ordinate at age zero. The remaining life expectancy at any age can be calculated by obtaining the area under the curve, from the observation age to the maximum age, and dividing this area by the percent surviving at the observation age. For example, in Figure 1, the remaining life at age 30 is equal to the crosshatched area under the survivor curve divided by 29.5 percent surviving at age 30. The probable life at any age is developed by adding the age and remaining life. If the probable life of the property is calculated for each year of age, the probable life curve shown in the chart can be developed. The frequency curve presents the number of units retired in each age interval. It is derived by obtaining the differences between the amount of property surviving at the beginning and at the end of each interval.

This study has incorporated the use of Iowa curves developed from a retirement rate analysis of historical retirement history. A discussion of the concepts of survivor curves and of the development of survivor curves using the retirement rate method is presented below.

**Iowa Type Curves**

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. There are four families in the Iowa system, labeled in accordance with the location of the modes of the retirements in relationship to the average life and the relative height of the modes. The left moded curves, presented in Figure 2, are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical moded curves, presented in Figure 3, are those in which the greatest frequency of retirement occurs at average service life. The right moded curves, presented in Figure 4, are those in which the greatest frequency occurs to the right of, or after, average service life. The origin moded curves, presented in Figure 5, are those in which the greatest frequency of retirement occurs at the origin, or immediately after age zero. The letter designation of each family of curves (L, S, R or O) represents the location of the mode of the associated frequency curve with respect to the average service life. The numbers represent the relative heights of the modes of the frequency curves within each family.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves, which constitute three of the four families, was published in 1935 in the form of the Experiment

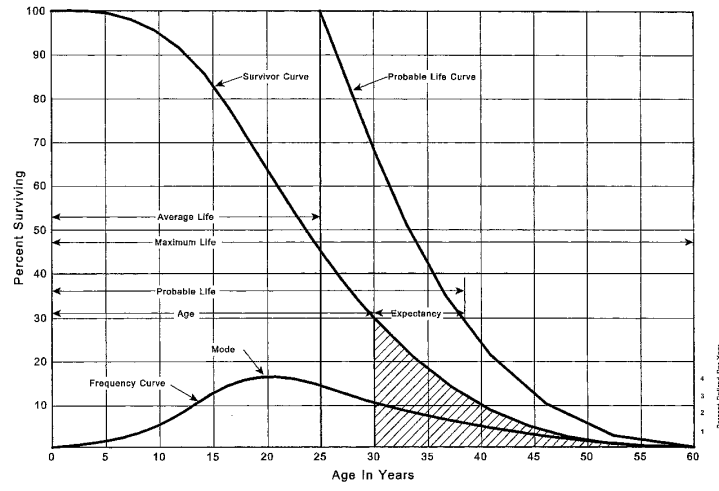


Figure 1. A Typical Survivor Curve and Derived Curves



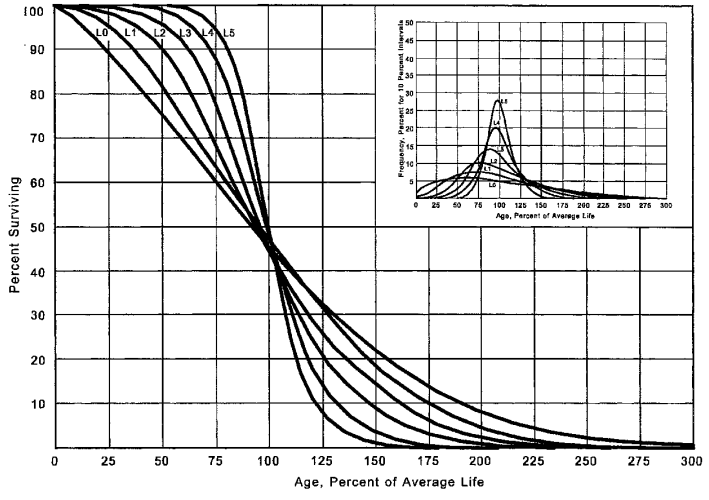


Figure 2. Left Modal or "L" Iowa Type Survivor Curves

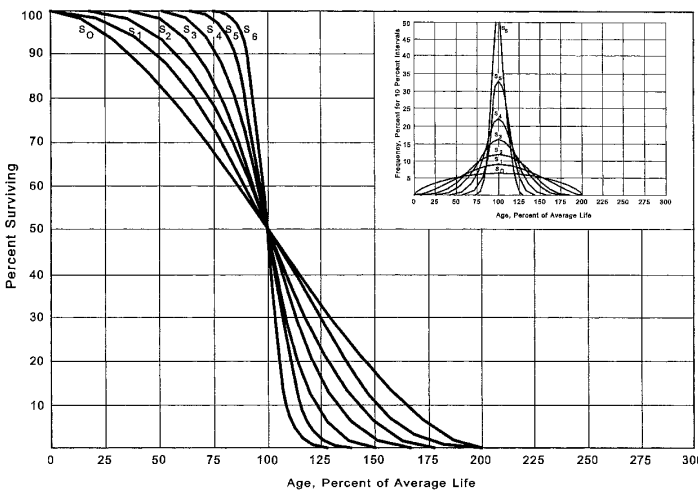


Figure 3. Symmetrical or "S" Iowa Type Survivor Curves

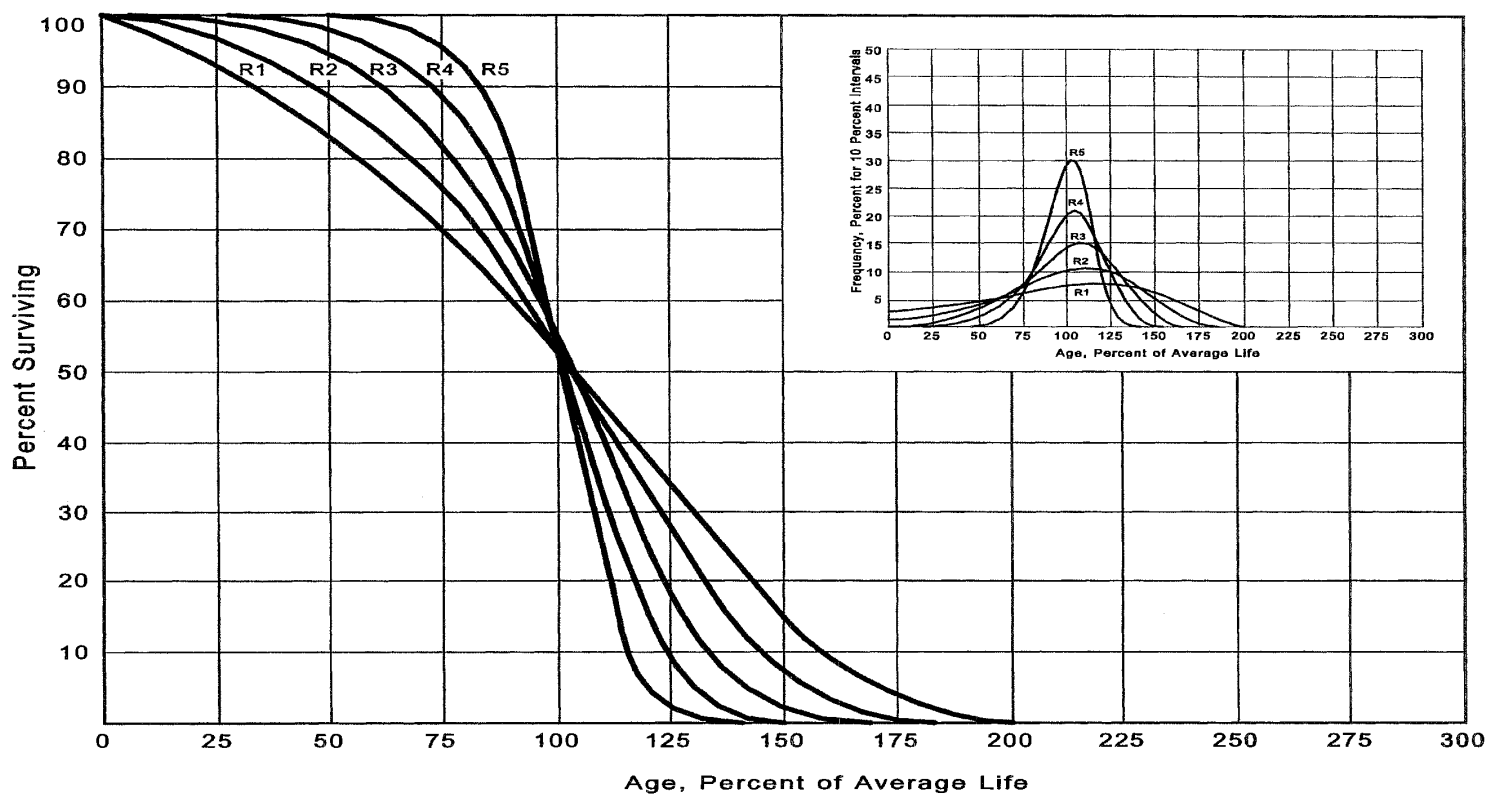


Figure 4. Right Modal or "R" Iowa Type Survivor Curves

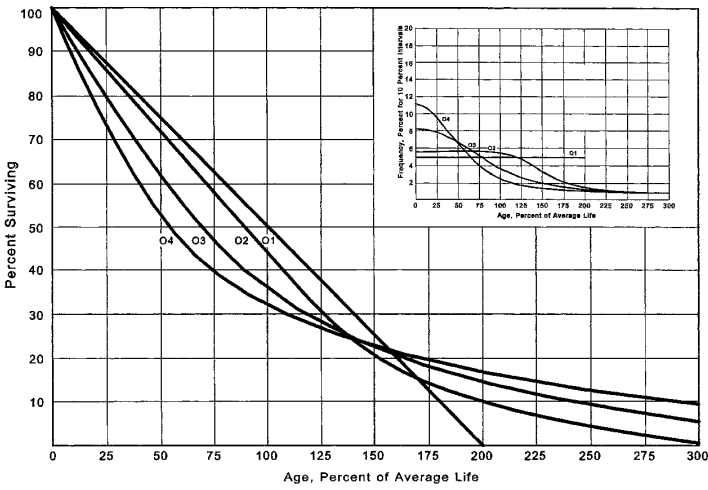


Figure 5. Origin Modal or "O" Iowa Type Survivor Curves

Station's Bulletin 125. These curve types have also been presented in subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation."<sup>1</sup> In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student submitted a thesis presenting his development of the fourth family consisting of the four O type survivor curves.

**Retirement Rate Method of Analysis**

The retirement rate method is an actuarial method of deriving survivor curves using the average rates at which property of each age group is retired. The method relates to property groups for which aged accounting experience is available and is the method used to develop the original stub survivor curves in this study. The method (also known as the annual rate method) is illustrated through the use of an example in the following text, and is also explained in several publications, including "Statistical Analyses of Industrial Property Retirements"<sup>2</sup>, "Engineering Valuation and Depreciation,"<sup>3</sup> and "Depreciation Systems."<sup>4</sup>

The average rate of retirement used in the calculation of the percent surviving for the survivor curve (life table) requires two sets of data: first, the property retired during a period of observation, identified by the property's age at retirement; and second, the property exposed to retirement at the beginning of the age intervals during the same period. The period of observation is referred to as the experience band, and the band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows.

<sup>1</sup>Marston, Anson, Robley Winfrey and Jean C. Hempstead. Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company. 1953.

<sup>2</sup>Winfrey, Robley, Statistical Analyses of Industrial Property Retirements. Iowa State College Engineering Experiment Station, Bulletin 125. 1935.

<sup>3</sup>Marston, Anson, Robley Winfrey, and Jean C. Hempstead. *Supra* Note 1.

<sup>4</sup>Wolf, Frank K. and W. Chester Fitch. Depreciation Systems. Iowa State University Press. 1994.

The example includes schedules of annual aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

**Schedules of Annual Transactions in Plant Records**

The property group used to illustrate the retirement rate method is observed for the experience band 2008-2017 during which there were placements during the years 2003-2017. In order to illustrate the summation of the aged data by age interval, the data was compiled in the manner presented in Schedules 1 and 2 on pages II-11 and II-12. In Schedule 1, the year of installation (year placed) and the year of retirement are shown. The age interval during which a retirement occurred is determined from this information. In the example which follows, \$10,000 of the dollars invested in 2003 were retired in 2008. The \$10,000 retirement occurred during the age interval between 4½ and 5½ years on the basis that approximately one-half of the amount of property was installed prior to and subsequent to July 1 of each year. That is, on the average, property installed during a year is placed in service at the midpoint of the year for the purpose of the analysis. All retirements also are stated as occurring at the midpoint of a one-year age interval of time, except the first age interval which encompasses only one-half year.

The total retirements occurring in each age interval in a band are determined by summing the amounts for each transaction year-installation year combination for that age interval. For example, the total of \$143,000 retired for age interval 4½ - 5½ is the sum of the retirements entered on Schedule 1 immediately above the stair step line drawn on the table beginning with the 2008 retirements of 2003 installations and ending with the 2017 retirements of the 2012 installations. Thus, the total amount of 143 for age interval 4½ - 5½ equals the sum of:

$$10 + 12 + 13 + 11 + 13 + 13 + 15 + 17 + 19 + 20.$$

SCHEDULE 1. RETIREMENTS FOR EACH YEAR 2008-2017  
 SUMMARIZED BY AGE INTERVAL

Year Placed (1)	Retirements, Thousands of Dollars During Year										Total During Age Interval (12)	Age Interval (13)
	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)		
2003	10	11	12	13	14	16	23	24	25	26	26	13½-14½
2004	11	12	13	15	16	18	20	21	22	19	44	12½-13½
2005	11	12	13	14	16	17	19	21	22	18	64	11½-12½
2006	8	9	10	11	11	13	14	15	16	17	83	10½-11½
2007	9	10	11	12	13	14	16	17	19	20	93	9½-10½
2008	4	9	10	11	12	13	14	15	16	20	105	8½-9½
2009		5	11	12	13	14	15	16	18	20	113	7½-8½
2010			6	12	13	15	16	17	19	19	124	6½-7½
2011				6	13	15	16	17	19	19	131	5½-6½
2012					7	14	16	17	19	20	143	4½-5½
2013						8	18	20	22	23	146	3½-4½
2014							9	20	22	25	150	2½-3½
2015								11	23	25	151	1½-2½
2016									11	24	153	½-1½
2017										13	80	0-½
<b>Total</b>	<b>53</b>	<b>68</b>	<b>86</b>	<b>106</b>	<b>128</b>	<b>157</b>	<b>196</b>	<b>231</b>	<b>273</b>	<b>308</b>	<b>1,606</b>	

SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2008-2017  
SUMMARIZED BY AGE INTERVAL

Acquisitions, Transfers and Sales, Thousands of Dollars											Total During Age Interval (12)	Age Interval (13)
Year Placed (1)	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)		
2003	-	-	-	-	-	-	60 <sup>a</sup>	-	-	-	-	13½-14½
2004	-	-	-	-	-	-	-	-	-	-	-	12½-13½
2005	-	-	-	-	-	-	-	-	-	-	-	11½-12½
2006	-	-	-	-	-	-	-	(5) <sup>b</sup>	-	-	60	10½-11½
2007	-	-	-	-	-	-	-	6 <sup>a</sup>	-	-	-	9½-10½
2008	-	-	-	-	-	-	-	-	-	-	(5)	8½-9½
2009	-	-	-	-	-	-	-	-	-	-	6	7½-8½
2010	-	-	-	-	-	-	-	-	-	-	-	6½-7½
2011	-	-	-	-	-	-	-	(12) <sup>b</sup>	-	-	-	5½-6½
2012	-	-	-	-	-	-	-	-	22 <sup>a</sup>	-	-	4½-5½
2013	-	-	-	-	-	-	-	(19) <sup>b</sup>	-	-	10	3½-4½
2014	-	-	-	-	-	-	-	-	-	-	-	2½-3½
2015	-	-	-	-	-	-	-	-	-	(102) <sup>c</sup>	(121)	1½-2½
2016	-	-	-	-	-	-	-	-	-	-	-	½-1½
2017	-	-	-	-	-	-	-	-	-	-	-	0-½
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>60</b>	<b>(30)</b>	<b>22</b>	<b>(102)</b>	<b>(50)</b>	

<sup>a</sup> Transfer Affecting Exposures at Beginning of Year  
<sup>b</sup> Transfer Affecting Exposures at End of Year  
<sup>c</sup> Sale with Continued Use  
Parentheses Denote Credit Amount.



In Schedule 2, other transactions which affect the group are recorded in a similar manner. The entries illustrated include transfers and sales. The entries which are credits to the plant account are shown in parentheses. The items recorded on this schedule are not totaled with the retirements, but are used in developing the exposures at the beginning of each age interval.

**Schedule of Plant Exposed to Retirement**

The development of the amount of plant exposed to retirement at the beginning of each age interval is illustrated in Schedule 3 on page II-14. The surviving plant at the beginning of each year from 2008 through 2017 is recorded by year in the portion of the table headed "Annual Survivors at the Beginning of the Year." The last amount entered in each column is the amount of new plant added to the group during the year. The amounts entered in Schedule 3 for each successive year following the beginning balance or additions are obtained by adding or subtracting the net entries shown on Schedules 1 and 2. For the purpose of determining the plant exposed to retirement, transfers-in are considered as being exposed to retirement in this group at the beginning of the year in which they occurred, and the sales and transfers-out are considered to be removed from the plant exposed to retirement at the beginning of the following year. Thus, the amounts of plant shown at the beginning of each year are the amounts of plant from each placement year considered to be exposed to retirement at the beginning of each successive transaction year. For example, the exposures for the installation year 2013 are calculated in the following manner:

Exposures at age 0 = amount of addition	= \$750,000
Exposures at age ½ = \$750,000 - \$8,000	= \$742,000
Exposures at age 1½ = \$742,000 - \$18,000	= \$724,000
Exposures at age 2½ = \$724,000 - \$20,000 - \$19,000	= \$685,000
Exposures at age 3½ = \$685,000 - \$22,000	= \$663,000

SCHEDULE 3. PLANT EXPOSED TO RETIREMENT  
 JANUARY 1 OF EACH YEAR 2008-2017  
 SUMMARIZED BY AGE INTERVAL

Year Placed (1)	Exposures, Thousands of Dollars Annual Survivors at the Beginning of the Year										Total at Beginning of Age Interval (12)	Age Interval (13)
	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)		
2003	255	245	234	222	209	195	239	216	192	167	167	13½-14½
2004	279	268	256	243	228	212	194	174	153	131	323	12½-13½
2005	307	296	284	271	257	241	224	205	184	162	531	11½-12½
2006	338	330	321	311	300	289	276	262	242	226	823	10½-11½
2007	376	367	357	346	334	321	307	297	280	261	1,097	9½-10½
2008	420*	416	407	397	386	374	361	347	332	316	1,503	8½-9½
2009		450*	455	444	432	419	405	390	374	356	1,952	7½-8½
2010			510*	504	492	479	464	448	431	412	2,463	6½-7½
2011				580*	574	561	546	530	501	482	3,057	5½-6½
2012					660*	653	639	623	628	609	3,789	4½-5½
2013						750*	742	724	685	663	4,332	3½-4½
2014							850*	841	821	799	4,955	2½-3½
2015								960*	949	926	5,719	1½-2½
2016									1,080*	1,069	6,579	½-1½
2017										1,220*	7,480	0-½
<b>Total</b>	<b>1,875</b>	<b>2,382</b>	<b>2,824</b>	<b>3,318</b>	<b>3,872</b>	<b>4,494</b>	<b>5,247</b>	<b>6,017</b>	<b>6,852</b>	<b>7,789</b>	<b>44,789</b>	

\*Additions during the year

For the entire experience band 2008-2017, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Schedule 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½ - 5½, is obtained by summing:

$$255 + 268 + 284 + 311 + 334 + 374 + 405 + 448 + 501 + 609.$$

**Original Life Table**

The original life table, illustrated in Schedule 4 on page II-16, is developed from the totals shown on the schedules of retirements and exposures, Schedules 1 and 3, respectively. The exposures at the beginning of the age interval are obtained from the corresponding age interval of the exposure schedule, and the retirements during the age interval are obtained from the corresponding age interval of the retirement schedule. The retirement ratio is the result of dividing the retirements during the age interval by the exposures at the beginning of the age interval. The percent surviving at the beginning of each age interval is derived from survivor ratios, each of which equals one minus the retirement ratio. The percent surviving is developed by starting with 100% at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

Percent surviving at age 4½	=	88.15
Exposures at age 4½	=	3,789,000
Retirements from age 4½ to 5½	=	143,000
Retirement Ratio	=	$143,000 \div 3,789,000 = 0.0377$
Survivor Ratio	=	$1.000 - 0.0377 = 0.9623$
Percent surviving at age 5½	=	$(88.15) \times (0.9623) = 84.83$

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless.

SCHEDULE 4. ORIGINAL LIFE TABLE  
 CALCULATED BY THE RETIREMENT RATE METHOD

Experience Band 2008-2017

Placement Band 2003-2017

(Exposure and Retirement Amounts are in Thousands of Dollars)

Age at Beginning of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Age Interval
(1)	(2)	(3)	(4)	(5)	(6)
0.0	7,490	80	0.0107	0.9893	100.00
0.5	6,579	153	0.0233	0.9767	98.93
1.5	5,719	151	0.0264	0.9736	96.62
2.5	4,955	150	0.0303	0.9697	94.07
3.5	4,332	146	0.0337	0.9663	91.22
4.5	3,789	143	0.0377	0.9623	88.15
5.5	3,057	131	0.0429	0.9571	84.83
6.5	2,463	124	0.0503	0.9497	81.19
7.5	1,952	113	0.0579	0.9421	77.11
8.5	1,503	105	0.0699	0.9301	72.65
9.5	1,097	93	0.0848	0.9152	67.57
10.5	823	83	0.1009	0.8991	61.84
11.5	531	64	0.1205	0.8795	55.60
12.5	323	44	0.1362	0.8638	48.90
13.5	167	26	0.1557	0.8443	42.24
Total	44,780	1,606			35.66

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.  
 Column 3 from Schedule 1, Column 12, Retirements for Each Year.  
 Column 4 = Column 3 Divided by Column 2.  
 Column 5 = 1.0000 Minus Column 4.  
 Column 6 = Column 5 Multiplied by Column 6 as of the Preceding Age Interval.

The original survivor curve is plotted from the original life table (column 6, Schedule 4). When the curve terminates at a percent surviving greater than zero, it is called a stub survivor curve. Survivor curves developed from retirement rate studies generally are stub curves.

**Smoothing the Original Survivor Curve**

The smoothing of the original survivor curve eliminates any irregularities and serves as the basis for the preliminary extrapolation to zero percent surviving of the original stub curve. Even if the original survivor curve is complete from 100% to zero percent, it is desirable to eliminate any irregularities, as there is still an extrapolation for the vintages which have not yet lived to the age at which the curve reaches zero percent. In this study, the smoothing of the original curve with established type curves was used to eliminate irregularities in the original curve.

The lowa type curves are used in this study to smooth those original stub curves which are expressed as percents surviving at ages in years. Each original survivor curve was compared to the lowa curves using visual and mathematical matching in order to determine the better fitting smooth curves. In Figures 6, 7, and 8, the original curve developed in Schedule 4 is compared with the L, S, and R lowa type curves which most nearly fit the original survivor curve. In Figure 6, the L1 curve with an average life between 12 and 13 years appears to be the best fit. In Figure 7, the S0 type curve with a 12-year average life appears to be the best fit and appears to be better than the L1 fitting. In Figure 8, the R1 type curve with a 12-year average life appears to be the best fit and appears to be better than either the L1 or the S0.

In Figure 9, the three fittings, 12-L1, 12-S0 and 12-R1 are drawn for comparison purposes. It is probable that the 12-R1 lowa curve would be selected as the most representative of the plotted survivor characteristics of the group.

FIGURE 6. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

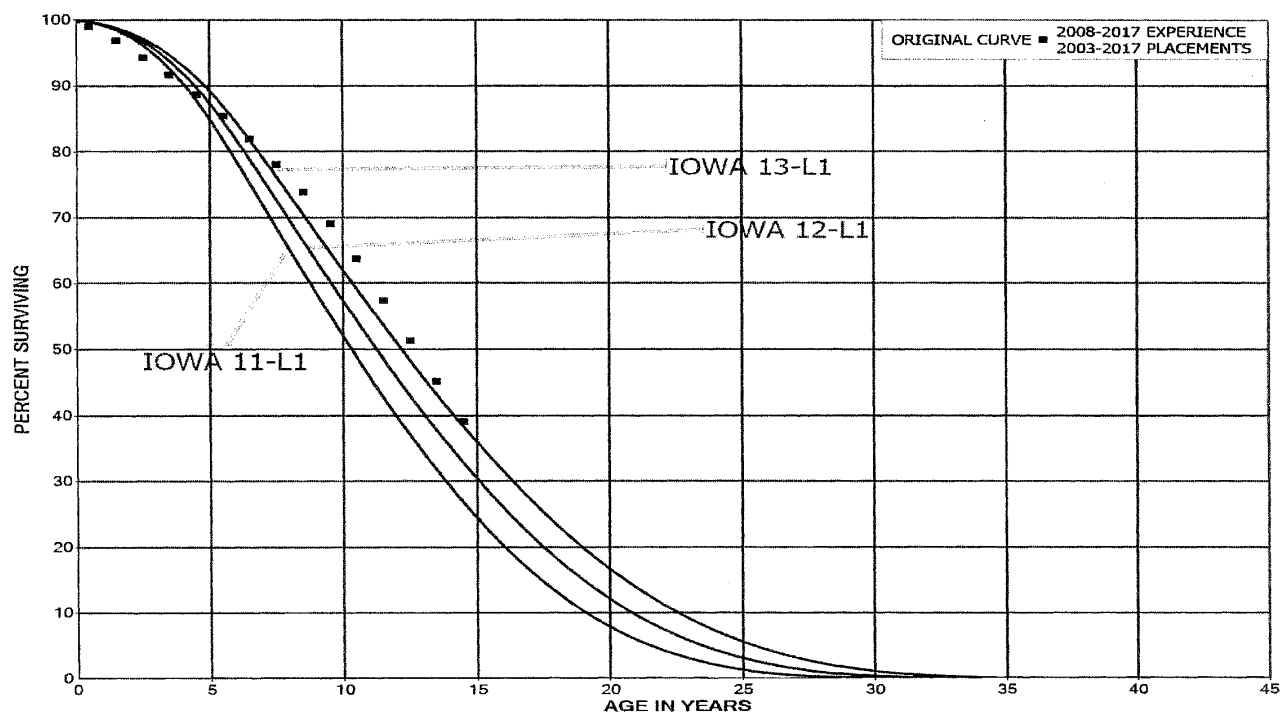


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN SO IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

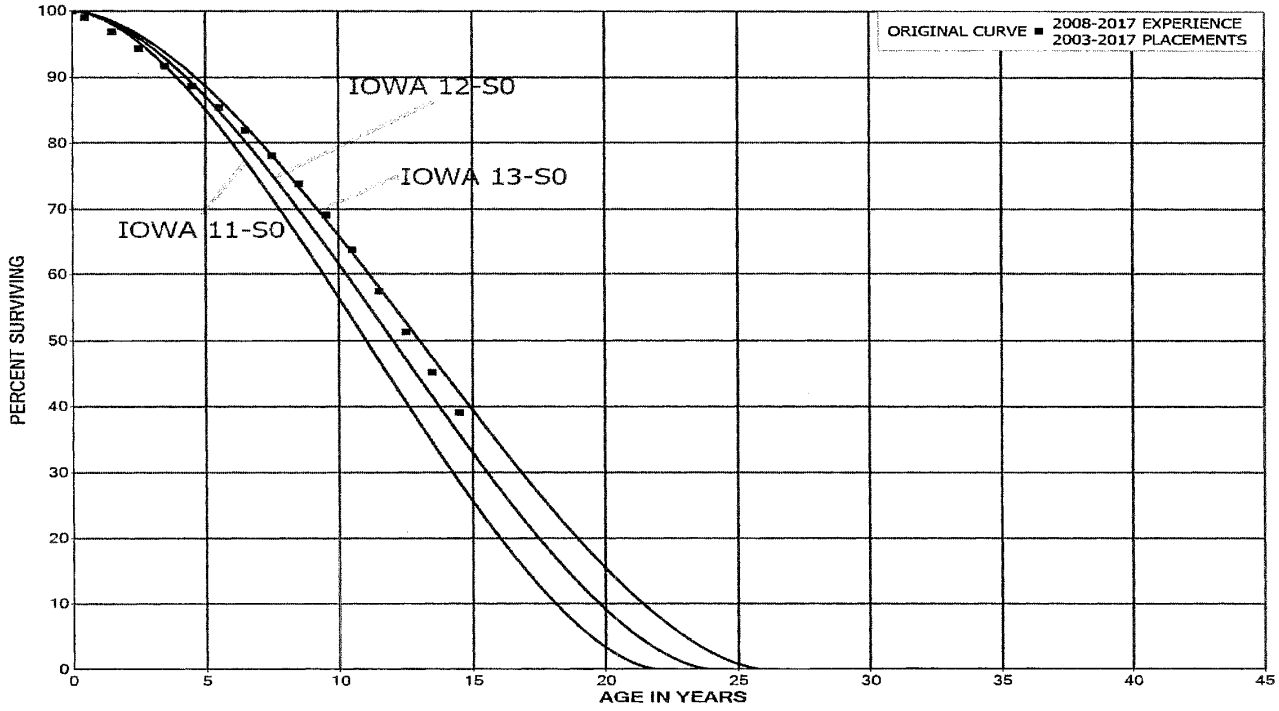


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

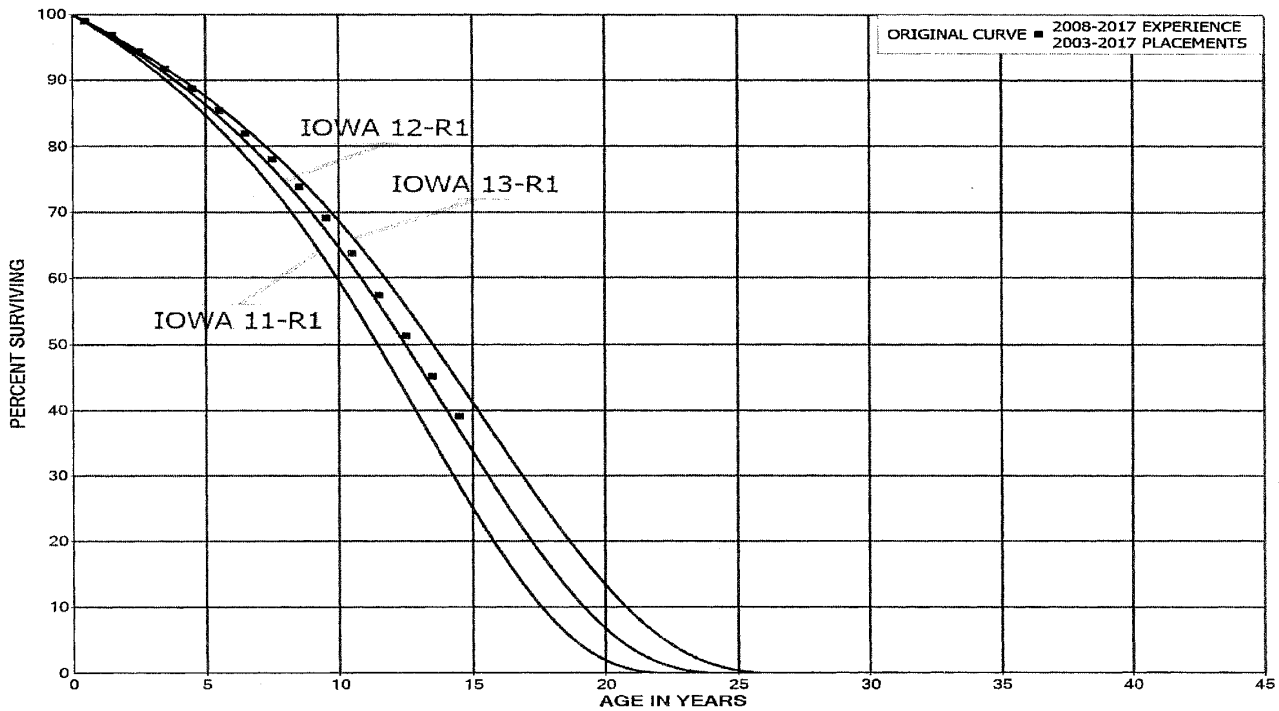
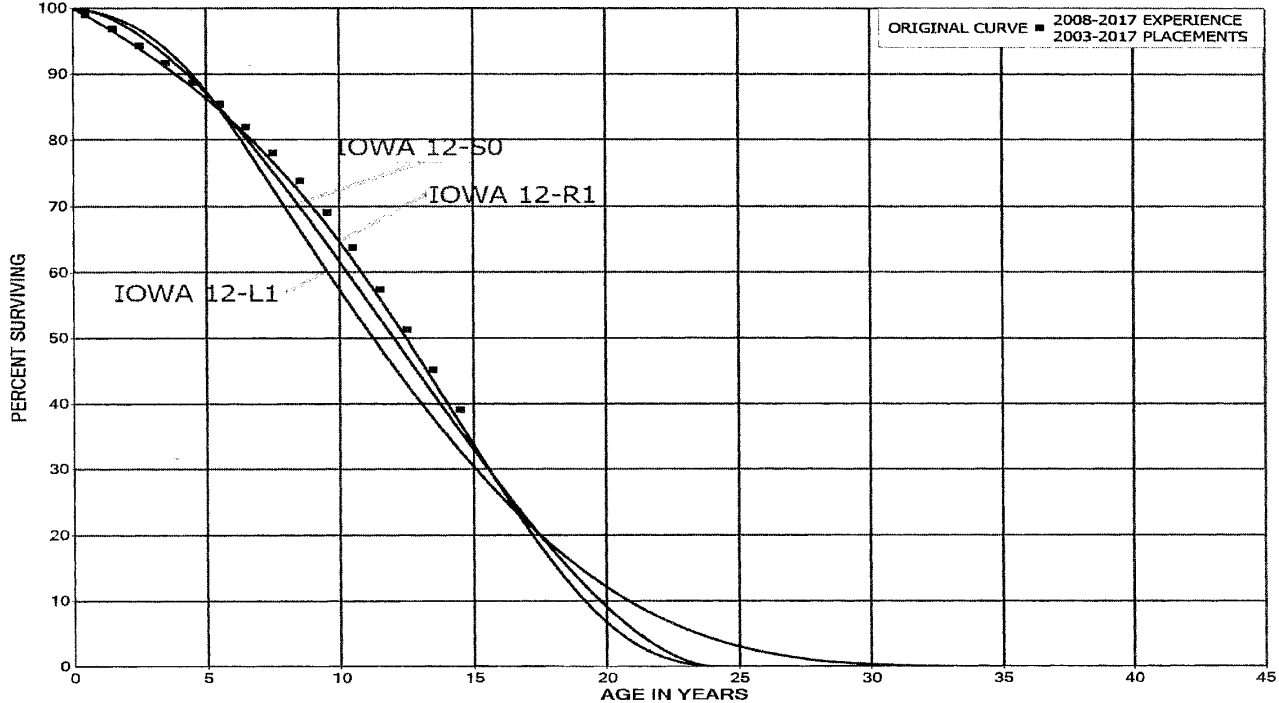




FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES



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**PART III. SERVICE LIFE CONSIDERATIONS**

### **PART III. SERVICE LIFE CONSIDERATIONS**

#### **FIELD TRIPS**

In order to be familiar with the operation of the Company and observe representative portions of the plant, field trips have been conducted. A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirements are obtained during field trips. This knowledge and information were incorporated in the interpretation and extrapolation of the statistical analyses.

The following is a list of the locations visited during recent field trips.

#### October 19-21, 2015

Mill Creek Generating Station  
Mill Creek / Riverport Center  
Cane Run Generating Facility

#### October 10-12, 2011

Mill Creek Generating Station  
Cane Run Generating Facility  
E.W. Brown Generating Facility  
Trimble County Generating Facility

#### April 23-25, 2007

Trimble County Generating Facility  
Mill Creek Generating Facility  
Cane Run Generating Facility  
E.W. Brown Generating Facility

#### **SERVICE LIFE ANALYSIS**

The service life estimates were based on judgment which considered a number of factors. The primary factors were the statistical analyses of data, current Company policies and outlook as determined during conversations with management; and the survivor curve estimates from previous studies of this company and other electric and gas utility companies.

For most plant accounts and subaccounts for which survivor curves were

estimated, the statistical analyses using the retirement rate method resulted in good to excellent indications of the survivor patterns experienced. Generally, the information external to the statistics led to minimal or no significant departure from the indicated survivor curves for the accounts listed below. The statistical support for the service life estimates is presented in the section beginning on page VII-2.

ELECTRIC PLANT  
STEAM PRODUCTION PLANT  
311 Structures and Improvements  
312 Boiler Plant Equipment  
314 Turbogenerator Units  
316 Miscellaneous Power Plant Equipment

Account 312, Boiler Plant Equipment is used to illustrate the manner in which the study was conducted for the groups in the preceding list. Account 312 represents approximately 74 percent of the total depreciable steam generation plant. Aged plant accounting data have been compiled for the years 1952 through 2017. These data have been coded in the course of the Company's normal record keeping according to account or property group, type of transaction, year in which the transaction took place, and year in which the electric plant was placed in service. The retirements, other plant transactions, and plant additions were analyzed by the retirement rate method.

The survivor curve estimate for Account 312, Boiler Plant Equipment, is based on the statistical indications for the periods 1952 through 2017. The Iowa 60-R1 is a good fit of the original survivor curve. The 60-year interim service life is within the typical service life range of 55 to 70 years for boiler plant equipment. The 60-year life reflects the Company's practices of continual and steady retirements for all vintages. The previous estimate was also the Iowa 54-R1.5.

**Life Span Estimates**

Inasmuch as production plant consists of large generating units, the life span

technique was employed in conjunction with the use of interim survivor curves which reflect interim retirements that occur prior to the ultimate retirement of the major unit. An interim survivor curve was estimated for each plant account, inasmuch as the rate of interim retirements differs from account to account. The interim survivor curves estimated for steam production plant were based on the retirement rate method of life analysis which incorporated experienced aged retirements for the period 1954 through 2017.

The depreciable life span estimates for power generating stations were the result of considering experienced life spans of similar generating units, the age of surviving units, general operating characteristics of the units, major refurbishing, and discussions with management personnel concerning the probable long-term outlook for the units and observed features and conditions at the time of the field visit. These life spans represent the expected depreciable life of each facility under their current configuration. The life span estimate for most steam, base-load units is 55 to 60 years, which is within the typical range of life spans for such units.

A summary of the year in service, life span and probable retirement year for each power production unit follows:

<u>Depreciable Group</u>	<u>Major Year in Service</u>	<u>Probable Retiremen t Year</u>	<u>Life Span</u>
Steam Production Plant			
Cane Run Unit 1	1954	2002	48
Cane Run Unit 2	1956	2002	46
Cane Run Unit 3	1958	2002	44
Cane Run Unit 4	1962	2015	53
Cane Run Unit 5	1966	2015	49
Cane Run Unit 6	1969	2015	46
Mill Creek Unit 1	1972	2032	60
Mill Creek Unit 2	1974	2034	60

	1974	2034	60
Mill Creek Unit 3	1978	2038	60
Mill Creek Unit 4	1982	2042	60
Trimble County Unit 1	1990	2050	60
Trimble County Unit 2	1990,2011	2066	76,55

Similar studies were performed for the remaining plant accounts. Each of the judgments represented a consideration of statistical analyses of aged plant activity, management's outlook for the future, and the typical range of lives used by other electric companies.

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**PART IV. NET SALVAGE CONSIDERATIONS**

**PART IV. NET SALVAGE CONSIDERATIONS**

**SALVAGE ANALYSIS**

The estimates of net salvage by account were based in part on historical data compiled through 2017. Cost of removal and salvage were expressed as percents of the original cost of plant retired, both on annual and three-year moving average bases. The most recent five-year average also was calculated for consideration. The net salvage estimates by account are expressed as a percent of the original cost of plant retired.

**Net Salvage Considerations**

The estimates of future net salvage are expressed as percentages of surviving plant in service, i.e., all future retirements. In cases in which removal costs are expected to exceed salvage receipts, a negative net salvage percentage is estimated. The net salvage estimates were based on judgment which incorporated analyses of historical cost of removal and salvage data, expectations with respect to future removal requirements and markets for retired equipment and materials.

The analyses of historical cost of removal and salvage data are presented in the section titled "Net Salvage Statistics" for the plant accounts for which the net salvage estimate relied partially on those analyses.

Statistical analyses of historical data for the period, 1972 through 2017 by plant account were analyzed. The analyses contributed significantly toward the net salvage estimates for most plant accounts, representing 99 percent of the depreciable plant, as follows:

ELECTRIC PLANT	
STEAM PRODUCTION	
311	Structures and Improvements
312	Boiler Plant Equipment
314	Turbogenerator Units
315	Accessory Electric Equipment
316	Miscellaneous Power Plant Equipment



The overall net salvage estimates for the Company's production facilities, for which the life span method is used, is based on estimates of both terminal net salvage and interim net salvage. Terminal net salvage is the net salvage experienced at the end of a production plant's life span. Interim net salvage is the net salvage experienced for interim retirements that occur prior to the final retirement of the plant. The terminal net salvage estimates in the study were based on decommissioning costs assigned to comparable facilities. The interim net salvage estimates were based in part on an analysis of historical interim retirement and net salvage data. Based on informed judgment that incorporated these interim net salvage analyses for each plant account, an interim net salvage estimate between 2 and 25 percent was used for each steam plant account.

The interim survivor curve estimates for each account and production facility were used to calculate the percentage of plant expected to be retired as interim retirements and terminal retirements. These are shown on Table 2 in the Net Salvage Statistics section on page VIII-2. These percentages were used to determine the weighted net salvage estimate for each account and production facility based on the interim and terminal net salvage estimates. These calculations, as well as the estimated terminal net salvage amounts and interim net salvage percents, are shown on Table 2 of the Net Salvage Statistics section on page VIII-2.

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**PART V. CALCULATION OF ANNUAL AND  
ACCRUED DEPRECIATION**

**PART V. CALCULATION OF ANNUAL  
AND ACCRUED DEPRECIATION**

**GROUP DEPRECIATION PROCEDURES**

A group procedure for depreciation is appropriate when considering more than a single item of property. Normally the items within a group do not have identical service lives, but have lives that are dispersed over a range of time. There are two primary group procedures, namely, average service life and equal life group. In the average service life procedure, the rate of annual depreciation is based on the average life or average remaining life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to average life is more than fully recouped. Over the entire life cycle, the portion of cost not recouped prior to average life is balanced by the cost recouped subsequent to average life.

**Single Unit of Property**

The calculation of straight line depreciation for a single unit of property is straightforward. For example, if a \$1,000 unit of property attains an age of four years and has a life expectancy of six years, the annual accrual over the total life is:

$$\frac{\$1,000}{(4 + 6)} = \$100 \text{ per year.}$$

The accrued depreciation is:

$$\$1,000 \left(1 - \frac{6}{10}\right) = \$400.$$

**Remaining Life Annual Accruals**

For the purpose of calculating remaining life accruals as of December 31, 2017, the depreciation reserve for each plant account is allocated among vintages in proportion to the calculated accrued depreciation for the account. Explanations of remaining life accruals and calculated accrued depreciation follow. The detailed calculations as of December 31, 2017, are set forth in the Results of Study section of the report.

**Average Service Life Procedure**

In the average service life procedure, the remaining life annual accrual for each vintage is determined by dividing future book accruals (original cost less book reserve) by the average remaining life of the vintage. The average remaining life is a directly weighted average derived from the estimated future survivor curve in accordance with the average service life procedure.

The calculated accrued depreciation for each depreciable property group represents that portion of the depreciable cost of the group which would not be allocated to expense through future depreciation accruals if current forecasts of life characteristics are used as the basis for such accruals. The accrued depreciation calculation consists of applying an appropriate ratio to the surviving original cost of each vintage of each account based upon the attained age and service life. The straight line accrued depreciation ratios are calculated as follows for the average service life procedure:

$$\text{Ratio} = 1 - \frac{\text{Average Remaining Service Life}}{\text{Average Service Life}}$$

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**PART VI. RESULTS OF STUDY**

**PART VI. RESULTS OF STUDY**

**QUALIFICATION OF RESULTS**

The calculated annual and accrued depreciation are the principal results of the study. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate annual depreciation accrual rates. An assumption that accrual rates can remain unchanged over a long period of time implies a disregard for the inherent variability in service lives and salvage and for the change of the composition of property in service. The annual accrual rates were calculated in accordance with the straight line remaining life method of depreciation, using the average service life procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

The annual depreciation accrual rates are applicable specifically to the steam generation plant in service as of December 31, 2017. For most plant accounts, the application of such rates to future balances that reflect additions subsequent to December 31, 2017, is reasonable for a period of three to five years.

**DESCRIPTION OF STATISTICAL SUPPORT**

The service life and salvage estimates were based on judgment which incorporated statistical analyses of retirement data, discussions with management and consideration of estimates made for other electric utility companies. The results of the statistical analyses of service life are presented in the section titled "Service Life Statistics".

The estimated survivor curves for each account are presented in graphical form. The charts depict the estimated smooth survivor curve and original survivor curve(s).

when applicable, related to each specific group. For groups where the original survivor curve was plotted, the calculation of the original life table is also presented.

The analyses of salvage data are presented in the section titled, "Net Salvage Statistics". The tabulations present annual cost of removal and salvage data, three-year moving averages and the most recent five-year average. Data are shown in dollars and as percentages of original costs retired.

#### **DESCRIPTION OF DEPRECIATION TABULATIONS**

A summary of the results of the study, as applied to the original cost of steam generation plant as of December 31, 2017, is presented on pages VI-4 and VI-5 of this report. The schedule sets forth the original cost, the book reserve, future accruals, the calculated annual depreciation rate and amount, and the composite remaining life related to electric plant.

The tables of the calculated annual depreciation accruals are presented in account sequence in the section titled "Detailed Depreciation Calculations." The tables indicate the estimated survivor curve and net salvage percent for the account and set forth, for each installation year, the original cost, the calculated accrued depreciation, the allocated book reserve, future accruals, the remaining life and the calculated annual accrual amount.

LOUISVILLE GAS AND ELECTRIC COMPANY

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017

ACCOUNT	SURVIVOR CURVE	NET SALVAGE PERCENT	ORIGINAL COST	BOOK DEPRECIATION RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL AMOUNT	ACCUMULATED ACCRUAL RATE	COMPOSITE REMAINING LIFE (YR/NET)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)/(6)	(9)
<b>DEPRECIABLE PLANT</b>								
<b>STEAM PRODUCTION PLANT</b>								
311.00	STRUCTURES AND IMPROVEMENTS							
	RIVERPORT DISTRIBUTION CENTER	95-R2-5	3,310,284.54	406,928	6,231,268	141,328	2.66	44.0
	MILL CREEK UNIT 1	95-R2-3	21,332,200.22	18,070,464	5,244,844	375,858	1.79	14.3
	MILL CREEK UNIT 2	95-R2-3	14,181,012.84	10,207,584	5,316,160	327,518	2.51	18.2
	MILL CREEK UNIT 2 SCRUBBER	95-R2-3	4,075,024.17	866,764	4,528,047	279,822	5.81	18.4
	MILL CREEK UNIT 3	95-R2-5	29,133,200.17	21,383,461	10,722,148	582,824	1.53	20.1
	MILL CREEK UNIT 3 SCRUBBER	95-R2-5	4,984,416.93	175,244	5,270,644	292,866	5.20	20.3
	MILL CREEK UNIT 4	95-R2-5	17,200,000.78	43,812,733	28,641,371	1,628,338	2.21	23.9
	MILL CREEK UNIT 4 SCRUBBER	95-R2-5	2,792,319.79	25,461,832	3,969,943	102,206	2.80	24.3
	TRIMBLE COUNTY UNIT 1	95-R2-3	197,462,412.29	95,031,140	26,744,883	816,718	1.88	31.0
	TRIMBLE COUNTY UNIT 1 SCRUBBER	95-R2-3	48,918.22	8,374	1,699,405	11,696	3.57	31.8
	TRIMBLE COUNTY UNIT 2	95-R2-3	13,467,391.82	2,378,508	17,546,406	375,159	2.10	46.6
	TRIMBLE COUNTY UNIT 2 SCRUBBER	95-R2-3	84,690.21	7,433	88,854	1,901	2.25	46.7
	<b>TOTAL ACCOUNT 311 - STRUCTURES AND IMPROVEMENTS</b>		<b>293,224,921.94</b>	<b>154,178,923</b>	<b>155,385,871</b>	<b>5,845,173</b>	<b>2.58</b>	<b>26.1</b>
311.20	STRUCTURES AND IMPROVEMENTS - RETIRED PLANT							
	CANE RUN UNIT 1	95-R2-6	1,786,178.29	1,864,786	0	0	-	-
	CANE RUN UNIT 2	95-R2-5	1,238,238.33	1,351,172	0	0	-	-
	CANE RUN UNIT 2 SCRUBBER	95-R2-5	2,005,551.55	2,238,137	0	0	-	-
	CANE RUN UNIT 3	95-R2-5	3,113,856.49	3,445,261	0	0	-	-
	CANE RUN UNIT 4 SCRUBBER	95-R2-5	17,460,759	19,327	0	0	-	-
	CANE RUN UNIT 5	95-R2-5	3,145,954.22	3,485,231	0	0	-	-
	CANE RUN UNIT 5 SCRUBBER	95-R2-5	10,150,127	11,513	0	0	-	-
	CANE RUN UNIT 6	95-R2-5	13,394,433.32	14,414,654	0	0	-	-
	CANE RUN UNIT 6 SCRUBBER	95-R2-5	85,950.85	84,000	0	0	-	-
	<b>TOTAL ACCOUNT 311.2 - STRUCTURES AND IMPROVEMENTS - RETIRED PLANT</b>		<b>24,845,886.79</b>	<b>27,030,786</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>
312.00	BOILER PLANT EQUIPMENT							
	MILL CREEK UNIT 1	95-R1	182,138,143.14	44,884,815	155,445,547	11,289,859	6.15	13.9
	MILL CREEK UNIT 1 SCRUBBER	95-R1	18,462,472.23	10,096,169	8,306,234	821,387	3.67	13.7
	MILL CREEK UNIT 2	95-R1	198,862,894.19	72,739,445	166,822,823	12,248,199	6.37	18.7
	MILL CREEK UNIT 2 SCRUBBER	95-R1	154,871,891.48	74,205,371	123,070,830	7,748,317	6.78	18.8
	MILL CREEK UNIT 3	95-R1	217,172,548.86	68,844,505	227,744,389	17,268,512	4.47	19.1
	MILL CREEK UNIT 3 SCRUBBER	95-R1	190,334,730.73	3,177,981	161,832,112	8,327,197	5.64	19.4
	MILL CREEK UNIT 4	95-R1	475,438,520.27	135,724,829	322,472,953	19,862,551	3.61	32.5
	MILL CREEK UNIT 4 SCRUBBER	95-R1	298,349,248.96	17,767,770	295,316,460	9,217,147	4.47	22.7
	TRIMBLE COUNTY UNIT 1	95-R1	322,877,528.22	90,641,430	271,484,652	8,742,824	3.02	29.6
	TRIMBLE COUNTY UNIT 1 SCRUBBER	95-R1	60,897,964.03	33,862,110	42,829,713	1,543,457	2.21	27.6
	TRIMBLE COUNTY UNIT 2	95-R1	145,438,024.91	29,445,566	114,551,179	3,499,781	2.39	40.4
	TRIMBLE COUNTY UNIT 2 SCRUBBER	95-R1	19,152,263.62	3,023,172	16,207,431	357,855	7.33	40.4
	<b>TOTAL ACCOUNT 312 - BOILER PLANT EQUIPMENT</b>		<b>2,160,493,746.42</b>	<b>453,823,030</b>	<b>1,946,922,205</b>	<b>94,196,477</b>	<b>4.34</b>	<b>20.7</b>



LOUISVILLE GAS AND ELECTRIC COMPANY

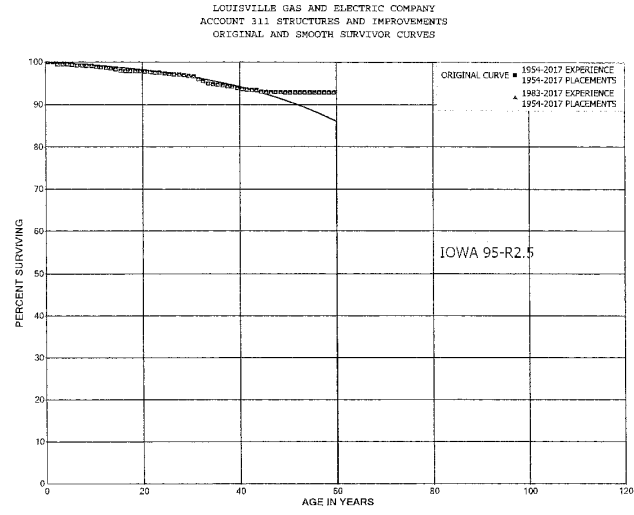
TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	CALCULATED ANNUAL ACCRUAL RATE (8)=(7)/(4)	COMPOSITE REMAINING LIFE (9)=(8)/(7)		
312.10	BOILER PLANT EQUIPMENT - ASH PONDS									
	MILL CREEK UNIT 1	100-S4	*	0	411,750.29	231,546	160,204	45,051	10.94	4.0
	MILL CREEK UNIT 3	100-S4	*	0	947,825.39	635,948	311,878	207,919	21.94	1.5
	TRIMBLE COUNTY UNIT 1	100-S4	*	0	4,857,827.95	1,859,074	3,009,754	501,525	10.30	6.0
	TRIMBLE COUNTY UNIT 2	100-S4	*	0	5,057,242.50	1,444,262	4,442,980	1,110,745	21.96	4.0
	<b>TOTAL ACCOUNT 312.1 - BOILER PLANT EQUIPMENT - ASH PONDS</b>				<b>11,284,647.14</b>	<b>3,339,830</b>	<b>7,944,816</b>	<b>1,865,341</b>	<b>16.53</b>	<b>4.3</b>
314.00	TURBOGENERATOR UNITS									
	MILL CREEK UNIT 1	60-R2.5	*	(10)	25,971,344.84	11,394,423	17,174,056	1,234,951	4.76	13.9
	MILL CREEK UNIT 2	60-R2.5	*	(10)	28,261,136.61	12,265,240	18,322,010	1,191,889	4.22	15.8
	MILL CREEK UNIT 3	60-R2.5	*	(10)	34,874,136.89	20,843,142	17,518,409	917,070	2.63	19.1
	MILL CREEK UNIT 4	60-R2.5	*	(10)	55,056,036.33	24,695,491	35,957,349	1,583,295	2.88	22.7
	TRIMBLE COUNTY UNIT 1	60-R2.5	*	(14)	59,537,576.82	30,778,475	37,094,363	1,294,397	2.17	28.7
	TRIMBLE COUNTY UNIT 2	80-R2.5	*	(14)	21,957,018.06	4,789,217	20,253,184	485,677	2.21	41.7
	<b>TOTAL ACCOUNT 314 - TURBOGENERATOR UNITS</b>				<b>225,669,249.55</b>	<b>104,766,988</b>	<b>146,729,371</b>	<b>6,707,279</b>	<b>2.97</b>	<b>21.9</b>
315.00	ACCESSORY ELECTRIC EQUIPMENT									
	MILL CREEK UNIT 1	65-R3	*	(10)	18,582,082.97	11,727,023	8,713,268	615,932	3.31	14.1
	MILL CREEK UNIT 1 SCRUBBER	65-R3	*	(10)	202,167.22	220,362	2,022	147	0.07	13.8
	MILL CREEK UNIT 2	65-R3	*	(10)	13,147,191.98	6,468,005	7,993,905	495,902	3.77	16.1
	MILL CREEK UNIT 2 SCRUBBER	65-R3	*	(10)	2,694,916.35	765,601	2,198,807	133,992	4.97	16.4
	MILL CREEK UNIT 3	65-R3	*	(10)	26,791,012.14	13,984,708	15,485,405	775,355	2.89	20.0
	MILL CREEK UNIT 3 SCRUBBER	65-R3	*	(10)	9,702,181.78	1,349,963	9,421,437	464,826	4.75	20.3
	MILL CREEK UNIT 4	65-R3	*	(10)	31,002,634.31	18,728,455	15,374,443	669,720	2.16	23.0
	MILL CREEK UNIT 4 SCRUBBER	65-R3	*	(10)	1,667,316.69	564,201	1,269,847	52,480	3.15	24.2
	TRIMBLE COUNTY UNIT 1	65-R3	*	(14)	65,098,801.60	30,167,182	44,045,452	1,473,149	2.26	29.9
	TRIMBLE COUNTY UNIT 1 SCRUBBER	65-R3	*	(14)	2,736,920.21	2,395,614	724,475	25,313	0.92	28.6
	TRIMBLE COUNTY UNIT 2	65-R3	*	(14)	10,679,138.16	1,552,448	10,621,770	235,871	2.21	46.0
	<b>TOTAL ACCOUNT 315 - ACCESSORY ELECTRIC EQUIPMENT</b>				<b>182,394,363.41</b>	<b>87,923,563</b>	<b>115,850,831</b>	<b>4,942,687</b>	<b>2.71</b>	<b>23.4</b>
316.00	MISCELLANEOUS PLANT EQUIPMENT									
	RIVERPORT DISTRIBUTION CENTER	45-R2.5	*	(2)	582,917.66	63,737	530,839	14,119	2.42	37.6
	MILL CREEK UNIT 1	45-R2.5	*	(10)	1,036,757.76	560,951	579,463	43,834	4.23	13.2
	MILL CREEK UNIT 2	45-R2.5	*	(10)	141,316.22	90,413	65,035	4,487	3.18	14.5
	MILL CREEK UNIT 3	45-R2.5	*	(10)	347,546.48	334,551	47,750	2,674	0.77	17.9
	MILL CREEK UNIT 4	45-R2.5	*	(10)	10,935,346.35	3,654,057	8,374,824	379,457	3.47	22.1
	MILL CREEK UNIT 4 SCRUBBER	45-R2.5	*	(10)	43,211.57	47,101	432	19	0.04	22.7
	TRIMBLE COUNTY UNIT 1	45-R2.5	*	(14)	3,093,853.20	1,635,209	1,891,784	80,052	2.59	23.6
	TRIMBLE COUNTY UNIT 2	45-R2.5	*	(14)	3,528,603.03	384,859	3,637,738	94,925	2.69	38.3
	<b>TOTAL ACCOUNT 316 - MISCELLANEOUS PLANT EQUIPMENT</b>				<b>19,709,552.57</b>	<b>6,770,888</b>	<b>15,127,885</b>	<b>619,594</b>	<b>3.14</b>	<b>24.4</b>
	<b>TOTAL STEAM PRODUCTION PLANT</b>				<b>2,918,228,777.89</b>	<b>853,513,488</b>	<b>2,389,913,879</b>	<b>114,240,521</b>		

\* LIFE SPAN PROCEDURE IS USED. CURVE SHOWN IS INTERIM SURVIVOR CURVE

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**PART VII. SERVICE LIFE STATISTICS**



LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGINN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	561,872,240		0.0000	1.0000	100.00
0.5	422,004,684	2,378	0.0000	1.0000	100.00
1.5	408,751,837	2,292,428	0.0056	0.9944	100.00
2.5	379,619,440	6,033	0.0000	1.0000	99.44
3.5	367,922,369	343,352	0.0009	0.9991	99.44
4.5	359,583,939	136,120	0.0004	0.9996	99.34
5.5	359,858,260	554,806	0.0015	0.9985	99.31
6.5	340,560,560	25,433	0.0001	0.9999	99.15
7.5	336,864,517	166,303	0.0005	0.9995	99.15
8.5	335,394,024	115,497	0.0003	0.9997	99.10
9.5	334,016,682	890,814	0.0027	0.9973	99.06
10.5	330,702,903	333,179	0.0010	0.9990	98.80
11.5	328,902,985	420,229	0.0013	0.9987	98.70
12.5	325,404,339	349,658	0.0011	0.9989	98.57
13.5	324,781,485	448,080	0.0014	0.9986	98.47
14.5	321,961,072	1,056,291	0.0033	0.9967	98.33
15.5	319,347,512	573,233	0.0018	0.9982	98.01
16.5	317,089,523	28,724	0.0001	0.9999	97.83
17.5	315,646,193	117,644	0.0004	0.9996	97.82
18.5	313,521,448	13,466	0.0000	1.0000	97.79
19.5	266,619,095	104,731	0.0004	0.9996	97.78
20.5	264,809,698	311,383	0.0012	0.9988	97.74
21.5	263,380,701	242,318	0.0009	0.9991	97.63
22.5	261,296,365	209,903	0.0008	0.9992	97.54
23.5	256,979,710	544,897	0.0021	0.9979	97.46
24.5	252,293,444	343,618	0.0014	0.9986	97.26
25.5	256,544,085	47,649	0.0002	0.9998	97.12
26.5	251,319,915	174,455	0.0007	0.9993	97.10
27.5	148,074,202	159,143	0.0011	0.9989	97.04
28.5	147,987,914	355,792	0.0024	0.9976	96.93
29.5	153,951,061	215,544	0.0014	0.9986	96.70
30.5	146,352,264	923,828	0.0063	0.9937	96.56
31.5	165,702,430	804,907	0.0049	0.9951	95.96
32.5	159,968,682	882,501	0.0055	0.9945	95.49
33.5	117,533,376	346,114	0.0029	0.9971	94.96
34.5	101,219,524	22,276	0.0002	0.9998	94.68
35.5	75,123,120	162,904	0.0022	0.9978	94.66
36.5	72,720,653	168,210	0.0023	0.9977	94.46
37.5	52,400,270	48,803	0.0009	0.9991	94.24
38.5	51,760,331	199,737	0.0039	0.9961	94.15

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1954-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETWT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	50,759,340	71,655	0.0014	0.9986	93.79
40.5	59,773,651	67,352	0.0011	0.9989	93.65
41.5	48,799,713	52,860	0.0011	0.9989	93.55
42.5	37,753,327	28,313	0.0007	0.9993	93.45
43.5	39,565,374	153,984	0.0039	0.9961	93.38
44.5	38,763,831	34,661	0.0009	0.9991	93.01
45.5	25,049,516	367	0.0000	1.0000	92.93
46.5	19,660,184	4,059	0.0002	0.9998	92.93
47.5	17,350,403		0.0000	1.0000	92.91
48.5	18,884,659	12,026	0.0006	0.9994	92.91
49.5	14,777,933	780	0.0001	0.9999	92.85
50.5	12,572,660		0.0000	1.0000	92.85
51.5	14,387,257	520	0.0000	1.0000	92.85
52.5	14,353,696		0.0000	1.0000	92.84
53.5	9,449,870	742	0.0001	0.9999	92.84
54.5	9,449,128		0.0000	1.0000	92.84
55.5	9,448,869		0.0000	1.0000	92.84
56.5	11,398,967		0.0000	1.0000	92.84
57.5	8,011,280		0.0000	1.0000	92.84
58.5	6,058,719		0.0000	1.0000	92.84
59.5	5,183,043		0.0000	1.0000	92.84
60.5	6,822,233		0.0000	1.0000	92.84
61.5	1,639,190		0.0000	1.0000	92.84
62.5					92.84

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

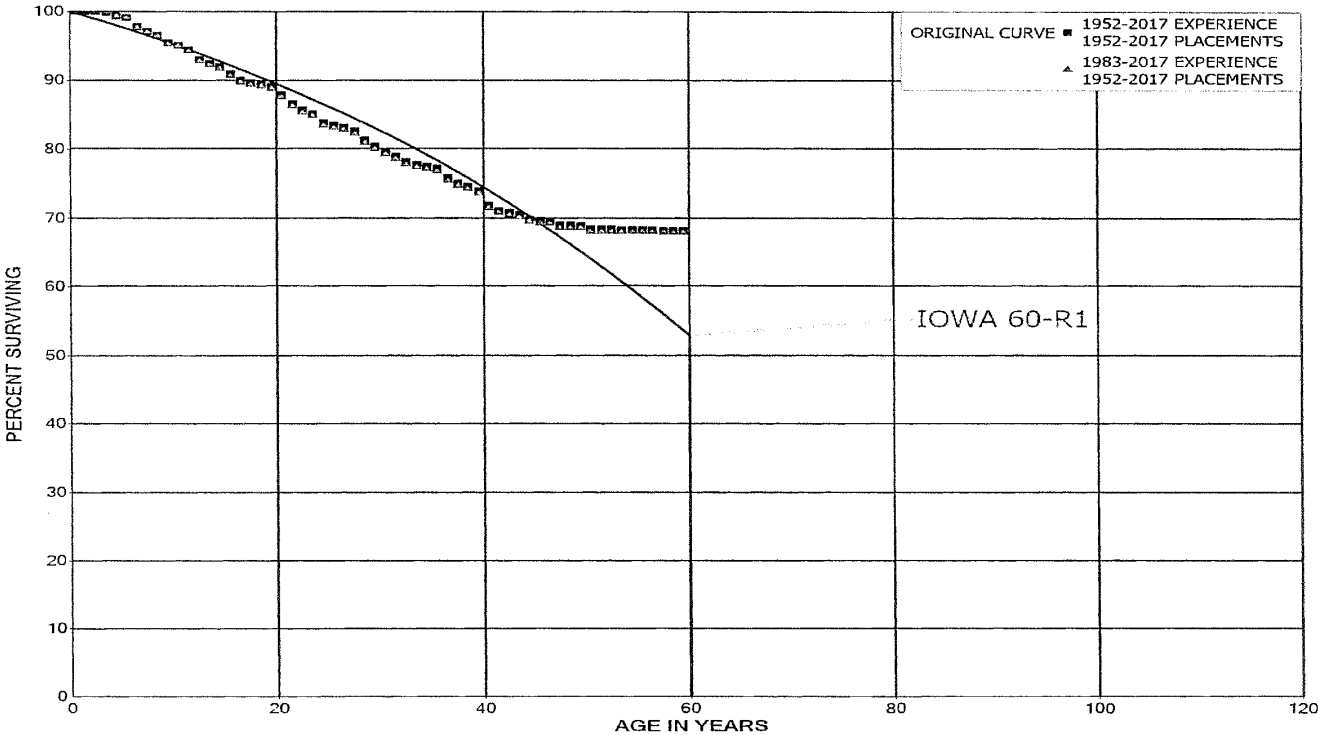
PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	438,246,112		0.0000	1.0000	100.00
0.5	328,815,313	741	0.0000	1.0000	100.00
1.5	324,715,342	2,278,503	0.0070	0.9930	100.00
2.5	300,599,845	1,815	0.0000	1.0000	99.30
3.5	290,260,002	152,674	0.0005	0.9995	99.30
4.5	303,492,513	83,675	0.0003	0.9997	99.25
5.5	305,467,913	544,210	0.0018	0.9982	99.22
6.5	287,022,532	21,553	0.0001	0.9999	99.04
7.5	284,306,059	151,446	0.0005	0.9995	99.03
8.5	293,801,710	92,107	0.0003	0.9997	98.98
9.5	294,250,650	861,173	0.0029	0.9971	98.95
10.5	306,888,467	328,315	0.0011	0.9989	98.66
11.5	305,172,733	406,622	0.0013	0.9987	98.55
12.5	301,925,789	302,386	0.0010	0.9990	98.42
13.5	306,754,668	442,048	0.0014	0.9986	98.32
14.5	303,966,395	960,937	0.0032	0.9968	98.18
15.5	302,181,613	573,233	0.0019	0.9981	97.87
16.5	304,033,417	26,493	0.0001	0.9999	97.69
17.5	302,599,419	115,644	0.0004	0.9996	97.69
18.5	300,499,401	9,508	0.0000	1.0000	97.64
19.5	253,622,616	104,731	0.0004	0.9996	97.64
20.5	255,122,854	310,892	0.0012	0.9988	97.60
21.5	253,695,700	242,318	0.0010	0.9990	97.48
22.5	251,611,623	205,750	0.0008	0.9992	97.39
23.5	247,301,288	544,897	0.0022	0.9978	97.31
24.5	246,024,690	342,525	0.0014	0.9986	97.09
25.5	250,276,719	47,432	0.0002	0.9998	96.96
26.5	247,131,854	172,456	0.0007	0.9993	96.94
27.5	143,888,141	159,143	0.0011	0.9989	96.87
28.5	147,987,914	355,792	0.0024	0.9976	96.76
29.5	153,951,061	215,544	0.0014	0.9986	96.53
30.5	146,352,264	923,828	0.0063	0.9937	96.40
31.5	165,702,430	804,907	0.0049	0.9951	95.79
32.5	159,968,682	882,501	0.0055	0.9945	95.32
33.5	117,533,376	346,114	0.0029	0.9971	94.80
34.5	101,219,524	22,276	0.0002	0.9998	94.52
35.5	75,123,120	162,904	0.0022	0.9978	94.50
36.5	72,720,653	168,210	0.0023	0.9977	94.29
37.5	52,400,270	48,803	0.0009	0.9991	94.07
38.5	51,760,331	199,737	0.0039	0.9961	93.99

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETWT RATIO	SURV RATIO	FCT SURV BEGIN OF INTERVAL
39.5	50,759,340	71,655	0.0014	0.9986	93.62
40.5	59,773,651	67,352	0.0011	0.9989	93.49
41.5	48,799,713	52,860	0.0011	0.9989	93.39
42.5	37,753,327	28,313	0.0007	0.9993	93.28
43.5	39,565,374	153,984	0.0039	0.9961	93.21
44.5	38,763,831	34,661	0.0009	0.9991	92.85
45.5	25,049,516	367	0.0000	1.0000	92.77
46.5	19,660,184	4,059	0.0002	0.9998	92.77
47.5	17,350,403		0.0000	1.0000	92.75
48.5	18,884,659	12,026	0.0006	0.9994	92.75
49.5	14,777,933	780	0.0001	0.9999	92.69
50.5	12,572,660		0.0000	1.0000	92.68
51.5	14,387,257	520	0.0000	1.0000	92.68
52.5	14,353,696		0.0000	1.0000	92.68
53.5	9,449,870	742	0.0001	0.9999	92.68
54.5	9,449,128		0.0000	1.0000	92.67
55.5	9,448,869		0.0000	1.0000	92.67
56.5	11,398,967		0.0000	1.0000	92.67
57.5	8,011,280		0.0000	1.0000	92.67
58.5	6,058,719		0.0000	1.0000	92.67
59.5	5,183,043		0.0000	1.0000	92.67
60.5	6,822,233		0.0000	1.0000	92.67
61.5	1,639,190		0.0000	1.0000	92.67
62.5					92.67

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES





LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1952-2017		EXPERIENCE BAND 1952-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	2,707,403,260		0.0000	1.0000	100.00
0.5	2,786,788,448	480,543	0.0002	0.9998	100.00
1.0	2,496,902,335	459,995	0.0002	0.9998	99.98
1.5	2,034,247,806	2,784,110	0.0014	0.9986	99.96
2.0	1,641,604,797	9,178,033	0.0056	0.9944	99.83
2.5	1,625,713,704	2,461,291	0.0015	0.9985	99.27
3.0	1,597,031,546	23,294,055	0.0146	0.9854	99.12
3.5	1,387,627,088	8,515,928	0.0061	0.9939	97.67
4.0	1,365,575,017	7,947,117	0.0058	0.9942	97.07
4.5	1,346,035,869	15,972,048	0.0119	0.9881	96.51
5.0					
5.5	1,309,538,234	3,477,128	0.0027	0.9973	95.16
6.0	1,292,455,770	10,006,538	0.0077	0.9923	95.11
6.5	1,141,263,298	17,102,402	0.0150	0.9850	94.37
7.0	1,165,078,871	6,765,447	0.0058	0.9942	92.96
7.5	1,112,424,783	6,108,869	0.0055	0.9945	92.42
8.0	996,543,673	10,532,081	0.0106	0.9894	91.91
8.5	944,208,964	10,067,959	0.0107	0.9853	90.94
9.0	854,087,806	3,264,975	0.0038	0.9962	89.97
9.5	804,655,610	1,806,544	0.0022	0.9978	89.63
10.0	781,911,651	3,020,063	0.0039	0.9961	89.43
10.5					
11.0	688,102,549	9,050,349	0.0132	0.9868	89.08
11.5	663,038,004	9,839,679	0.0148	0.9852	87.91
12.0	643,227,514	6,834,499	0.0106	0.9894	86.60
12.5	622,421,817	3,445,702	0.0055	0.9945	85.68
13.0	618,425,602	9,729,864	0.0157	0.9843	85.21
13.5	632,438,066	2,383,499	0.0038	0.9962	83.87
14.0	608,517,008	3,113,542	0.0051	0.9949	83.55
14.5	597,073,047	3,745,518	0.0063	0.9937	83.13
15.0	389,549,779	6,354,700	0.0163	0.9837	82.60
15.5	349,643,011	3,670,672	0.0105	0.9895	81.26
16.0					
16.5	329,365,571	3,059,498	0.0093	0.9907	80.40
17.0	302,955,630	2,466,111	0.0081	0.9919	79.66
17.5	363,863,653	3,964,515	0.0109	0.9891	79.01
18.0	358,028,935	1,764,860	0.0049	0.9951	78.15
18.5	238,534,731	873,288	0.0037	0.9963	77.76
19.0	210,542,217	766,406	0.0036	0.9964	77.48
19.5	145,012,400	2,539,641	0.0175	0.9825	77.20
20.0	131,635,520	1,405,879	0.0107	0.9893	75.84
20.5	77,236,617	453,560	0.0059	0.9941	75.03
21.0	69,454,950	622,220	0.0090	0.9910	74.59

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 312 BOILER PLANT EQUIPMENT  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1952-2017			EXPERIENCE BAND 1952-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,714,895	1,866,440	0.0280	0.9720	73.93
40.5	82,786,523	885,562	0.0107	0.9893	71.86
41.5	64,352,766	238,846	0.0037	0.9963	71.09
42.5	46,664,686	236,847	0.0051	0.9949	70.82
43.5	46,472,660	464,722	0.0100	0.9900	70.47
44.5	45,776,591	91,243	0.0020	0.9980	69.76
45.5	23,628,143	24,448	0.0010	0.9990	69.62
46.5	13,741,476	122,993	0.0090	0.9910	69.55
47.5	13,514,219	5,147	0.0004	0.9996	68.93
48.5	13,045,421	8,777	0.0007	0.9993	68.90
49.5	7,581,647	52,002	0.0069	0.9931	68.85
50.5	7,572,305	279	0.0000	1.0000	68.38
51.5	7,572,026	785	0.0001	0.9999	68.38
52.5	7,571,240	6,004	0.0008	0.9992	68.37
53.5	1,511,128		0.0000	1.0000	68.32
54.5	1,495,372	561	0.0004	0.9996	68.32
55.5	1,494,811		0.0000	1.0000	68.29
56.5	1,494,811	1,471	0.0010	0.9990	68.29
57.5	985,103		0.0000	1.0000	68.23
58.5	985,103		0.0000	1.0000	68.23
59.5	865,017		0.0000	1.0000	68.23
60.5	865,017		0.0000	1.0000	68.23
61.5					68.23

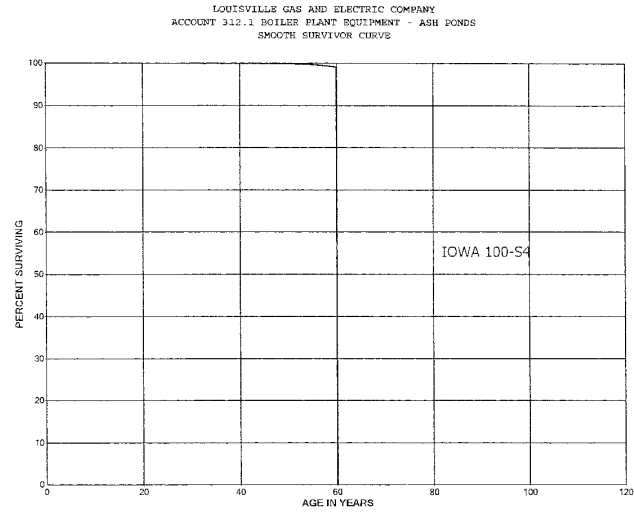
LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

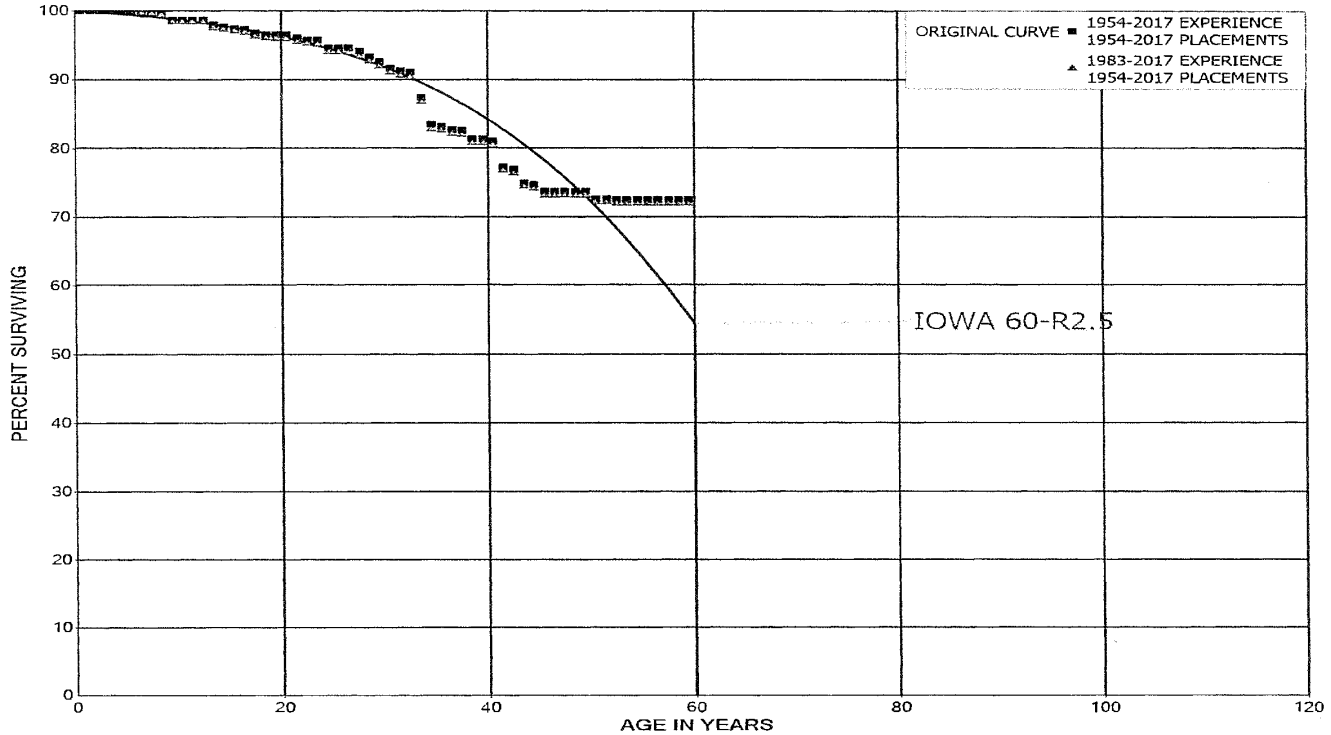
PLACEMENT BAND 1952-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	2,342,384,105		0.0000	1.0000	100.00
0.5	2,539,836,114	480,091	0.0002	0.9998	100.00
1.5	2,282,939,329	455,315	0.0002	0.9998	99.98
2.5	1,848,098,592	2,763,663	0.0015	0.9985	99.96
3.5	1,457,222,565	7,959,487	0.0052	0.9945	99.81
4.5	1,510,194,596	2,428,865	0.0016	0.9984	99.27
5.5	1,490,372,937	23,108,720	0.0155	0.9845	99.11
6.5	1,288,359,669	8,180,300	0.0063	0.9937	97.57
7.5	1,267,598,995	7,357,353	0.0058	0.9942	96.95
8.5	1,270,068,031	15,869,461	0.0125	0.9875	96.39
9.5	1,234,179,031	3,312,061	0.0027	0.9973	95.18
10.5	1,243,527,076	9,948,030	0.0080	0.9920	94.93
11.5	1,092,532,426	17,011,795	0.0156	0.9844	94.17
12.5	1,117,288,154	6,703,994	0.0060	0.9940	92.70
13.5	1,077,746,565	5,844,741	0.0054	0.9946	92.15
14.5	962,717,703	10,444,170	0.0108	0.9892	91.65
15.5	911,185,667	10,037,467	0.0110	0.9890	90.65
16.5	829,695,245	3,228,593	0.0039	0.9961	89.65
17.5	780,310,791	1,806,544	0.0023	0.9977	89.30
18.5	757,829,447	3,012,855	0.0040	0.9960	89.10
19.5	664,068,002	9,035,445	0.0136	0.9864	88.74
20.5	646,762,999	9,775,743	0.0151	0.9849	87.54
21.5	627,052,202	6,826,696	0.0109	0.9891	86.21
22.5	606,263,511	3,438,644	0.0057	0.9943	85.27
23.5	602,322,517	9,729,864	0.0162	0.9838	84.79
24.5	622,207,323	2,383,499	0.0038	0.9962	83.42
25.5	598,330,614	3,101,829	0.0052	0.9948	83.10
26.5	591,734,975	3,738,271	0.0063	0.9937	82.67
27.5	384,218,954	6,351,743	0.0165	0.9835	82.15
28.5	349,603,011	3,670,672	0.0105	0.9895	80.79
29.5	329,325,571	3,059,498	0.0093	0.9907	79.94
30.5	302,955,630	2,466,111	0.0081	0.9919	79.20
31.5	363,863,653	3,964,515	0.0109	0.9891	78.55
32.5	358,028,935	1,764,860	0.0049	0.9951	77.70
33.5	238,534,731	873,288	0.0037	0.9963	77.32
34.5	210,542,217	766,406	0.0036	0.9964	77.03
35.5	145,012,400	2,539,641	0.0175	0.9825	76.75
36.5	131,635,520	1,405,679	0.0107	0.9893	75.41
37.5	77,236,617	453,560	0.0059	0.9941	74.60
38.5	69,454,950	622,220	0.0090	0.9910	74.16

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1952-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,714,895	1,866,440	0.0280	0.9720	73.50
40.5	82,786,523	885,562	0.0107	0.9893	71.44
41.5	64,352,766	238,846	0.0037	0.9963	70.68
42.5	46,664,686	236,847	0.0051	0.9949	70.42
43.5	46,472,660	464,722	0.0100	0.9900	70.06
44.5	45,776,591	91,243	0.0020	0.9980	69.36
45.5	23,628,143	24,448	0.0010	0.9990	69.22
46.5	13,741,476	122,993	0.0090	0.9910	69.15
47.5	13,514,219	5,147	0.0004	0.9996	68.53
48.5	13,045,421	8,777	0.0007	0.9993	68.50
49.5	7,581,647	52,002	0.0069	0.9931	68.46
50.5	7,572,305	279	0.0000	1.0000	67.99
51.5	7,572,026	785	0.0001	0.9999	67.99
52.5	7,571,240	6,004	0.0008	0.9992	67.98
53.5	1,511,128		0.0000	1.0000	67.93
54.5	1,495,372	561	0.0004	0.9996	67.93
55.5	1,494,811		0.0000	1.0000	67.90
56.5	1,494,811	1,471	0.0010	0.9990	67.90
57.5	985,103		0.0000	1.0000	67.83
58.5	985,103		0.0000	1.0000	67.83
59.5	865,017		0.0000	1.0000	67.83
60.5	865,017		0.0000	1.0000	67.83
61.5					67.83



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	324,465,122		0.0000	1.0000	100.00
0.5	321,442,753		0.0000	1.0000	100.00
1.5	320,172,085	80,613	0.0003	0.9997	100.00
2.5	302,346,521		0.0000	1.0000	99.97
3.5	285,207,567	7,908	0.0000	1.0000	99.97
4.5	275,038,355	81,235	0.0003	0.9997	99.97
5.5	263,816,397	649,485	0.0025	0.9975	99.94
6.5	239,302,171	239,951	0.0010	0.9990	99.70
7.5	225,390,056	276,808	0.0012	0.9988	99.60
8.5	238,942,165	2,084,160	0.0087	0.9913	99.47
9.5	232,416,743	9,300	0.0000	1.0000	98.61
10.5	216,941,493	12,000	0.0001	0.9999	98.60
11.5	214,968,633	26,735	0.0001	0.9999	98.60
12.5	207,738,776	1,447,108	0.0070	0.9930	98.58
13.5	205,143,229	563,930	0.0027	0.9973	97.90
14.5	202,356,885	416,559	0.0021	0.9979	97.63
15.5	199,378,557	376,332	0.0019	0.9981	97.43
16.5	196,906,452	975,050	0.0050	0.9950	97.24
17.5	195,843,641	463,230	0.0024	0.9976	96.76
18.5	173,523,090	77,984	0.0004	0.9996	96.53
19.5	166,929,977	27,206	0.0002	0.9998	96.49
20.5	164,758,392	764,781	0.0046	0.9954	96.47
21.5	166,497,687	429,680	0.0026	0.9974	96.03
22.5	166,234,970	143,253	0.0009	0.9991	95.78
23.5	166,531,081	1,846,543	0.0111	0.9889	95.70
24.5	160,365,696	21,006	0.0001	0.9999	94.64
25.5	159,361,227	74,875	0.0005	0.9995	94.62
26.5	157,013,646	698,722	0.0045	0.9955	94.58
27.5	112,990,044	989,623	0.0088	0.9912	94.16
28.5	111,965,622	925,378	0.0083	0.9917	93.33
29.5	107,064,910	1,044,725	0.0098	0.9902	92.56
30.5	105,922,634	455,230	0.0043	0.9957	91.66
31.5	128,848,366	277,652	0.0022	0.9978	91.26
32.5	128,039,838	5,159,144	0.0403	0.9597	91.07
33.5	89,284,970	4,030,531	0.0451	0.9549	87.40
34.5	85,241,172	253,886	0.0030	0.9970	83.45
35.5	66,460,996	365,931	0.0055	0.9945	83.20
36.5	57,742,285	97,824	0.0017	0.9983	82.75
37.5	44,695,374	667,693	0.0149	0.9851	82.61
38.5	44,027,084		0.0000	1.0000	81.37

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1954-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	41,730,465	163,243	0.0039	0.9961	81.37
40.5	51,543,789	2,365,992	0.0459	0.9541	81.05
41.5	40,191,354	219,895	0.0055	0.9945	77.33
42.5	29,949,592	758,365	0.0253	0.9747	76.91
43.5	28,052,309	97,844	0.0035	0.9965	74.96
44.5	27,897,125	377,326	0.0135	0.9865	74.70
45.5	17,954,759		0.0000	1.0000	73.69
46.5	11,406,916	2,639	0.0002	0.9998	73.69
47.5	11,404,278		0.0000	1.0000	73.67
48.5	11,403,622		0.0000	1.0000	73.67
49.5	6,081,646	84,973	0.0140	0.9860	73.67
50.5	6,039,903		0.0000	1.0000	72.64
51.5	6,038,207	14,204	0.0024	0.9976	72.64
52.5	6,010,646		0.0000	1.0000	72.47
53.5	686,900		0.0000	1.0000	72.47
54.5	686,900		0.0000	1.0000	72.47
55.5	686,900		0.0000	1.0000	72.47
56.5	686,900		0.0000	1.0000	72.47
57.5	119,080		0.0000	1.0000	72.47
58.5	119,080		0.0000	1.0000	72.47
59.5	105,161		0.0000	1.0000	72.47
60.5	105,161		0.0000	1.0000	72.47
61.5					72.47

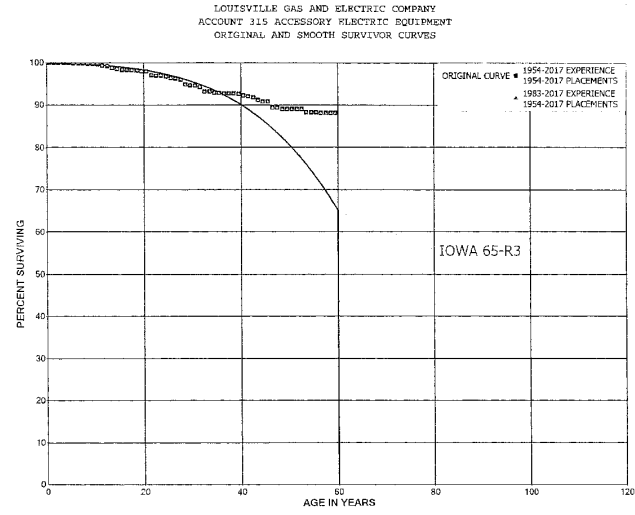


LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGN OF INTERVAL
0.0	206,231,210		0.0000	1.0000	100.00
0.5	238,780,231		0.0000	1.0000	100.00
1.5	237,561,182	80,613	0.0003	0.9997	100.00
2.5	219,736,293		0.0000	1.0000	99.97
3.5	212,517,674	7,393	0.0000	1.0000	99.97
4.5	217,298,623	80,885	0.0004	0.9996	99.96
5.5	206,138,930	647,208	0.0031	0.9969	99.93
6.5	181,632,394	236,900	0.0013	0.9987	99.61
7.5	167,886,886	271,634	0.0016	0.9984	99.48
8.5	195,225,857	2,064,160	0.0106	0.9894	99.32
9.5	188,752,140	5,000	0.0000	1.0000	98.27
10.5	184,794,813	12,000	0.0001	0.9999	98.27
11.5	182,879,293	24,908	0.0001	0.9999	98.26
12.5	175,671,545	1,446,525	0.0082	0.9918	98.25
13.5	181,255,481	563,930	0.0031	0.9969	97.44
14.5	178,469,137	403,559	0.0023	0.9977	97.14
15.5	175,510,366	376,332	0.0021	0.9979	96.92
16.5	178,677,070	975,050	0.0055	0.9945	96.71
17.5	177,777,699	463,230	0.0026	0.9974	96.18
18.5	155,459,561	77,984	0.0005	0.9995	95.93
19.5	148,880,109	24,446	0.0002	0.9998	95.88
20.5	152,424,605	764,781	0.0050	0.9950	95.87
21.5	154,163,900	414,680	0.0027	0.9973	95.39
22.5	153,955,417	143,253	0.0009	0.9991	95.13
23.5	154,251,528	1,843,230	0.0119	0.9881	95.04
24.5	152,874,000	21,006	0.0001	0.9999	93.90
25.5	151,869,531	66,171	0.0004	0.9996	93.89
26.5	153,365,215	698,722	0.0046	0.9954	93.85
27.5	109,341,613	989,623	0.0091	0.9909	93.42
28.5	111,965,622	925,378	0.0083	0.9917	92.58
29.5	107,064,910	1,044,725	0.0098	0.9902	91.81
30.5	105,922,634	455,230	0.0043	0.9957	90.92
31.5	128,848,366	277,652	0.0022	0.9978	90.53
32.5	128,039,838	5,159,144	0.0403	0.9597	90.33
33.5	89,284,970	4,030,531	0.0451	0.9549	86.69
34.5	85,241,172	253,886	0.0030	0.9970	82.78
35.5	66,460,996	365,931	0.0055	0.9945	82.53
36.5	57,742,285	97,824	0.0017	0.9983	82.08
37.5	44,685,374	667,693	0.0149	0.9851	81.94
38.5	44,027,084		0.0000	1.0000	80.71

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	41,730,465	163,243	0.0039	0.9961	80.71
40.5	51,543,789	2,365,992	0.0459	0.9541	80.40
41.5	40,191,354	219,895	0.0055	0.9945	76.71
42.5	29,949,592	758,365	0.0253	0.9747	76.29
43.5	28,052,309	97,844	0.0035	0.9965	74.36
44.5	27,897,125	377,326	0.0135	0.9865	74.10
45.5	17,954,759		0.0000	1.0000	73.09
46.5	11,406,915	2,639	0.0002	0.9998	73.09
47.5	11,404,278		0.0000	1.0000	73.08
48.5	11,403,622		0.0000	1.0000	73.08
49.5	6,081,646	84,973	0.0140	0.9860	73.08
50.5	6,039,903		0.0000	1.0000	72.06
51.5	6,038,207	14,204	0.0024	0.9976	72.06
52.5	6,019,646		0.0000	1.0000	71.89
53.5	686,900		0.0000	1.0000	71.89
54.5	686,900		0.0000	1.0000	71.89
55.5	686,900		0.0000	1.0000	71.89
56.5	686,900		0.0000	1.0000	71.89
57.5	119,080		0.0000	1.0000	71.89
58.5	119,080		0.0000	1.0000	71.89
59.5	105,161		0.0000	1.0000	71.89
60.5	105,161		0.0000	1.0000	71.89
61.5					71.89



LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
 ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	244,804,240		0.0000	1.0000	100.00
0.5	242,771,960	298	0.0000	1.0000	100.00
1.0	217,683,499	2,203	0.0000	1.0000	100.00
2.0	191,841,217	45,128	0.0002	0.9998	100.00
3.0	184,708,738	146,910	0.0008	0.9992	99.98
4.0	184,949,470	35,225	0.0002	0.9998	99.90
5.0	182,179,576	110,294	0.0006	0.9994	99.88
6.0	171,553,573	33,426	0.0002	0.9998	99.82
7.0	171,827,575	76,726	0.0004	0.9996	99.80
8.0	171,110,027	155,507	0.0009	0.9991	99.75
9.0	172,040,461	25,524	0.0001	0.9999	99.66
10.0	171,753,134	627,461	0.0037	0.9963	99.65
11.0	170,885,459	142,581	0.0008	0.9992	99.28
12.0	170,486,420	743,699	0.0044	0.9956	99.20
13.0	170,635,690	385,262	0.0023	0.9977	98.77
14.0	170,403,883	403,792	0.0024	0.9976	98.54
15.0	171,152,648	101,392	0.0006	0.9994	98.31
16.0	170,423,057	174,686	0.0010	0.9990	98.25
17.0	159,832,153	31,390	0.0002	0.9998	98.15
18.0	150,234,924	261,684	0.0017	0.9983	98.13
19.0	137,075,168	22,428	0.0002	0.9998	97.96
20.0	134,267,805	1,139,752	0.0085	0.9915	97.95
21.0	133,153,573	160,604	0.0012	0.9988	97.11
22.0	132,157,715	70,910	0.0005	0.9995	97.00
23.0	127,622,354	299,331	0.0023	0.9977	96.94
24.0	126,114,214	463,342	0.0037	0.9963	96.72
25.0	126,648,924	38,689	0.0003	0.9997	96.36
26.0	127,266,160	479,074	0.0038	0.9962	96.13
27.0	80,142,525	922,930	0.0115	0.9885	95.97
28.0	79,408,524	180,618	0.0023	0.9977	94.86
29.0	79,548,168	15,097	0.0002	0.9998	94.65
30.0	79,392,955	350,347	0.0044	0.9956	94.63
31.0	92,392,413	1,030,494	0.0110	0.9890	94.21
32.0	91,838,075	48,886	0.0005	0.9995	93.17
33.0	67,761,230	174,945	0.0026	0.9974	93.12
34.0	60,041,813	49,609	0.0008	0.9992	92.88
35.0	39,249,588	13,132	0.0003	0.9997	92.82
36.0	35,407,211	23,441	0.0007	0.9993	92.78
37.0	21,803,473		0.0000	1.0000	92.71
38.0	20,568,393	19,693	0.0010	0.9990	92.71

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	19,583,717	67,907	0.0035	0.9965	92.63
40.5	23,157,622	61,581	0.0027	0.9973	92.30
41.5	19,331,225	54,105	0.0028	0.9972	92.06
42.5	13,893,773	91,521	0.0066	0.9934	91.80
43.5	13,197,572	50,739	0.0038	0.9962	91.20
44.5	13,135,696	4,700	0.0004	0.9996	90.85
45.5	8,766,294	142,139	0.0152	0.9838	90.81
46.5	6,853,073		0.0000	1.0000	89.34
47.5	6,826,685	24,111	0.0035	0.9965	89.34
48.5	6,507,783	14	0.0000	1.0000	89.03
49.5	5,361,890	784	0.0001	0.9999	89.03
50.5	5,351,625		0.0000	1.0000	89.01
51.5	5,019,222		0.0000	1.0000	89.01
52.5	5,017,566	39,155	0.0078	0.9922	89.01
53.5	3,779,505		0.0000	1.0000	88.32
54.5	3,778,777		0.0000	1.0000	88.32
55.5	3,777,980	7,356	0.0019	0.9981	88.32
56.5	3,770,124		0.0000	1.0000	88.15
57.5	3,010,822		0.0000	1.0000	88.15
58.5	3,010,307		0.0000	1.0000	88.15
59.5	1,777,553		0.0000	1.0000	88.15
60.5	1,776,132		0.0000	1.0000	88.15
61.5					88.15

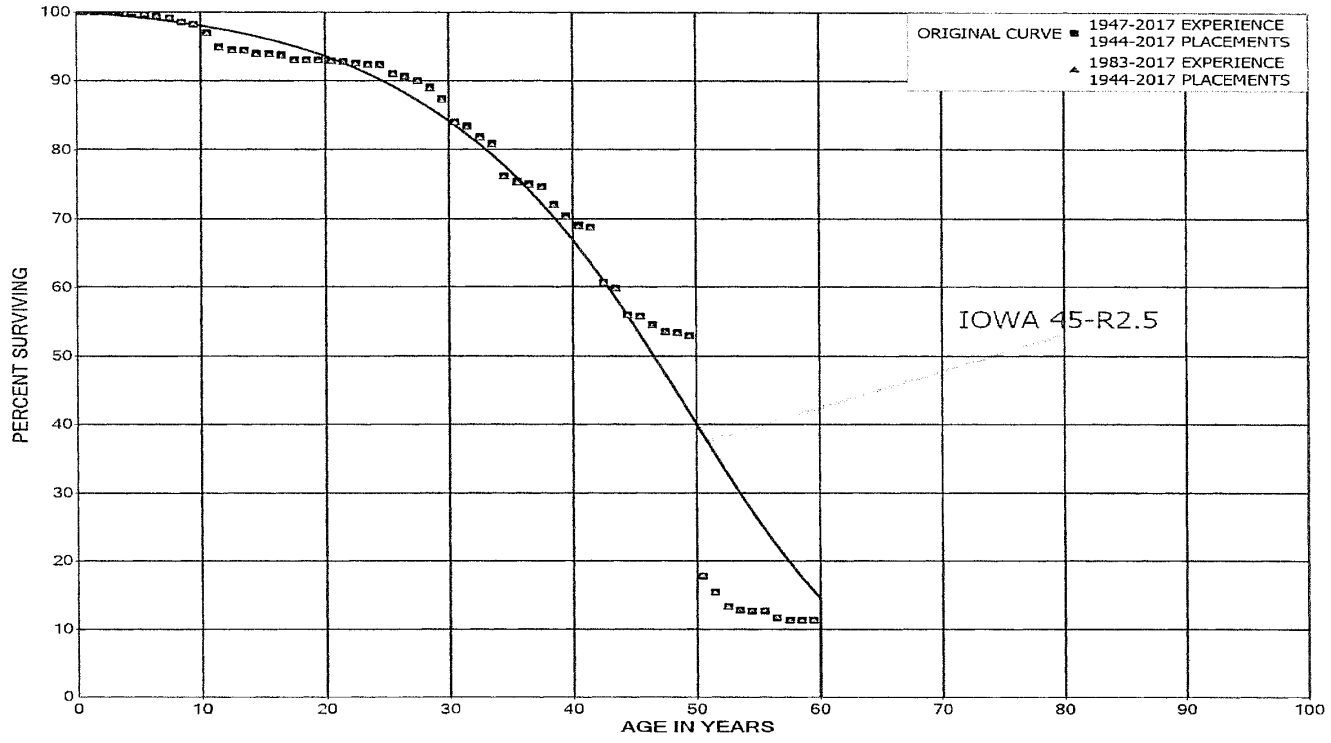
LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	168,711,841		0.0000	1.0000	100.00
0.5	188,887,780		0.0000	1.0000	100.00
1.5	171,029,352		0.0000	1.0000	100.00
2.5	152,292,152	9,990	0.0001	0.9999	100.00
3.5	145,411,691	139,025	0.0010	0.9990	99.99
4.5	159,452,943	26,346	0.0002	0.9998	99.90
5.5	157,948,762	48,969	0.0003	0.9997	99.88
6.5	148,972,884	32,001	0.0002	0.9998	99.85
7.5	148,733,580	8,046	0.0001	0.9999	99.83
8.5	153,989,438	152,241	0.0010	0.9990	99.82
9.5	155,168,564	22,970	0.0001	0.9999	99.72
10.5	160,756,184	623,978	0.0039	0.9961	99.71
11.5	159,903,130	138,751	0.0009	0.9991	99.32
12.5	159,530,922	743,699	0.0047	0.9953	99.24
13.5	162,225,403	385,262	0.0024	0.9976	99.77
14.5	162,067,467	401,852	0.0025	0.9975	98.54
15.5	163,161,950	96,947	0.0006	0.9994	98.30
16.5	164,008,960	172,466	0.0011	0.9989	98.24
17.5	153,431,168	11,418	0.0001	0.9999	98.13
18.5	143,885,967	239,303	0.0017	0.9983	98.13
19.5	130,750,248	17,890	0.0001	0.9999	97.96
20.5	129,182,497	1,129,337	0.0087	0.9913	97.95
21.5	128,085,352	160,604	0.0013	0.9987	97.09
22.5	127,118,785	70,910	0.0006	0.9994	96.97
23.5	122,583,923	299,331	0.0024	0.9976	96.92
24.5	122,064,097	463,342	0.0038	0.9962	96.68
25.5	122,599,321	38,689	0.0003	0.9997	96.31
26.5	125,010,393	479,074	0.0038	0.9962	96.28
27.5	77,888,179	922,686	0.0118	0.9882	95.91
28.5	79,408,524	180,618	0.0023	0.9977	94.78
29.5	79,548,168	15,097	0.0002	0.9998	94.56
30.5	79,392,955	350,347	0.0044	0.9956	94.54
31.5	93,292,413	1,030,494	0.0110	0.9890	94.13
32.5	91,838,075	48,886	0.0005	0.9995	93.09
33.5	67,761,230	174,945	0.0026	0.9974	93.04
34.5	60,041,813	49,609	0.0008	0.9992	92.80
35.5	39,249,588	13,132	0.0003	0.9997	92.72
36.5	35,407,211	23,441	0.0007	0.9993	92.69
37.5	21,803,473		0.0000	1.0000	92.63
38.5	20,568,393	19,693	0.0010	0.9990	92.63

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	19,583,717	67,907	0.0035	0.9965	92.54
40.5	23,157,622	61,581	0.0027	0.9973	92.22
41.5	19,331,225	54,105	0.0028	0.9972	91.98
42.5	13,893,773	91,521	0.0066	0.9934	91.72
43.5	13,197,572	50,733	0.0038	0.9962	91.11
44.5	13,135,696	4,700	0.0004	0.9996	90.76
45.5	8,766,294	142,139	0.0162	0.9838	90.73
46.5	6,853,073		0.0000	1.0000	89.26
47.5	6,826,685	24,111	0.0035	0.9965	89.26
48.5	6,507,783	14	0.0000	1.0000	88.94
49.5	5,361,890	784	0.0001	0.9999	88.94
50.5	5,351,626		0.0000	1.0000	88.93
51.5	5,019,222		0.0000	1.0000	88.93
52.5	5,017,566	39,155	0.0078	0.9922	88.93
53.5	3,779,505		0.0000	1.0000	88.24
54.5	3,778,777		0.0000	1.0000	88.24
55.5	3,777,980	7,356	0.0019	0.9981	88.24
56.5	3,770,124		0.0000	1.0000	88.07
57.5	3,010,822		0.0000	1.0000	88.07
58.5	3,010,307		0.0000	1.0000	88.07
59.5	1,777,553		0.0000	1.0000	88.07
60.5	1,776,132		0.0000	1.0000	88.07
61.5					88.07

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES





LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1944-2017		EXPERIENCE BAND 1947-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	25,606,433		0.0000	1.0000	100.00
0.5	23,449,651	677	0.0000	1.0000	100.00
1.0	22,742,532	2,120	0.0001	0.9999	100.00
1.5	22,033,998	8,003	0.0004	0.9996	99.99
2.0	19,689,372	16,984	0.0009	0.9991	99.95
2.5	18,199,357	53,501	0.0029	0.9971	99.87
3.0	17,943,293	47,151	0.0026	0.9974	99.57
3.5	15,301,466	36,381	0.0024	0.9976	99.31
4.0	14,236,241	76,162	0.0055	0.9945	99.07
4.5	13,526,831	42,779	0.0032	0.9968	98.53
5.0	13,114,929	171,050	0.0130	0.9870	98.22
5.5	12,199,852	250,426	0.0205	0.9795	96.94
6.0	11,162,508	49,169	0.0044	0.9956	94.95
6.5	11,021,319	10,549	0.0010	0.9990	94.53
7.0	11,033,378	59,572	0.0054	0.9946	94.44
7.5	10,178,590	1,701	0.0002	0.9998	93.93
8.0	9,716,552	21,657	0.0022	0.9978	93.91
8.5	9,220,848	70,908	0.0077	0.9923	93.70
9.0	8,846,541	2,730	0.0003	0.9997	92.98
9.5	8,097,719	1,595	0.0002	0.9998	92.95
10.0	7,805,381	9,507	0.0012	0.9988	92.94
10.5	7,495,233	5,560	0.0007	0.9993	92.82
11.0	7,142,077	21,184	0.0030	0.9970	92.75
11.5	6,669,099	11,649	0.0017	0.9983	92.48
12.0	6,304,898	1	0.0000	1.0000	92.32
12.5	5,950,420	85,520	0.0144	0.9856	92.32
13.0	5,627,219	22,195	0.0039	0.9961	90.99
13.5	4,600,598	31,595	0.0069	0.9931	90.63
14.0	2,785,994	28,437	0.0102	0.9898	90.01
14.5	2,644,496	49,674	0.0188	0.9812	89.09
15.0	2,436,080	92,039	0.0378	0.9622	87.42
15.5	2,199,934	16,848	0.0077	0.9923	84.11
16.0	1,940,772	35,692	0.0184	0.9816	83.47
16.5	1,836,909	22,609	0.0123	0.9877	81.94
17.0	1,648,336	96,562	0.0586	0.9414	80.93
17.5	1,427,499	15,297	0.0107	0.9893	76.19
18.0	1,381,645	5,601	0.0041	0.9959	75.37
18.5	1,309,084	7,097	0.0054	0.9946	75.06
19.0	1,256,915	42,800	0.0341	0.9659	74.66
19.5	1,176,347	28,818	0.0245	0.9755	72.11

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1944-2017			EXPERIENCE BAND 1947-2017		
AGE AT BEGN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REIWT RATIO	SURV RATIO	PCT SURV BEGN OF INTERVAL
39.5	898,521	16,823	0.0187	0.9813	70.35
40.5	846,796	3,802	0.0045	0.9955	69.03
41.5	801,188	93,212	0.1163	0.8837	68.72
42.5	679,520	9,738	0.0143	0.9857	60.73
43.5	633,248	40,974	0.0647	0.9353	59.86
44.5	522,935	1,904	0.0036	0.9964	55.98
45.5	195,523	4,501	0.0230	0.9770	55.78
46.5	190,353	3,272	0.0172	0.9828	54.49
47.5	187,081	485	0.0026	0.9974	53.56
48.5	186,596	1,799	0.0096	0.9904	53.42
49.5	184,798	122,826	0.6647	0.3353	52.90
50.5	61,972	8,187	0.1321	0.8679	17.74
51.5	53,784	7,531	0.1400	0.8600	15.40
52.5	46,254	1,724	0.0373	0.9627	13.24
53.5	44,530	323	0.0073	0.9927	12.75
54.5	44,207		0.0000	1.0000	12.66
55.5	43,278	3,518	0.0813	0.9187	12.66
56.5	39,760	1,288	0.0324	0.9676	11.63
57.5	38,472		0.0000	1.0000	11.25
58.5	38,270		0.0000	1.0000	11.25
59.5	37,214		0.0000	1.0000	11.25
60.5	29,806		0.0000	1.0000	11.25
61.5	29,104		0.0000	1.0000	11.25
62.5	28,982		0.0000	1.0000	11.25
63.5	28,982		0.0000	1.0000	11.25
64.5	28,871		0.0000	1.0000	11.25
65.5	20,131		0.0000	1.0000	11.25
66.5	3,223		0.0000	1.0000	11.25
67.5	1,634		0.0000	1.0000	11.25
68.5	277		0.0000	1.0000	11.25
69.5	277		0.0000	1.0000	11.25
70.5	277		0.0000	1.0000	11.25
71.5					11.25

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1944-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	23,110,214		0.0000	1.0000	100.00
0.5	21,401,848		0.0000	1.0000	100.00
1.5	20,889,711		0.0000	1.0000	100.00
2.5	20,273,809	7,218	0.0004	0.9996	100.00
3.5	17,987,979	16,306	0.0009	0.9991	99.96
4.5	16,793,057	51,430	0.0031	0.9969	99.87
5.5	16,588,877	45,894	0.0028	0.9972	99.57
6.5	13,956,939	32,962	0.0024	0.9976	99.29
7.5	12,916,752	75,236	0.0058	0.9942	99.06
8.5	12,282,707	39,234	0.0032	0.9968	98.48
9.5	11,980,818	170,665	0.0142	0.9858	98.17
10.5	11,486,714	250,426	0.0218	0.9782	96.77
11.5	10,492,850	49,169	0.0047	0.9953	94.66
12.5	10,377,627	10,199	0.0010	0.9990	94.21
13.5	10,413,326	53,523	0.0051	0.9949	94.12
14.5	9,584,186	1,701	0.0002	0.9998	93.64
15.5	9,160,044	21,106	0.0023	0.9977	93.62
16.5	8,770,665	64,901	0.0074	0.9926	93.41
17.5	8,404,157		0.0000	1.0000	92.71
18.5	7,674,439	624	0.0001	0.9999	92.71
19.5	7,392,279	9,255	0.0013	0.9987	92.71
20.5	7,154,137	5,560	0.0008	0.9992	92.59
21.5	6,806,689	21,184	0.0031	0.9969	92.52
22.5	6,336,670	11,649	0.0018	0.9982	92.23
23.5	5,972,999	1	0.0000	1.0000	92.06
24.5	5,664,417	78,020	0.0138	0.9862	92.06
25.5	5,348,716	22,195	0.0041	0.9959	90.79
26.5	4,342,198	31,595	0.0073	0.9927	90.42
27.5	2,528,162	28,437	0.0112	0.9888	89.76
28.5	2,644,296	49,674	0.0188	0.9812	88.75
29.5	2,435,880	92,039	0.0378	0.9622	87.08
30.5	2,199,734	16,848	0.0077	0.9923	83.79
31.5	1,940,572	35,692	0.0184	0.9816	83.15
32.5	1,836,709	22,609	0.0123	0.9877	81.62
33.5	1,648,136	96,562	0.0586	0.9414	80.62
34.5	1,427,299	15,297	0.0107	0.9893	75.89
35.5	1,381,445	5,601	0.0041	0.9959	75.08
36.5	1,309,084	7,097	0.0054	0.9946	74.78
37.5	1,256,915	42,800	0.0341	0.9659	74.37
38.5	1,176,347	28,818	0.0245	0.9755	71.84

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1944-2017			EXPERIENCE BAND 1983-2017		
AGE AT BRGTN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BRGIN OF INTERVAL
39.5	898,521	16,823	0.0187	0.9813	70.08
40.5	846,796	3,802	0.0045	0.9955	68.77
41.5	801,188	93,212	0.1163	0.8837	68.46
42.5	679,520	9,738	0.0143	0.9857	60.49
43.5	633,248	40,974	0.0647	0.9353	59.63
44.5	522,935	1,904	0.0036	0.9964	55.77
45.5	195,523	4,501	0.0230	0.9770	55.56
46.5	190,353	3,272	0.0172	0.9828	54.29
47.5	187,081	485	0.0026	0.9974	53.35
48.5	186,596	1,799	0.0096	0.9904	53.21
49.5	184,798	122,826	0.6647	0.3353	52.70
50.5	61,972	8,187	0.1321	0.8679	17.67
51.5	53,784	7,531	0.1400	0.8600	15.34
52.5	46,254	1,724	0.0373	0.9627	13.19
53.5	44,530	323	0.0073	0.9927	12.70
54.5	44,207		0.0000	1.0000	12.61
55.5	43,278	3,518	0.0813	0.9187	12.61
56.5	39,760	1,288	0.0324	0.9676	11.58
57.5	38,472		0.0000	1.0000	11.21
58.5	38,270		0.0000	1.0000	11.21
59.5	37,214		0.0000	1.0000	11.21
60.5	29,806		0.0000	1.0000	11.21
61.5	29,104		0.0000	1.0000	11.21
62.5	28,982		0.0000	1.0000	11.21
63.5	28,982		0.0000	1.0000	11.21
64.5	28,871		0.0000	1.0000	11.21
65.5	20,131		0.0000	1.0000	11.21
66.5	3,223		0.0000	1.0000	11.21
67.5	1,634		0.0000	1.0000	11.21
68.5	277		0.0000	1.0000	11.21
69.5	277		0.0000	1.0000	11.21
70.5	277		0.0000	1.0000	11.21
71.5					11.21

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**PART VIII. NET SALVAGE STATISTICS**

LOUISVILLE GAS AND ELECTRIC COMPANY  
 TABLE 2. CALCULATION OF WEIGHTED NET SAVINGS PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017

Account	Initial Net Salvage		Net Salvage (A)-(B)	Weighted Net Salvage		Net Salvage (C)-(D)	Total Net Salvage (E)-(F)	Total Investments (G)-(H)	Economic Net Savings (I)-(J)
	(A)	(B)		(C)	(D)				
STEAM PRODUCTION PLANT									
GENE RUM GENERATING STATION									
311 STRUCTURES AND IMPROVEMENTS	16,811,937	(1,643,304)	(16)	-	(25)	-	(1,669,143)	16,811,937	(16)
312 BUILDING EQUIPMENT	1,944,811	(288,000)	(15)	-	(24)	-	(316,800)	1,944,811	(15)
314 TURBOCOMPRESSOR PARTS	1,148,444	(114,614)	(10)	-	(13)	-	(114,614)	1,148,444	(10)
320 ACCESSORY ELECTRIC EQUIPMENT	1,121	(610)	(0)	-	(4)	-	(610)	1,121	(0)
316 MISCELLANEOUS POWER PLANT EQUIPMENT	428,122	(80,416)	(19)	-	(3)	-	(80,416)	428,122	(19)
TOTAL GENE RUM GENERATING STATION	20,514,435	(2,326,334)					(2,076,973)	20,514,435	
HILL GREEN GENERATING STATION									
311 STRUCTURES AND IMPROVEMENTS	144,717,354	(11,542,000)	(8)	4,177,313	(20)	(2,199,378)	(13,563,065)	144,814,744	(8)
312 BUILDING EQUIPMENT	1,371,290,493	(17,203,906)	(1)	231,748,403	(2)	(18,954,499)	(17,203,906)	1,511,645,286	(1)
314 TURBOCOMPRESSOR PARTS	113,148,148	(4,424,760)	(4)	20,900,000	(1)	(3,624,760)	(3,624,760)	113,148,148	(4)
320 ACCESSORY ELECTRIC EQUIPMENT	54,484,442	(8,813,140)	(1)	11,483,140	(1)	(8,813,140)	(8,813,140)	54,484,442	(1)
316 MISCELLANEOUS POWER PLANT EQUIPMENT	22,802,222	(372,120)	(0)	12,384,188	(0)	(22,802,222)	(22,802,222)	22,802,222	(0)
TOTAL HILL GREEN GENERATING STATION	235,663,217	(20,152,826)		38,942,644		(43,394,425)	(43,394,425)	235,663,217	
TRIMBLE COUNTY GENERATING STATION									
311 STRUCTURES AND IMPROVEMENTS	141,242,176	(14,115,796)	(1)	41,137,141	(2)	(3,342,112)	(17,460,767)	141,242,176	(1)
312 BUILDING EQUIPMENT	146,796,107	(12,037,446)	(0)	311,044,283	(2)	(12,342,312)	(12,342,312)	311,044,283	(0)
314 TURBOCOMPRESSOR PARTS	13,312,107	(4,704,741)	(0)	23,842,426	(1)	(4,941,168)	(4,941,168)	23,842,426	(0)
320 ACCESSORY ELECTRIC EQUIPMENT	12,479,481	(4,708,414)	(0)	22,107,074	(1)	(5,304,410)	(5,304,410)	22,107,074	(0)
316 MISCELLANEOUS POWER PLANT EQUIPMENT	1,370,326	(207,482)	(0)	1,474,124	(0)	(207,482)	(207,482)	1,474,124	(0)
TOTAL TRIMBLE COUNTY GENERATING STATION	175,198,297	(31,773,879)		107,592,124		(14,197,482)	(14,197,482)	175,198,297	
TOTAL STEAM PRODUCTION PLANT	4,202,000,463	(471,911,419)		225,491,456		(174,124,415)	(225,491,419)	4,202,000,463	

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 311 STRUCTURES AND IMPROVEMENTS  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1972	5,380	162	3		0	162-	3-
1973	9,301	0		775	8	775	8
1974	166,455	30,008	18	552	0	29,456-	18-
1975	4,816	2,201	46		0	2,201-	46-
1976	17,364	2,461	14	148	1	2,313-	13-
1977	9,993	3,390	34		0	3,390-	34-
1978	706		0		0	0	0
1979	35,088	9,102	26	1,550	4	7,552-	22-
1980	4,245		0		0	0	0
1981	336,223	1,656	0		0	1,656-	0
1982	3,566	335	9		0	335-	9-
1983	527,107	734	0	11	0	723-	0
1984	7,999,955	139,134	2		0	139,134-	2-
1985	27,301	57,960	212		0	57,960-	212-
1986	83,061	29,750	36	10,787	13	18,963-	23-
1987	125,887	20,183	16	69	0	20,114-	16-
1988	19,638		0		0	0	0
1989	4,499		0		0	0	0
1990							
1991	67,462	17,694	26		0	17,694-	26-
1992	141,612	1,588	1		0	1,588-	1-
1993	279,758	44,837	16		0	44,837-	16-
1994	52,490		0		0	0	0
1995	258,855	21,373	8	1,279	0	20,094-	8-
1996	135,288	54,185	40	6,329	5	47,856-	35-
1997	70,532	8,504	12	8,625	12	121	0
1998	448,015	207,901	46		0	207,901-	46-
1999	110,093	36,068	33	697	1	35,371-	32-
2000	40,964		0		0	0	0
2001	171,276	990	1		0	990-	1-
2002	111,468		0		0	0	0
2003	865,133	100,649	12		0	100,649-	12-
2004	629,199	260,812	41		0	260,812-	41-
2005	921,450	114,744	12		0	114,744-	12-
2006	697,724	278,680	40		0	278,680-	40-
2007	78,460	3,894	5		0	3,894-	5-
2008	81,616	16,027	20		0	16,027-	20-
2009	484,516	172,070	36		0	172,070-	36-
2010	176,038	90,160	51		0	90,160-	51-
2011	4,196,980	1,255,579	30		0	1,255,579-	30-
2012	346,525	407,133	117		0	407,133-	117-
2013	524,191	840,164	160	398	0	839,766-	160-
2014	639,283	480,834	75		0	480,834-	75-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2015	849,133	418,910	49	0	0	418,910	49-
2016	533,975	80,996	15	0	0	80,996	15-
2017	209,322	68,731	33	0	0	68,731	33-
TOTAL	22,501,944	5,279,598	23	31,220	0	5,248,378	23-

THREE-YEAR MOVING AVERAGES

72-74	60,379	10,057	17	442	1	9,614	16-
73-75	60,191	10,736	18	442	1	10,294	17-
74-76	62,878	11,557	18	233	0	11,323	18-
75-77	10,724	2,684	25	49	0	2,635	25-
76-78	9,354	1,950	21	49	1	1,901	20-
77-79	15,262	4,164	27	517	3	3,647	24-
78-80	13,346	3,034	23	517	4	2,517	19-
79-81	125,185	3,586	3	517	0	3,069	2-
80-82	114,678	664	1	0	0	664	1-
81-83	288,965	908	0	4	0	905	0
82-84	2,843,543	46,734	2	4	0	46,731	2-
83-85	2,851,454	65,943	2	4	0	65,939	2-
84-86	2,703,439	75,615	3	3,596	0	72,019	3-
85-87	78,750	35,964	46	3,619	5	32,346	41-
86-88	76,195	16,644	22	3,619	5	13,026	17-
87-89	50,008	6,728	13	23	0	6,705	13-
88-90	8,046	0	0	0	0	0	0
89-91	23,987	5,898	25	0	0	5,898	25-
90-92	69,691	6,427	9	0	0	6,427	9-
91-93	162,944	21,373	13	0	0	21,373	13-
92-94	157,953	15,475	10	0	0	15,475	10-
93-95	197,034	22,070	11	426	0	21,644	11-
94-96	148,878	25,186	17	2,536	2	22,650	15-
95-97	154,892	28,021	18	5,411	3	22,610	15-
96-98	217,945	90,197	41	4,985	2	85,212	39-
97-99	209,547	84,158	40	3,107	1	81,050	39-
98-00	199,691	81,323	41	232	0	81,091	41-
99-01	107,444	12,353	11	232	0	12,120	11-
00-02	107,903	330	0	0	0	330	0
01-03	382,626	33,880	9	0	0	33,880	9-
02-04	535,267	120,487	23	0	0	120,487	23-
03-05	805,261	158,735	20	0	0	158,735	20-
04-06	749,457	218,078	29	0	0	218,078	29-
05-07	565,878	132,439	23	0	0	132,439	23-
06-08	285,933	99,533	35	0	0	99,533	35-



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 311 STRUCTURES AND IMPROVEMENTS  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	214,864	63,997	30	0	63,997-	30-	
08-10	247,390	92,752	37	0	92,752-	37-	
09-11	1,619,178	505,937	31	0	505,937-	31-	
10-12	1,573,181	584,291	37	0	584,291-	37-	
11-13	1,689,232	834,292	49	133	834,159-	49-	
12-14	503,333	576,044	114	133	575,911-	114-	
13-15	670,869	579,970	86	133	579,837-	86-	
14-16	674,130	326,914	48	0	326,914-	48-	
15-17	530,810	189,546	36	0	189,546-	36-	
FIVE-YEAR AVERAGE							
13-17	551,181	377,927	69	80	377,847-	69-	

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 312 BOILER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1973	62,803	4,171	7	648	1	3,523	6-
1974	7,673	6,835	89	12	0	6,823	89-
1975	3,085	402	13	383	12	19-	1-
1976	3,221	0	0	0	0	0	0
1977	326,169	62,640	19	5,757	2	56,883	17-
1978	194,645	243	0	2,078	1	1,835	1
1979	2,069,174	10,000	0	0	0	10,000	0
1980	553,764	39,529	7	5,000	1	34,529	6-
1981	5,642,246	130,545	2	0	0	130,545	2-
1982	1,289,749	35,582	3	0	0	35,582	3-
1983	2,872,642	34,486	1	10,535	0	23,951	1-
1984	19,009,765	1,405,123	7	25,077	0	1,380,046	7-
1985	11,336,125	1,868,829	16	24,791	0	1,844,038	16-
1986	4,583,696	2,041,987	45	23,452	1	2,018,535	44-
1987	5,711,646	882,146	15	7,564	0	874,582	15-
1988	981,609	220,046	22	84-	0	220,130	22-
1989	1,150,890	29,619	3	0	0	29,619	3-
1990	274,896	45,528	17	0	0	45,528	17-
1991	514,723	1,963	0	0	0	1,963	0
1992	657,502	37,558	6-	0	0	37,558	6
1993	727,737	130,969	18-	8,692	1	139,661	19
1994	518,558	102,303	20	4,250	1	98,053	19-
1995	8,391,354	687,291	8	41,471	0	645,820	8-
1996	2,043,488	614,554	30	95,593	5	518,961	25-
1997	1,563,889	188,562	12	191,250	12	2,688	0
1998	2,744,038	1,273,372	46	0	0	1,273,372	46-
1999	6,407,359	2,121,390	33	41,005	1	2,080,385	32-
2000	1,939,284	549,421	28	319,613	16	229,808	12-
2001	8,057,111	330,086	4	0	0	330,086	4-
2002	5,505,871	495,797	9	0	0	495,797	9-
2003	7,090,285	9,195	0	0	0	9,195	0
2004	6,901,489	1,994,239	29	0	0	1,994,239	29-
2005	4,197,701	1,079,108	26	0	0	1,079,108	26-
2006	27,711,972	10,223,501	37	577,580	2	9,645,921	35-
2007	3,095,537	815,490	26	281,090	9	534,400	17-
2008	3,796,631	1,500,760	40	86,662	2	1,414,098	37-
2009	7,012,615	3,053,175	44	27,191	0	3,025,984	43-
2010	3,987,134	597,884	15	45,462	1	552,423	14-
2011	17,737,600	2,541,970	14	34,636	0	2,507,334	14-
2012	11,636,251	2,473,206	21	199,351	2	2,273,855	20-
2013	5,121,553	4,060,365	79	76,189	1	3,984,177	78-
2014	6,768,408	1,151,687	17	0	0	1,151,687	17-
2015	18,814,164	5,191,059	28	44,171	0	5,146,888	27-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2016	8,494,131	1,452,191	17	22,890	0	1,429,301	17-
2017	8,073,501	10,017,154	124		0	10,017,154-	124-
<b>TOTAL</b>	<b>235,583,683</b>	<b>59,174,907</b>	<b>25</b>	<b>2,202,309</b>	<b>1</b>	<b>56,972,598-</b>	<b>24-</b>

THREE-YEAR MOVING AVERAGES

73-75	24,520	3,803	16	348	1	3,455-	14-
74-76	4,660	2,412	52	132	3	2,281-	49-
75-77	110,825	21,014	19	2,047	2	18,967-	17-
76-78	174,678	20,961	12	2,612	1	18,349-	11-
77-79	863,329	24,294	3	2,612	0	21,683-	3-
78-80	939,194	16,591	2	2,359	0	14,231-	2-
79-81	2,755,061	60,025	2	1,667	0	58,358-	2-
80-82	2,495,253	68,552	3	1,667	0	66,885-	3-
81-83	3,268,212	66,871	2	3,512	0	63,359-	2-
82-84	7,724,052	491,730	6	11,871	0	479,860-	6-
83-85	11,072,844	1,102,813	10	20,134	0	1,082,678-	10-
84-86	11,643,195	1,771,980	15	24,440	0	1,747,540-	15-
85-87	7,210,489	1,597,654	22	18,602	0	1,579,052-	22-
86-88	3,758,984	1,048,060	28	10,311	0	1,037,749-	28-
87-89	2,614,715	377,270	14	2,493	0	274,777-	14-
88-90	802,465	98,398	12	28-	0	98,426-	12-
89-91	646,836	25,703	4		0	25,703-	4-
90-92	482,374	3,311	1		0	3,311-	1-
91-93	633,321	55,521-	9-	2,897	0	58,419	9
92-94	634,599	22,075-	3-	4,314	1	26,389	4
93-95	3,212,550	219,542	7	18,138	1	201,404-	6-
94-96	3,651,133	468,049	13	47,105	1	420,945-	12-
95-97	3,999,577	496,802	12	109,438	3	387,364-	10-
96-98	2,117,138	692,163	33	95,614	5	596,548-	28-
97-99	3,571,762	1,194,441	33	77,418	2	1,117,023-	31-
98-00	3,696,894	1,314,728	36	120,206	3	1,194,522-	32-
99-01	5,467,918	1,000,299	18	120,206	2	880,093-	16-
00-02	5,167,422	458,435	9	106,538	2	351,897-	7-
01-03	6,884,422	278,359	4		0	278,359-	4-
02-04	6,499,215	833,077	13		0	833,077-	13-
03-05	6,063,158	1,027,514	17		0	1,027,514-	17-
04-06	12,937,054	4,432,282	34	192,527	1	4,239,756-	33-
05-07	11,668,403	4,039,366	35	286,223	2	3,753,143-	32-
06-08	11,534,714	4,179,917	36	315,110	3	3,864,806-	34-
07-09	4,634,928	1,789,608	39	131,648	3	1,658,161-	36-
08-10	4,932,127	1,717,273	35	53,105	1	1,664,168-	34-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
09-11	9,579,116	2,064,343	22	35,763	0	2,028,580	21-
10-12	11,120,328	1,871,020	17	93,150	1	1,777,870	16-
11-13	11,498,468	3,025,181	26	103,392	1	2,921,788	25-
12-14	7,842,070	2,561,753	33	91,847	1	2,469,906	31-
13-15	10,234,708	3,467,704	34	40,120	0	3,427,584	33-
14-16	11,358,901	2,598,312	23	22,354	0	2,575,959	23-
15-17	11,793,932	5,553,468	47	22,354	0	5,531,114	47-
FIVE-YEAR AVERAGE							
13-17	9,454,351	4,374,491	46	28,650	0	4,345,841	46-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 314 TURBOGENERATOR UNITS  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1974	5,300	3,167	60		0	3,167-	60-
1975	5,583		0		0		0
1976							
1977							
1978	17,277	2,051	12	2,818	16	767	4
1979	1,527,611		0		0		0
1980	8,705		0		0		0
1981	3,710,700		0		0		0
1982	6,074	620	10		0	620-	10-
1983	2,465,234		0		0		0
1984	2,791,319		0		0		0
1985	7,690,532	899	0		0	899-	0
1986	18,073	813	4		0	813-	4-
1987	43,600	2,606	6	17	0	2,589-	6-
1988	122,693		0		0		0
1989							
1990	15,000		0		0		0
1991	1,406,443		0		0		0
1992	15,000		0		0		0
1993	22,000	524	2		0	524-	2-
1994	110,318	22,262	20		0	22,262-	20-
1995	4,566,240	377,019	8	22,567	0	354,452-	8-
1996	1,314,385	530,805	40	61,486	5	469,319-	36-
1997	612,710	73,876	12	74,929	12	1,053	0
1998							
1999	5,000	1,782	36	34	1	1,748-	35-
2000							
2001							
2002	94,480		0		0		0
2003	3,077,538	277,920	9		0	277,920-	9-
2004	1,160,157	373,601	32		0	373,601-	32-
2005	464,123	60,425	13		0	60,425-	13-
2006	2,965,022	532,312	18		0	532,312-	18-
2007	115,565	2,600	2		0	2,600-	2-
2008	33,017	46,464	141		0	46,464-	141-
2009	754,568	465,855	62		0	465,855-	62-
2010	103,475	3,278	3		0	3,278-	3-
2011	3,093,988	109,173	4		0	109,173-	4-
2012	2,675,754	1,278,417	48		0	1,278,417-	48-
2013	998,736	661,894	66		0	661,894-	66-
2014	564,792	500,640	89		0	500,640-	89-
2015	7,699,476	1,289,267	17	923,936	12	365,331-	5-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 314 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2016	1,079,649	953,014	88		0	953,014-	88-
2017	1,207,097	296,938	25	748,976	62	452,038	37
TOTAL	52,567,234	7,868,222	15	1,834,763	3	6,033,460-	11-

THREE-YEAR MOVING AVERAGES

74-76	3,628	1,056	29		0	1,056-	29-
75-77	1,861		0		0		0
76-78	5,759	684	12	939	16	256	4
77-79	514,963	684	0	939	0	256	0
78-80	517,864	684	0	939	0	256	0
79-81	1,749,005		0		0		0
80-82	1,241,826	207	0		0	207-	0
81-83	2,060,669	207	0		0	207-	0
82-84	1,754,209	207	0		0	207-	0
83-85	4,315,695	300	0		0	300-	0
84-86	3,499,975	571	0		0	571-	0
85-87	2,584,068	1,439	0	6	0	1,434-	0
86-88	61,455	1,140	2	6	0	1,134-	2-
87-89	55,431	869	2	6	0	863-	2-
88-90	45,898		0		0		0
89-91	473,814		0		0		0
90-92	478,814		0		0		0
91-93	481,148	175	0		0	175-	0
92-94	49,106	7,595	15		0	7,595-	15-
93-95	1,566,186	133,268	9	7,522	0	125,746-	8-
94-96	1,996,981	310,029	16	28,018	1	282,011-	14-
95-97	2,164,445	327,233	15	52,994	2	274,239-	13-
96-98	642,365	201,560	31	45,472	7	156,089-	24-
97-99	205,903	25,219	12	24,988	12	232-	0
98-00	1,667	594	36	11	1	583-	35-
99-01	1,667	594	36	11	1	583-	35-
00-02	31,493		0		0		0
01-03	1,057,339	92,640	9		0	92,640-	9-
02-04	1,444,058	217,174	15		0	217,174-	15-
03-05	1,567,273	237,316	15		0	237,316-	15-
04-06	1,529,767	322,113	21		0	322,113-	21-
05-07	1,181,570	198,446	17		0	198,446-	17-
06-08	1,037,868	193,792	19		0	193,792-	19-
07-09	301,050	171,639	57		0	171,639-	57-
08-10	297,020	171,866	58		0	171,866-	58-
09-11	1,317,344	192,769	15		0	192,769-	15-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 314 TURBOGENERATOR UNITS  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
10-12	1,957,739	463,623	24	0	0	463,623	24
11-13	2,256,159	683,161	30	0	0	683,161	30
12-14	1,413,094	813,650	58	0	0	813,650	58
13-15	3,087,668	817,267	26	307,979	10	509,289	16
14-16	3,114,639	914,307	29	307,979	10	606,328	19
15-17	3,328,741	846,406	25	557,637	17	288,769	9
FIVE-YEAR AVERAGE							
13-17	2,309,950	740,351	32	334,582	14	405,768	18

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 315 ACCESSORY ELECTRIC EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1972	33,729	502	1		0	502-	1-
1973	7,724		0	1,966	25	1,966	25
1974	10,311	417	4		0	417-	4-
1975	11,172	521	5	2,381	21	1,860	17
1976	3,903	38,121	977	2,393	61	35,728-	915-
1977	22,153	794	4		0	794-	4-
1978	23,703	1,238	5	4,573	19	3,335	14
1979	140,861	388	0	123	0	265-	0
1980	127,304	1,849	1		0	1,849-	1-
1981	963,033		0	1,261	0	1,261	0
1982	8,574	993	12	999	12	6	0
1983	302,710	13-	0	688	0	701	0
1984	1,628,052	4,221	0		0	4,221-	0
1985	1,108,851	2,002	0		0	2,002-	0
1986	13,971		0		0		0
1987	807,408	95,681	12	926	0	94,755-	12-
1988	12,928	3,297	26	10-	0	3,307-	26-
1989	97,796		0		0		0
1990	76,484	16,433-	21-	2,100	3	18,533	24
1991	313,936	1,028	0		0	1,028-	0
1992	61,486	10,547	17		0	10,547-	17-
1993	473,682	6,732-	1-		0	6,732	1
1994	22,000		0		0		0
1995	822,779	67,935	8	4,066	0	63,869-	8-
1996	348,770	140,848	40	16,315	5	124,533-	36-
1997	1,032,181	124,452	12	126,227	12	1,775	0
1998							
1999	2,918	1,040	36	21	1	1,019-	35-
2000	671,474	16,128	2		0	16,128-	2-
2001	34,589		0		0		0
2002	102,272		0		0		0
2003	74,452		0		0		0
2004	829,101	26,830	3		0	26,830-	3-
2005							
2006	1,043,304	59,113	6		0	59,113-	6-
2007	106,068	23,111	22	500	0	22,611-	21-
2008	32,633	1,065	3		0	1,065-	3-
2009	197,219	109,483	56		0	109,483-	56-
2010	20,993	18,899	90		0	18,899-	90-
2011	639,407	243,700	38		0	243,700-	38-
2012	282,287	303,914	108	11,875	4	292,039-	103-
2013	671,068	33,992	5		0	33,992-	5-
2014	196,133	211,869	108		0	211,869-	108-



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 315 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2015	103,922	131,720	127	27,260	26	104,461	101-
2016	173,708	56,804	33	42,500	24	14,304	8-
2017	22,054	19,822	90		0	19,822	90-
<b>TOTAL</b>	<b>13,679,104</b>	<b>1,729,147</b>	<b>13</b>	<b>246,164</b>	<b>2</b>	<b>1,482,983</b>	<b>11-</b>

THREE-YEAR MOVING AVERAGES

72-74	17,255	306	2	655	4	349	2
73-75	9,736	313	3	1,449	15	1,136	12
74-76	8,462	13,020	154	1,591	19	11,428	135-
75-77	12,409	13,145	106	1,591	13	11,554	93-
76-78	16,586	13,384	81	2,322	14	11,062	67-
77-79	52,239	807	1	1,565	3	759	1
78-80	97,289	1,158	1	1,565	2	407	0
79-81	410,399	746	0	461	0	284	0
80-82	366,304	947	0	753	0	194	0
81-83	424,772	327	0	983	0	656	0
82-84	646,445	1,734	0	562	0	1,171	0
83-85	1,013,204	2,070	0	229	0	1,841	0
84-86	916,958	2,074	0		0	2,074	0
85-87	643,410	32,561	5	309	0	32,252	5-
86-88	278,102	32,993	12	305	0	32,687	12-
87-89	306,044	32,993	11	305	0	32,687	11-
88-90	62,403	4,379	7-	697	1	5,075	8
89-91	162,739	5,135	3-	700	0	5,835	4
90-92	150,635	1,619	1-	700	0	2,319	2
91-93	283,035	1,614	1		0	1,614	1-
92-94	185,723	1,272	1		0	1,272	1-
93-95	439,487	20,401	5	1,355	0	19,046	4-
94-96	397,850	69,594	17	6,794	2	62,801	16-
95-97	734,577	111,078	15	48,869	7	62,209	8-
96-98	460,317	88,433	19	47,514	10	40,919	9-
97-99	345,033	41,831	12	42,083	12	252	0
98-00	224,797	5,723	3	7	0	5,716	3-
99-01	236,327	5,723	2	7	0	5,716	2-
00-02	269,445	5,376	2		0	5,376	2-
01-03	70,438		0		0		0
02-04	335,275	8,943	3		0	8,943	3-
03-05	301,184	8,943	3		0	8,943	3-
04-06	624,135	28,648	5		0	28,648	5-
05-07	383,124	27,408	7	167	0	27,241	7-
06-08	394,002	27,763	7	167	0	27,596	7-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 315 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	111,974	44,553	40	167	0	44,386	40-
08-10	83,615	43,149	52		0	43,149	52-
09-11	285,873	124,027	43		0	124,027	43-
10-12	314,229	188,838	60	3,958	1	184,879	59-
11-13	530,921	193,869	37	3,958	1	189,910	36-
12-14	383,163	183,258	48	3,958	1	179,300	47-
13-15	323,708	125,860	39	9,087	3	116,774	36-
14-16	157,921	133,464	85	23,253	15	110,211	70-
15-17	99,895	69,449	70	23,253	23	46,196	46-
FIVE-YEAR AVERAGE							
13-17	233,377	90,842	39	13,952	6	76,890	33-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1972	985	62	6		0	62-	6-
1973							
1974	2,625		0	2,800	107	2,800	107
1975	2,166		0		0		0
1976	3,217		0		0		0
1977	4,112		0		0		0
1978	2,193		0	48	2	48	2
1979	33,145	43	0		0	43-	0
1980	1,734		0		0		0
1981	15,052		0	7,500	50	7,500	50
1982	350		0		0		0
1983	309		0		0		0
1984	344,269		0		0		0
1985	68,016		0	53	0	53	0
1986	7,808		0		0		0
1987	5,311		0		0		0
1988	1,311		0		0		0
1989	318		0	175	55	175	55
1990	17,214	1,000-	6-		0	1,000	6
1991	15,986		0		0		0
1992	5,162		0		0		0
1993	137,323		0		0		0
1994							
1995	114,896	9,487	8	568	0	8,919-	8-
1996	386,595	156,124	40	18,085	5	138,039-	36-
1997	63,113	7,610	12	7,719	12	109	0
1998							
1999							
2000							
2001							
2002		537				537-	
2003	1,600	437	27		0	437-	27-
2004	159,413	4,944	3		0	4,944-	3-
2005							
2006	85,294	1,237	1		0	1,237-	1-
2007	76,996		0		0		0
2008	37,166		0	103,285	278	103,285	278
2009	31,210	2,109	7		0	2,109-	7-
2010	18,529		0		0		0
2011	66,012		0		0		0
2012	20,219		0		0		0
2013	7,457		0		0		0
2014	94,077		0		0		0

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNTS 316 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2015	79,363	188	0		0	188-	0
2016	123,602	5,116	4	2,650	2	2,466-	2-
2017	207,367		0		0		0
TOTAL	2,241,514	186,894	8	142,883	6	44,011-	2-

THREE-YEAR MOVING AVERAGES

72-74	1,203	21	2	933	78	913	76
73-75	1,597		0	933	58	933	58
74-76	2,669		0	933	35	933	35
75-77	3,165		0		0		0
76-78	3,174		0	16	1	16	1
77-79	13,150	14	0	16	0	2	0
78-80	12,357	14	0	16	0	2	0
79-81	16,644	14	0	2,500	15	2,486	15
80-82	5,712		0	2,500	44	2,500	44
81-83	5,237		0	2,500	48	2,500	48
82-84	114,976		0		0		0
83-85	137,531		0	18	0	18	0
84-86	140,031		0	18	0	18	0
85-87	27,045		0	18	0	18	0
86-88	4,810		0		0		0
87-89	2,313		0	58	3	58	3
88-90	6,281	333-	5-	58	1	392	6
89-91	11,173	333-	3-	58	1	392	4
90-92	12,787	333-	3-		0	333	3
91-93	52,824		0		0		0
92-94	47,495		0		0		0
93-95	84,073	3,162	4	189	0	2,973-	4-
94-96	167,164	55,204	33	6,218	4	48,986-	29-
95-97	188,201	57,740	31	8,791	5	48,950-	26-
96-98	149,903	54,578	36	8,601	6	45,977-	31-
97-99	21,038	2,537	12	2,573	12	36	0
98-00							
99-01							
00-02		179				179-	
01-03	533	325	61		0	325-	61-
02-04	53,671	1,973	4		0	1,973-	4-
03-05	53,671	1,794	3		0	1,794-	3-
04-06	81,569	2,060	3		0	2,060-	3-
05-07	54,097	412	1		0	412-	1-
06-08	66,485	412	1	34,428	52	34,016	51

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	48,457	703	1	34,428	71	33,725	70
08-10	28,968	703	2	34,428	119	33,725	116
09-11	38,584	703	2		0	703-	2-
10-12	34,920		0		0		0
11-13	31,229		0		0		0
12-14	40,584		0		0		0
13-15	60,299	63	0		0	63-	0
14-16	99,014	1,768	2	883	1	885-	1-
15-17	136,777	1,768	1	883	1	885-	1-
FIVE-YEAR AVERAGE							
13-17	102,373	1,061	1	530	1	531-	1-

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**PART IX. DETAILED DEPRECIATION  
CALCULATIONS**

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RIVERPORT DISTRIBUTION CENTER INTERIM SURVIVOR CURVE.. IOWA 95-R2.5 PROBABLE RETIREMENT YEAR.. 6-2063 NET SALVAGE PERCENT.. -25						
2013	5,123,148.75	578,211	399,761	6,004,175	44.03	136,366
2014	33,726.75	3,028	2,087	40,072	44.09	909
2015	66,384.14	4,347	3,005	79,975	44.14	1,812
2016	49,048.13	1,961	1,356	59,954	44.20	1,356
2017	37,976.87	520	360	47,112	44.25	1,065
	5,310,284.64	588,057	406,568	6,231,288		141,508
MILL CREEK UNIT 1 INTERIM SURVIVOR CURVE.. IOWA 95-R2.5 PROBABLE RETIREMENT YEAR.. 6-2032 NET SALVAGE PERCENT.. -10						
1965	46,093.05	39,534	46,776	3,926	13.91	282
1972	15,820,798.69	13,135,693	15,541,922	1,860,956	14.04	132,547
1975	218,872.61	178,687	211,419	29,341	14.09	2,082
1977	4,197.77	3,385	4,005	612	14.12	43
1980	21,540.90	17,013	20,129	3,566	14.16	252
1981	8,073.16	6,328	7,487	1,393	14.17	98
1987	63,301.24	46,998	55,607	14,024	14.24	985
1991	3,386.36	2,398	2,837	888	14.28	62
1995	24,680.99	16,447	19,460	7,689	14.31	537
1996	38,411.41	25,136	29,740	12,512	14.32	874
1997	9,807.25	6,296	7,449	3,339	14.32	233
1998	289,774.86	182,157	215,525	103,227	14.33	7,204
1999	37,622.65	23,113	27,347	14,038	14.34	979
2001	98,083.06	57,229	67,712	40,179	14.35	2,800
2002	180,486.93	102,186	120,905	77,631	14.36	5,406
2003	741,965.92	406,653	481,145	335,018	14.36	23,339
2004	357,057.23	188,640	223,196	169,567	14.37	11,800
2005	439,217.59	222,915	263,750	219,389	14.37	15,267
2007	22,336.81	10,289	12,174	12,397	14.38	862
2008	272,031.03	118,006	139,623	159,611	14.39	11,092
2009	52,008.41	21,086	24,949	32,261	14.39	2,242
2011	119,120.13	40,448	47,857	83,175	14.40	5,776
2012	103,784.67	31,288	37,019	77,144	14.41	5,354
2015	2,148,138.36	345,558	408,858	1,954,094	14.42	135,513
2016	111,292.14	11,465	13,565	108,856	14.42	7,549
	21,232,083.22	15,238,949	18,030,458	5,324,834		373,169

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	9,819,205.32	7,746,567	9,111,356	1,689,770	15.95	105,942
1976	96,856.85	75,902	89,274	17,268	15.97	1,081
1977	4,197.78	3,267	3,843	775	15.99	48
1979	3,493.45	2,678	3,150	693	16.03	43
1986	5,995.00	4,310	5,069	1,525	16.14	94
1998	184,368.44	109,464	128,749	74,056	16.27	4,552
2003	120,824.91	61,931	72,842	60,065	16.32	3,680
2005	22,227.29	10,499	12,349	12,101	16.33	741
2006	171,004.69	76,943	90,499	97,606	16.34	5,973
2007	5,838.00	2,489	2,928	3,494	16.34	214
2011	500,905.40	155,216	182,562	368,434	16.37	22,507
2012	313,472.11	86,008	101,161	243,658	16.37	14,884
2015	2,523,154.21	363,503	427,545	2,347,925	16.39	143,254
2016	170,882.49	15,664	18,424	169,547	16.39	10,345
2017	218,586.90	6,975	8,204	232,242	16.40	14,161
	14,161,012.84	8,721,416	10,257,954	5,319,160		327,519
MILL CREEK UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1984	818,857.06	600,931	455,437	445,305	16.11	27,642
2015	4,151,771.11	598,133	453,317	4,113,632	16.39	250,984
	4,970,628.17	1,199,064	908,754	4,558,937		278,626
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1980	6,510.54	4,613	6,090	1,071	19.76	54
1982	21,290,656.69	14,786,979	19,523,058	3,896,664	19.82	196,603
1984	108,138.64	73,498	97,038	21,914	19.87	1,103
1986	436,730.18	289,909	382,763	97,640	19.91	4,904
1987	164,685.65	107,935	142,505	38,649	19.93	1,939
1988	31,410.69	20,310	26,815	7,737	19.95	388



LOUISVILLE GAS AND ELECTRIC COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1997	7,192.32	3,940	5,202	2,710	20.12	135
2002	21,186.01	9,994	13,195	10,110	20.19	501
2004	249,234.02	108,465	143,205	130,952	20.21	6,480
2006	240,970.16	94,944	125,353	139,714	20.23	6,906
2009	414,775.80	133,112	175,746	280,507	20.27	13,839
2010	229,013.42	67,239	88,775	163,140	20.27	8,048
2016	5,922,786.05	442,112	583,715	5,931,350	20.33	291,754
	29,123,290.17	16,143,050	21,313,461	10,722,158		532,654
MILL CREEK UNIT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	124,786.75	86,668	30,882	106,384	19.82	5,368
2016	5,359,168.04	400,040	142,543	5,752,542	20.33	282,958
2017	10,561.49	279	99	11,518	20.33	567
	5,494,516.28	486,987	173,524	5,870,444		288,893
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1978	16,235.95	10,997	12,381	5,478	23.31	235
1983	2,920,019.88	1,873,123	2,108,877	1,103,145	23.51	46,922
1984	33,105,032.98	20,971,707	23,611,238	12,804,298	23.55	543,707
1985	16,032.01	10,026	11,288	6,347	23.58	269
1986	10,854,342.52	6,697,140	7,540,052	4,399,724	23.61	186,350
1987	2,747,622.50	1,670,925	1,881,230	1,141,155	23.65	48,252
1988	1,132,027.85	678,178	763,535	481,696	23.68	20,342
1989	420,234.94	247,817	279,008	183,251	23.71	7,729
1990	139,393.92	80,836	91,010	62,323	23.74	2,625
1991	31,466.81	17,928	20,184	14,429	23.77	607
1994	168,295.50	90,337	101,707	83,418	23.85	3,498
1995	1,130,198.34	593,289	667,961	575,257	23.87	24,100
1996	311,789.92	159,755	179,862	163,107	23.90	6,825
1997	227,958.65	113,845	128,174	122,561	23.92	5,125

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1998	442,793.64	215,140	242,218	244,855	23.94	10,228
1999	113,470.26	53,527	60,264	64,553	23.96	2,694
2000	74,447.42	34,019	38,301	43,591	23.98	1,818
2001	687,863.94	303,379	341,563	415,088	24.01	17,288
2002	586,204.16	249,102	280,454	364,370	24.02	15,169
2003	1,368,701.79	557,845	628,056	877,516	24.04	36,502
2004	292,312.92	113,856	128,186	193,358	24.06	8,036
2005	525,643.99	194,648	219,147	359,062	24.08	14,911
2006	166,238.65	58,196	65,521	117,342	24.10	4,869
2007	19,894.23	6,541	7,364	14,519	24.11	602
2008	25,127.93	7,695	8,664	18,977	24.13	786
2009	956,448.27	270,146	304,147	747,946	24.14	30,984
2010	483,570.90	124,205	139,838	392,090	24.16	16,229
2011	1,236,829.35	284,483	320,288	1,040,224	24.17	43,038
2012	252,495.83	50,686	57,065	220,680	24.19	9,123
2013	479,312.70	81,428	91,677	435,567	24.20	17,999
2014	9,500,493.24	1,300,152	1,463,791	8,986,751	24.21	371,200
2015	879,677.92	89,217	100,446	867,200	24.22	35,805
2016	340,734.69	21,578	24,294	350,514	24.23	14,466
2017	1,627,997.79	35,476	39,941	1,750,857	24.25	72,200
	73,280,911.39	37,267,222	41,957,732	38,651,271		1,620,533
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1983	1,812,836.17	1,162,891	1,474,208	519,912	23.51	22,115
1984	320,219.90	202,856	257,162	95,079	23.55	4,037
2001	58,236.12	25,685	32,561	31,499	24.01	1,312
2004	212,084.02	82,607	104,722	128,571	24.06	5,344
2005	14,020.31	5,192	6,582	8,840	24.08	367
2006	12,043.50	4,216	5,345	7,903	24.10	328
2013	7,305.53	1,241	1,573	6,463	24.20	267
2014	3,337,266.72	456,708	578,973	3,092,020	24.21	127,717
2017	18,363.52	400	507	19,693	24.25	812
	5,792,375.79	1,941,796	2,461,633	3,909,980		162,299

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	103,453,966.09	54,067,277	64,520,573	53,416,949	31.01	1,722,572
1993	261,010.60	127,840	152,556	144,996	31.17	4,652
1994	362,457.24	173,363	206,881	206,320	31.21	6,611
1995	520,162.37	242,507	289,393	303,592	31.26	9,712
1996	124,393.22	56,423	67,332	74,477	31.31	2,379
1997	540,527.91	238,236	284,296	331,906	31.35	10,587
1998	291,947.64	124,684	148,790	184,030	31.40	5,861
1999	20,033.30	8,276	9,876	12,962	31.44	412
2000	112,766.78	44,941	53,630	74,924	31.48	2,380
2001	60,760.43	23,293	27,796	41,470	31.52	1,316
2002	259,907.60	95,543	114,015	182,280	31.56	5,776
2003	446,282.16	156,775	187,086	321,676	31.59	10,183
2004	80,252.62	26,809	31,992	59,496	31.63	1,881
2006	5,878.80	1,747	2,085	4,617	31.70	146
2007	3,126.83	868	1,036	2,529	31.73	80
2008	510,515.04	131,378	156,778	425,209	31.76	13,388
2009	150,166.01	35,409	42,255	128,534	31.79	4,056
2010	85,397.39	18,207	21,727	75,626	31.82	2,377
2011	33,353.80	6,322	7,544	30,479	31.84	957
2013	43,040.44	5,947	7,097	41,969	31.90	1,316
2017	116,477.02	2,004	2,391	130,392	31.99	4,076
	107,482,423.29	55,587,849	66,335,130	56,194,833		1,810,718
TRIMBLE COUNTY UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	101,916.70	53,264	1,970	114,215	31.01	3,683
1996	20,052.22	9,095	336	22,523	31.31	719
2004	61,284.94	20,462	757	69,074	31.63	2,184
2013	705,791.36	97,526	3,607	800,995	31.90	25,110
	889,015.22	180,347	6,671	1,006,806		31,696

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
1990	22,344.25	9,383	10,043	15,430	44.36	348
2011	15,149,274.41	2,053,942	2,198,375	15,071,798	46.60	323,429
2012	409,666.94	47,781	51,141	415,879	46.68	8,909
2013	86,128.30	8,375	8,964	89,211	46.75	1,908
2014	154,925.17	11,960	12,801	163,814	46.81	3,500
2015	176,813.39	9,933	10,631	190,936	46.88	4,073
2016	404,264.65	13,504	14,882	445,980	46.94	9,501
2017	999,973.89	11,764	12,591	1,127,379	47.00	23,987
	17,403,381.00	2,167,042	2,319,428	17,520,426		375,655
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	69,521.69	9,426	7,436	71,819	46.60	1,541
2012	411.79	48	38	432	46.68	9
2017	14,666.45	173	136	16,583	47.00	353
	84,599.93	9,647	7,610	88,834		1,903
	285,224,521.94	139,531,426	164,178,923	155,398,971		5,945,173
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 26.1 2.08						

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1955	1,639,190.12	1,803,109	1,803,109			
1986	0.40					0
1997	39,193.77	43,113	43,113			43,113
1998	41,520.99	45,673	45,673			45,673
2000	10.83	12	12			12
2014	33,589.49	36,948	36,948			36,948
2015	32,299.10	35,529	35,529			35,529
2016	373.59	411	411			411
	1,786,178.29	1,964,795	1,964,796			
CANE RUN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1956	1,184,900.77	1,303,391	1,303,391			
1997	43,063.97	47,370	47,370			47,370
2016	373.59	411	411			411
	1,228,338.33	1,351,172	1,351,172			
CANE RUN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1959	1,952,265.06	2,147,492	2,147,492			
1975	44.28	49	49			49
1997	82,878.31	91,166	91,166			91,166
2016	373.68	411	411			411
	2,035,561.33	2,239,118	2,239,117			

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1964	1,814,704.93	1,996,175	1,996,175			
1966	107.89	119	119			
1969	301.74	332	332			
1994	19,409.75	21,351	21,351			
1997	97,687.75	107,457	107,457			
2009	99,942.00	109,936	109,936			
2012	80,618.11	88,680	88,680			
2013	1,018,709.71	1,120,581	1,120,581			
2016	373.61	411	411			
	3,131,855.49	3,445,042	3,445,041			
CANE RUN UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2014	17,192.20	18,911	18,911			
2016	373.59	411	411			
	17,565.79	19,322	19,322			
CANE RUN UNIT 5						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1967	2,209,914.99	2,430,906	2,430,906			
1997	460,252.28	506,278	506,278			
1998	77,110.41	84,821	84,821			
2012	213,621.33	234,983	234,983			
2014	155,851.67	171,437	171,437			
2015	28,789.01	31,668	31,668			
2016	124.53	137	137			
	3,145,664.22	3,460,230	3,460,231			

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 5 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1979	5.68	6	6			
1980	5.63	6	6			
2015	9,932.90	10,926	10,926			
2016	249.06	274	274			
	10,193.27	11,212	11,213			
CANE RUN UNIT 6						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1968	25,970.52	28,568	28,568			
1970	2,318,410.10	2,550,251	2,550,251			
1973	157,004.65	172,705	172,705			
1977	65,482.34	72,031	72,031			
1978	104,011.35	114,412	114,412			
1983	1,000,000.00	1,100,000	1,100,000			
1984	147,868.83	162,656	162,656			
1987	240,188.77	264,208	264,208			
1997	67,252.33	73,978	73,978			
1998	6,924.37	7,617	7,617			
1999	0.21	0	0			
2001	583,023.78	641,326	641,326			
2002	675,474.89	743,022	743,022			
2003	74,876.34	82,364	82,364			
2004	181,731.32	199,904	199,904			
2006	46,381.08	51,019	51,019			
2007	1,124,191.86	1,236,611	1,236,611			
2009	1,407,414.03	1,548,155	1,548,155			
2010	143,677.89	158,046	158,046			
2011	762,918.87	839,211	839,211			
2013	70,027.02	77,030	77,030			
2014	3,870,067.88	4,257,075	4,257,075			
2015	31,265.63	34,392	34,392			
2016	249.06	274	274			
	13,104,413.12	14,414,855	14,414,854			

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 6 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2014	85,553.36	94,109	94,109			
2016	373.59	411	411			
	85,926.95	94,520	94,520			
	24,545,696.79	27,000,266	27,000,266			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00						



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	21,414,326.49	17,293,932	14,223,253	9,332,506	12.85	726,265
1973	7,875.43	6,326	5,203	3,460	12.90	268
1975	265,320.08	210,671	173,265	118,587	12.99	9,129
1976	1,821.92	1,438	1,183	821	13.04	63
1977	35,816.91	28,085	23,098	16,300	13.08	1,246
1978	121,581.83	94,704	77,889	55,851	13.12	4,257
1979	5,258.44	4,068	3,346	2,439	13.16	185
1980	40,473.88	31,083	25,564	18,957	13.20	1,436
1981	68,546.02	52,238	42,963	32,438	13.24	2,450
1982	350,502.00	264,967	217,920	167,632	13.28	12,623
1983	208,728.99	156,510	128,720	100,882	13.31	7,579
1984	13,324.05	9,902	8,144	6,513	13.35	488
1986	373,158.68	272,173	223,846	156,628	13.41	13,917
1987	186,502.84	134,636	110,730	94,423	13.44	7,026
1988	1,185.12	846	696	608	13.47	45
1989	64,563.44	45,581	37,488	33,532	13.50	2,484
1992	48,372.08	32,855	27,021	26,188	13.58	1,928
1993	23,285.15	15,582	12,815	12,798	13.61	940
1994	330,734.56	217,921	179,227	184,581	13.63	13,542
1995	272,815.11	176,787	145,397	154,700	13.65	11,333
1996	449,017.28	285,851	235,096	258,823	13.67	18,934
1997	775,321.29	484,190	398,218	454,635	13.69	33,209
1998	5,657,245.57	3,459,225	2,845,011	3,377,959	13.71	246,387
1999	3,906,667.89	2,335,172	1,920,543	2,376,792	13.73	173,109
2000	203,312.67	118,585	97,529	126,115	13.75	9,172
2001	962,802.63	546,476	449,445	609,638	13.77	44,273
2002	496,398.14	273,712	225,112	320,926	13.78	23,289
2003	2,979,926.02	1,590,020	1,307,699	1,970,220	13.80	142,770
2004	2,902,846.86	1,494,481	1,229,124	1,964,008	13.81	142,216
2005	298,953.89	147,798	121,555	207,294	13.83	14,989
2006	1,876,339.42	886,497	729,092	1,334,881	13.84	96,451
2007	141,819.17	63,600	52,307	103,694	13.86	7,482
2008	3,673,504.84	1,554,315	1,278,334	2,762,522	13.87	199,172
2009	101,933.21	40,256	33,108	79,018	13.89	5,689
2010	11,986.69	4,370	3,594	9,591	13.90	690
2011	3,542,654.92	1,173,012	964,734	2,932,186	13.91	210,797
2012	162,731.37	47,835	39,342	139,663	13.93	10,026
2013	6,800,891.07	1,722,570	1,416,714	6,064,267	13.94	435,026
2014	448,194.73	93,387	76,805	416,209	13.95	29,836

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
2015	121,894,793.03	19,166,006	15,762,925	118,321,347	13.97	8,469,674
2016	383,790.87	38,430	31,606	390,564	13.98	27,937
2017	630,818.53	22,552	18,548	675,353	13.99	48,274
	182,136,143.11	54,598,645	44,904,210	155,445,547		11,206,606
MILL CREEK UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1991	5,546,971.24	3,818,607	3,803,553	2,298,116	13.56	169,478
1997	2,685,050.95	1,676,822	1,670,211	1,283,345	13.69	93,743
1998	39.61	24	24	20	13.71	1
2001	9,599.04	5,448	5,427	5,132	13.77	373
2002	2,876,370.68	1,586,022	1,579,769	1,584,238	13.78	114,966
2003	5,225,116.30	2,788,002	2,777,011	2,970,617	13.80	215,262
2004	100,971.20	51,983	51,778	59,290	13.81	4,293
2005	54,427.99	26,908	26,802	33,069	13.83	2,391
2008	430,882.82	182,313	181,594	292,377	13.87	21,080
	16,929,429.83	10,136,129	10,096,169	8,526,204		621,587
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	17,054,608.27	13,058,696	6,248,152	12,511,917	14.53	861,109
1979	327,798.84	243,816	116,658	243,921	14.75	16,537
1980	2,634.46	1,944	930	1,968	14.80	133
1981	148,305.42	108,512	51,919	111,217	14.85	7,489
1982	70,679.74	51,257	24,525	53,223	14.90	3,572
1983	83,101.87	59,859	28,645	62,987	14.94	4,216
1984	80,377.49	57,201	27,369	61,046	14.99	4,072
1986	231,601.12	161,463	77,255	177,507	15.07	11,779
1987	20,698.83	14,270	6,828	15,941	15.11	1,055
1988	963.59	656	314	746	15.15	49
1989	64,563.44	43,429	20,779	50,240	15.19	3,307
1992	52,695.31	33,992	16,264	41,701	15.29	2,727

LOUISVILLE GAS AND ELECTRIC COMPANY  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 2 INTERIM SURVIVOR CURVE.. IOWA 60-R1 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -10						
1993	4,287.61	2,721	1,302	3,414	15.33	223
1995	154,316.73	94,570	45,249	124,500	15.39	8,090
1996	46,271.80	27,823	13,312	37,587	15.41	2,439
1997	648,626.26	381,874	182,734	530,775	15.44	34,377
1998	3,474,151.24	1,999,711	956,795	2,864,771	15.47	185,182
1999	1,444,123.25	811,567	388,308	1,200,228	15.49	77,484
2001	2,429,671.48	1,291,446	617,914	2,054,725	15.54	132,222
2002	5,996,535.49	3,089,655	1,478,297	5,117,892	15.56	328,913
2003	2,880,639.68	1,433,426	685,847	2,482,857	15.58	159,362
2004	1,373,435.07	657,793	314,732	1,196,046	15.60	76,670
2005	1,683,302.66	772,427	369,581	1,482,052	15.62	94,882
2006	352,406.11	154,101	73,732	313,935	15.64	20,071
2008	1,251,577.09	486,910	232,970	1,143,765	15.68	72,944
2009	412,257.46	149,223	71,398	382,085	15.70	24,337
2010	4,479,120.12	1,492,989	714,346	4,212,687	15.71	268,153
2011	410,920.22	123,901	59,283	392,730	15.73	24,967
2012	4,552,070.67	1,213,864	580,794	4,426,484	15.75	281,047
2014	2,660,793.03	497,305	237,944	2,688,928	15.78	170,401
2015	141,800,521.60	19,895,322	9,519,250	146,461,323	15.80	9,269,704
2016	3,688,099.88	327,677	156,783	3,900,127	15.82	246,531
2017	620,928.88	19,692	9,422	673,600	15.83	42,552
	198,502,284.71	48,759,102	23,329,610	195,022,903		12,436,596
MILL CREEK UNIT 2 SCRUBBER INTERIM SURVIVOR CURVE.. IOWA 60-R1 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -10						
2002	203,535.72	104,870	21,603	202,286	15.56	13,000
2005	6,998.17	3,211	661	7,037	15.62	451
2008	332,266.71	129,264	26,628	338,865	15.68	21,611
2015	111,645,216.21	15,664,382	3,226,865	119,582,873	15.80	7,568,536
2016	34,447.60	3,061	631	37,262	15.82	2,355
2017	2,599,527.05	82,439	16,982	2,842,497	15.83	179,564
	114,821,991.46	15,987,227	3,293,371	123,010,820		7,785,517

LOUISVILLE GAS AND ELECTRIC COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1979	4,767.06	3,299	2,734	2,510	17.73	142
1980	3,428,357.32	2,350,019	1,947,582	1,823,612	17.81	102,393
1981	11,318.35	7,681	6,366	6,085	17.89	340
1982	44,978,625.60	30,213,807	25,039,735	24,436,753	17.96	1,360,621
1984	1,957,212.86	1,286,012	1,065,784	1,087,150	18.10	60,064
1985	1,704.37	1,107	917	957	18.17	53
1986	608,706.59	390,297	323,459	346,118	18.24	18,976
1987	123,117.61	77,927	64,582	70,847	18.30	3,871
1988	401,560.78	250,714	207,780	233,937	18.36	12,742
1990	65,980.65	39,984	33,137	39,442	18.48	2,134
1992	63,366.14	37,145	30,784	38,919	18.59	2,094
1993	72,295.22	41,613	34,487	45,038	18.64	2,416
1994	175,632.11	99,163	82,181	111,014	18.69	5,940
1995	2,177,981.40	1,205,197	998,809	1,396,971	18.73	74,585
1996	261,791.90	141,688	117,424	170,547	18.78	9,081
1997	641,399.71	339,139	281,062	424,478	18.82	22,555
1998	186,673.04	96,249	79,766	125,574	18.86	6,658
1999	499,059.76	250,394	207,514	341,451	18.90	18,066
2000	9,899.82	4,822	3,996	6,894	18.94	364
2001	321,317.64	151,510	125,564	227,885	18.98	12,007
2002	1,558,350.90	709,982	588,399	1,125,787	19.01	59,221
2003	18,848,257.17	8,261,719	6,846,911	13,886,172	19.05	728,933
2004	52,849,370.86	22,202,655	18,400,481	39,733,826	19.08	2,082,486
2005	107,671.37	43,168	35,776	82,663	19.11	4,326
2006	958,853.85	365,035	302,523	752,216	19.14	39,301
2007	1,996,474.13	716,353	593,679	1,602,443	19.17	83,591
2008	46,235.80	15,517	12,860	38,000	19.20	1,979
2009	1,282,542.79	398,494	330,252	1,080,545	19.23	56,191
2010	98,917.56	28,083	23,274	85,535	19.26	4,441
2011	2,020,997.52	515,959	427,602	1,795,496	19.29	93,079
2012	1,346,461.45	302,205	250,453	1,230,655	19.31	63,731
2013	11,697,943.12	2,232,552	1,850,231	11,017,507	19.34	569,675
2014	190,039.04	29,400	24,365	184,678	19.37	9,534
2015	864,249.38	100,020	82,892	867,783	19.39	44,754
2016	126,466,623.40	9,167,566	7,597,633	131,515,653	19.42	6,772,176
2017	1,189,192.61	29,576	24,511	1,283,601	19.45	65,995
	277,512,948.88	82,106,051	68,045,505	237,218,739		12,394,515

LOUISVILLE GAS AND ELECTRIC COMPANY  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	612,880.78	411,695	120,512	553,657	17.96	30,827
1996	185,176.23	100,221	29,337	174,357	18.78	9,284
2001	1,482,747.00	699,154	204,657	1,426,365	18.98	75,151
2003	765,122.16	335,374	98,171	743,463	19.05	39,027
2004	1,973,751.17	829,197	242,723	1,928,403	19.08	101,069
2007	72,067.10	25,858	7,569	71,705	19.17	3,740
2016	144,698,844.87	10,489,219	3,070,416	156,098,314	19.42	8,038,018
2017	546,111.42	13,582	3,976	596,747	19.45	30,681
	150,336,700.73	12,904,300	3,777,361	161,593,010		8,327,797
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1980	440,249.54	282,540	272,557	211,718	20.57	10,293
1981	227,438.94	144,315	139,216	110,967	20.68	5,366
1982	333,336.91	208,973	201,589	165,081	20.79	7,940
1984	75,257,757.35	46,016,055	44,390,163	38,393,370	20.99	1,829,127
1985	332,766.67	200,735	193,642	172,401	21.09	8,175
1986	8,768,653.94	5,216,876	5,032,547	4,612,972	21.18	217,798
1987	376,721.61	220,797	212,996	201,398	21.28	9,464
1988	462,429.35	266,956	257,524	251,149	21.36	11,758
1989	811,031.27	460,654	444,378	447,757	21.45	20,874
1990	1,327,667.49	741,404	715,208	745,226	21.53	34,613
1991	5,021,081.98	2,753,918	2,656,613	2,866,577	21.61	132,650
1992	844,777.73	454,564	438,503	490,753	21.69	22,626
1993	114,757.39	60,505	58,367	67,866	21.77	3,117
1994	250,426.34	129,267	124,700	150,769	21.84	6,903
1995	757,416.49	402,396	389,178	488,980	21.91	22,318
1996	3,239,846.39	1,596,561	1,540,149	2,023,682	21.97	92,111
1997	876,303.85	420,584	405,723	558,211	22.04	25,327
1998	3,656,385.26	1,707,269	1,646,946	2,375,078	22.10	107,470
1999	1,633,933.14	831,239	801,869	1,215,458	22.16	54,849
2000	5,871,514.94	2,578,558	2,487,449	3,971,217	22.21	178,803
2001	25,318,630.11	10,736,087	10,356,747	17,493,746	22.27	785,530
2002	4,879,231.04	1,992,663	1,922,256	3,444,898	22.32	154,341
2003	62,520,901.01	24,501,066	23,635,366	45,137,625	22.37	2,017,775
2004	1,326,226.15	496,578	479,032	979,816	22.42	43,703

LOUISVILLE GAS AND ELECTRIC COMPANY

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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2005	2,556,930.89	910,165	878,006	1,934,618	22.47	86,098
2006	5,814,897.13	3,307,149	3,190,297	7,606,090	22.51	337,898
2007	928,271.54	293,719	283,341	737,758	22.56	32,702
2008	3,687,741.26	1,086,740	1,048,342	3,008,173	22.60	133,105
2009	2,114,686.17	574,770	554,462	1,771,693	22.64	78,255
2010	3,987,749.56	987,626	952,730	3,433,794	22.68	151,402
2011	6,739,165.81	1,490,400	1,437,739	5,975,343	22.73	262,884
2012	4,910,365.62	952,051	918,412	4,482,990	22.76	196,968
2013	749,585.26	123,063	118,715	705,829	22.80	30,957
2014	207,447,357.68	27,424,126	26,455,145	201,736,948	22.84	8,832,616
2015	5,063,304.43	496,644	479,096	5,090,539	22.88	222,489
2016	6,021,634.43	365,832	352,906	6,270,892	22.92	273,599
2017	12,545,463.90	265,374	255,998	13,544,013	22.95	590,153
	471,456,638.57	140,698,219	135,726,909	382,875,393		17,032,057
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1983	4,903,950.91	3,037,340	1,365,103	4,029,243	20.89	192,879
1988	230,585.19	133,115	59,827	193,816	21.36	9,074
1989	7,208.39	4,094	1,840	6,089	21.45	284
1996	3,808,915.50	1,876,992	843,596	3,346,211	21.97	152,308
1997	68,399.24	32,828	14,754	60,485	22.04	2,744
2000	21,635,151.15	9,501,380	4,270,302	19,528,365	22.21	879,260
2001	1,393,120.25	590,737	265,501	1,266,931	22.27	56,890
2002	5,020,125.34	2,050,204	921,444	4,600,694	22.32	206,124
2003	527,503.85	206,721	92,909	487,346	22.37	21,786
2004	43,152.01	16,157	7,262	40,206	22.42	1,793
2005	198,430.50	70,633	31,745	186,528	22.47	8,301
2006	419,388.57	141,314	63,512	397,815	22.51	17,673
2007	383,959.54	121,491	54,603	367,753	22.56	16,301
2008	7,529.57	2,219	997	7,285	22.60	322
2009	100,088.52	27,204	12,227	97,871	22.64	4,323
2010	55,099.59	13,646	6,133	54,476	22.68	2,402
2011	2,128,403.02	470,707	211,555	2,129,689	22.73	93,695
2012	10,357,724.83	2,008,218	902,574	10,490,923	22.76	460,937
2013	108,472.50	17,808	8,004	111,316	22.80	4,882

LOUISVILLE GAS AND ELECTRIC COMPANY

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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2014	141,385,875.63	18,690,930	8,400,455	147,124,009	22.84	6,441,507
2015	12,158.39	1,193	536	12,838	22.88	561
2016	226,721.31	13,774	6,191	243,203	22.92	10,611
2017	13,327,284.78	281,912	126,703	14,533,311	22.95	633,260
	206,349,248.58	39,310,617	17,667,770	209,316,403		9,217,917
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	128,938,346.70	64,890,080	60,308,416	86,681,299	27.00	3,210,418
1992	38,267.84	18,443	17,141	26,485	27.28	971
1994	196,865.96	90,393	84,011	140,417	27.55	5,097
1995	12,880.29	5,761	5,354	9,329	27.68	337
1996	434,526.73	189,000	175,655	319,705	27.80	11,500
1997	1,429,634.78	603,770	561,140	1,068,644	27.92	38,275
1998	5,164,667.09	2,113,809	1,964,560	3,923,160	28.03	139,963
1999	300,546.33	118,924	110,527	232,096	28.14	8,248
2000	82,881.85	31,621	29,388	65,097	28.25	2,304
2001	475,951.02	174,674	162,341	380,243	28.35	13,412
2002	36,738,757.54	12,926,098	12,013,431	29,868,753	28.45	1,049,868
2003	5,176,645.95	1,739,195	1,616,396	4,284,980	28.55	150,087
2004	426,942.12	136,475	126,839	359,875	28.64	12,565
2005	3,353,308.40	1,013,875	942,289	2,880,483	28.73	100,260
2006	283,707.42	80,688	74,991	248,436	28.82	8,620
2007	272,649.64	72,490	67,372	243,449	28.90	8,424
2008	4,413,630.64	1,087,416	1,010,637	4,020,902	28.98	138,747
2009	2,650,534.52	600,900	558,473	2,474,537	29.06	85,153
2010	9,483,989.61	1,936,925	1,800,165	9,011,583	29.14	309,251
2011	10,795,021.22	1,958,428	1,820,150	10,486,174	29.22	358,870
2012	588,820.22	92,821	86,267	584,988	29.29	19,972
2013	3,422,355.95	453,353	421,343	3,480,142	29.36	118,533
2014	404,146.80	42,880	39,852	420,875	29.43	14,301
2015	85,910,747.57	6,710,729	6,236,908	91,701,345	29.50	3,108,520
2016	2,569,112.46	123,331	114,623	2,814,165	29.57	95,170
2017	19,342,589.55	315,323	293,059	21,757,493	29.64	734,058
	322,917,528.20	97,527,402	90,641,330	277,484,652		9,742,924

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	50,010,558.20	25,168,534	28,728,586	28,283,450	27.00	1,047,535
1994	253,366.21	116,335	132,790	156,047	27.55	5,664
1996	7,760.87	3,376	3,854	4,994	27.80	180
1997	146,964.06	62,067	70,846	96,693	27.92	3,463
1998	546,174.12	223,540	255,159	367,479	28.03	13,110
1999	139,582.70	55,232	63,044	96,080	28.14	3,414
2002	1,958,503.95	689,077	786,546	1,446,149	28.45	50,831
2004	3,912.29	1,251	1,428	3,032	28.64	105
2005	4,261,077.44	1,294,387	1,477,476	3,492,952	28.73	118,446
2006	4,579,814.50	1,302,532	1,486,773	3,734,215	28.82	129,570
2007	650,100.00	226,017	257,987	711,127	28.90	24,606
2010	33,337.92	6,809	7,772	30,233	29.14	1,038
2012	552,605.79	87,112	99,434	530,537	29.29	18,113
2015	89,147.45	6,964	7,949	93,679	29.50	3,176
2016	3,384,658.53	162,482	185,465	3,673,046	29.57	124,215
	66,837,564.03	29,405,715	33,565,110	42,629,713		1,543,467
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	127,801,331.09	16,632,372	23,884,488	121,809,030	40.35	3,018,811
2012	3,547,408.00	396,761	569,758	3,474,287	40.54	85,700
2013	749,362.16	69,922	100,410	753,863	40.72	18,513
2014	3,433,135.22	254,160	364,980	3,548,794	40.89	86,789
2015	4,526,898.46	243,067	349,050	4,811,614	41.07	117,156
2016	2,526,423.25	82,746	118,825	2,761,297	41.24	66,957
2017	3,863,446.73	43,206	62,045	4,342,284	41.40	104,886
	146,448,004.91	17,722,234	25,449,556	141,501,170		3,498,812



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	14,418,804.49	1,876,498	2,930,696	13,506,741	40.35	334,740
2012	298,031.71	33,333	52,059	287,697	40.54	7,097
2013	141,070.30	13,163	20,558	140,262	40.72	3,445
2014	275,467.84	20,393	31,850	282,184	40.89	6,901
2016	18,889.14	619	967	20,567	41.24	499
	15,152,263.48	1,944,006	3,036,129	14,237,451		352,682
	2,169,400,746.49	551,059,647	459,533,030	1,948,862,005		94,160,477
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						20.7 4.34

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2021						
NET SALVAGE PERCENT.. 0						
1972	411,750.29	378,477	231,546	180,204	4.00	45,051
	411,750.29	378,477	231,546	180,204		45,051
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 6-2019						
NET SALVAGE PERCENT.. 0						
1982	947,826.39	909,402	635,948	311,878	1.50	207,919
	947,826.39	909,402	635,948	311,878		207,919
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2023						
NET SALVAGE PERCENT.. 0						
1990	4,867,827.96	3,996,000	1,858,074	3,009,754	6.00	501,626
	4,867,827.96	3,996,000	1,858,074	3,009,754		501,626
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2021						
NET SALVAGE PERCENT.. 0						
2011	5,057,242.50	3,130,686	614,262	4,442,980	4.00	1,110,745
	5,057,242.50	3,130,686	614,262	4,442,980		1,110,745
	11,284,647.14	8,414,565	3,339,830	7,944,816		1,865,341
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.3						16.53

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	9,558,559.29	8,000,629	7,216,155	3,298,260	12.48	264,284
1975	33,622.25	27,621	24,913	12,072	12.78	945
1988	9,480.76	6,975	6,291	4,138	13.66	303
1992	27,075.30	18,932	17,076	12,707	13.83	919
1993	971,441.12	669,202	603,586	465,000	13.87	33,526
1994	185,064.18	125,477	113,174	90,397	13.91	6,499
1995	28,446.40	18,965	17,105	14,186	13.94	1,018
1996	254,031.63	166,350	150,039	129,396	13.97	9,262
1999	18,356.35	11,278	10,172	10,020	14.06	713
2002	180,996.96	102,521	92,469	106,628	14.13	7,546
2003	271,428.49	148,808	134,217	164,354	14.15	11,615
2004	691,281.91	365,430	329,599	430,811	14.17	30,403
2007	200,644.13	92,360	83,304	137,405	14.23	9,656
2008	175,609.64	76,185	68,715	124,456	14.25	8,734
2012	326,557.97	98,281	88,644	270,569	14.31	18,908
2013	6,506,511.77	1,688,088	1,522,568	5,634,595	14.32	393,477
2015	6,242,518.01	1,005,501	906,910	5,959,860	14.34	415,611
2017	289,718.68	10,517	9,486	309,205	14.36	21,532
	25,971,344.84	12,633,120	11,394,423	17,174,056		1,234,951
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	10,010,798.61	7,982,290	7,471,761	3,540,118	14.21	249,129
1977	32,117.17	25,216	23,603	11,726	14.45	811
1986	8,428.02	6,083	5,694	3,577	15.25	235
1988	95,857.96	67,580	63,258	42,186	15.38	2,743
1995	666,220.77	422,015	395,024	337,819	15.74	21,462
1996	37,365.50	23,203	21,719	19,383	15.79	1,228
1997	333,008.13	202,459	189,510	176,799	15.83	11,169
1999	7,342.02	4,259	3,987	4,090	15.90	257
2002	1,065,664.45	566,234	530,019	642,212	16.00	40,138
2003	1,519,049.93	779,300	729,458	941,497	16.03	58,733
2005	196,319.25	92,779	86,845	129,106	16.09	8,024
2007	109,533.51	46,732	43,743	76,744	16.13	4,758
2008	56,103.77	22,466	21,029	40,685	16.16	2,518
2010	57,422.60	19,677	18,419	44,746	16.20	2,762

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>MILL CREEK UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
2011	266,698.44	82,633	77,348	216,020	16.22	13,318
2012	5,789,721.97	1,587,779	1,486,228	4,882,466	16.23	300,830
2013	75,226.48	17,664	16,534	66,215	16.25	4,075
2014	350,971.22	67,218	62,919	323,149	16.27	19,862
2015	7,505,834.09	1,083,820	1,014,501	7,241,916	16.28	444,835
2016	23,846.81	2,170	2,031	24,200	16.30	1,485
2017	53,605.89	1,720	1,610	57,356	16.31	3,517
	28,261,136.61	13,103,297	12,265,240	18,822,010		1,191,889
<b>MILL CREEK UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1978	2,296,618.42	1,688,540	1,863,054	663,227	17.31	38,315
1982	18,526,289.24	13,056,162	14,405,541	5,973,377	17.92	333,336
1989	2,208.14	1,420	1,567	862	18.73	46
1993	27,779.22	16,681	18,405	12,152	19.09	637
1994	904,453.22	532,788	587,853	407,046	19.16	21,245
1995	96,282.76	55,522	61,260	44,651	19.24	2,321
1996	1,108,386.56	625,146	689,756	529,469	19.31	27,419
1997	174,257.56	95,989	105,910	85,774	19.37	4,428
1999	7,342.02	3,832	4,228	3,848	19.50	197
2003	93,997.54	42,816	47,241	56,156	19.71	2,849
2004	1,744,925.53	761,913	840,658	1,078,760	19.75	54,621
2006	107,652.56	42,508	46,901	71,517	19.84	3,605
2007	23,053.86	8,577	9,463	15,896	19.88	800
2008	1,168,159.07	406,271	448,260	836,715	19.92	42,004
2009	159,202.21	51,276	56,575	118,547	19.95	5,942
2010	260,400.84	76,546	84,457	201,984	19.99	10,104
2011	380,117.96	100,447	110,828	307,301	20.02	15,350
2012	3,017,535.58	700,166	772,529	2,546,738	20.05	127,019
2013	1,093,522.18	215,796	238,099	964,775	20.08	48,047
2014	78,875.74	12,647	13,954	72,809	20.10	3,622
2015	2,986,643.68	356,456	393,296	2,892,012	20.13	143,667
2016	475,678.68	35,576	39,253	483,994	20.15	24,020
2017	140,774.32	3,673	4,053	150,799	20.17	7,476
	34,874,136.89	18,890,748	20,843,142	17,518,409		917,070

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1984	26,543,252.72	17,216,644	17,293,775	11,903,803	20.96	567,930
1989	2,208.14	1,325	1,331	1,098	21.78	50
1990	10,208.27	6,016	6,043	5,186	21.93	236
1991	2,277,121.66	1,317,543	1,323,446	1,181,388	22.06	53,553
1992	1,626,712.57	923,000	927,135	862,249	22.19	38,858
1993	30,320.47	16,854	16,930	16,423	22.31	736
1994	51,864.99	28,198	28,324	28,727	22.43	1,281
1996	209,000.84	108,322	108,807	121,094	22.65	5,346
1997	474,920.55	239,709	240,783	281,630	22.75	12,379
1998	63,359.58	31,088	31,227	38,468	22.85	1,684
1999	7,342.02	3,495	3,511	4,566	22.94	199
2000	2,816.43	1,298	1,304	1,794	23.02	78
2001	732,712.71	325,924	327,384	478,600	23.11	20,710
2003	253,031.34	103,877	104,342	173,992	23.26	7,480
2005	1,800,731.23	671,097	674,104	1,306,701	23.40	55,842
2006	906,191.19	319,368	320,799	676,012	23.46	28,836
2008	560,545.24	172,648	173,421	443,178	23.58	18,795
2009	25,026.43	7,096	7,128	20,401	23.64	863
2011	3,696,430.48	852,737	856,557	3,209,516	23.74	135,194
2012	2,267,042.35	457,154	459,202	2,034,545	23.79	85,521
2013	139,939.53	23,900	24,007	129,926	23.83	5,452
2014	12,071,479.73	1,659,828	1,667,264	11,611,364	23.87	486,442
2015	873,461.09	88,971	89,370	871,438	23.91	36,447
2016	17,756.85	1,122	1,127	18,406	23.95	769
2017	414,559.92	9,129	9,170	446,846	23.98	18,634
	55,058,036.33	24,586,343	24,696,491	35,867,349		1,583,295

TRIMBLE COUNTY UNIT 1  
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5  
PROBABLE RETIREMENT YEAR.. 6-2050  
NET SALVAGE PERCENT.. -14

1990	39,208,203.86	21,355,501	24,629,889	20,067,463	27.26	736,151
1994	38,695.05	19,133	22,057	22,046	28.24	781
1996	35,401.53	16,545	19,082	21,276	28.67	742
1997	231,629.41	104,873	121,068	142,989	28.87	4,953
1998	17,799.41	7,809	9,006	11,285	29.06	368
2000	61,094.28	24,938	28,762	40,886	29.42	1,390

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
2001	172,557.22	67,694	78,073	118,642	29.58	4,011
2002	1,635,647.75	614,268	708,452	1,156,186	29.74	38,876
2003	257,463.44	92,294	106,445	187,063	29.89	6,258
2005	65,186.67	20,982	24,199	50,114	30.17	1,661
2007	14,260,066.39	4,023,965	4,640,950	11,635,526	30.43	381,713
2008	40,206.06	10,513	12,125	33,710	30.54	1,104
2009	57,074.38	13,650	15,743	49,322	30.66	1,609
2010	670,352.58	144,946	167,170	597,032	30.76	19,409
2011	481,291.72	92,407	106,576	442,097	30.86	14,326
2012	38,994.69	6,498	7,494	36,960	30.96	1,194
2013	52,600.67	7,353	8,480	51,484	31.05	1,658
2014	195,870.01	21,863	25,215	198,077	31.14	6,361
2016	198,565.22	10,091	11,638	214,726	31.29	6,862
2017	1,818,876.48	31,248	36,039	2,037,480	31.37	64,950
	59,537,576.82	26,686,671	30,778,475	37,094,363		1,294,397
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
1990	4,145,218.19	1,991,110	2,173,456	2,552,093	33.66	75,820
2011	16,253,511.69	2,317,978	2,530,258	15,998,745	43.08	371,373
2012	15,127.01	1,853	2,023	15,222	43.37	351
2014	557,510.81	44,934	49,049	586,513	43.90	13,360
2015	136,494.28	7,990	8,722	146,882	44.15	3,327
2016	554,322.02	19,855	21,673	610,254	44.39	13,748
2017	304,834.06	3,698	4,037	343,474	44.62	7,698
	21,967,018.06	4,387,418	4,789,217	20,253,184		485,677
	225,669,249.55	100,287,597	104,766,988	146,729,371		6,707,279
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 21.9 2.97						

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	4,720,222.42	3,964,746	4,276,341	915,903	12.96	70,672
1974	782,485.11	649,251	700,277	160,457	13.14	12,211
1975	176,219.38	145,298	156,717	37,124	13.22	2,808
1985	6,939.48	5,293	5,709	1,924	13.80	139
1986	10,096.51	7,623	8,222	2,884	13.85	208
1987	44,680.97	33,386	36,010	13,139	13.89	946
1988	88,192.17	65,199	70,323	26,688	13.92	1,917
1989	96,763.03	70,695	76,251	30,188	13.96	2,162
1993	23,071.28	15,968	17,223	8,155	14.09	579
1994	178,344.24	121,493	131,041	65,137	14.12	4,613
1996	0.30		0			
1997	1,313,417.99	847,409	914,008	530,752	14.19	37,403
1998	147,043.85	92,892	100,193	61,556	14.21	4,332
2000	6,796,392.22	4,094,024	4,415,779	3,060,252	14.25	214,755
2001	216,842.59	127,111	137,101	101,426	14.27	7,108
2004	12,633.27	6,707	7,234	6,662	14.32	465
2008	4,667.04	2,032	2,192	2,942	14.38	205
2011	261,938.32	89,188	96,197	191,935	14.41	13,320
2013	19,456.75	5,073	5,472	15,931	14.42	1,105
2015	3,149,356.34	509,528	549,573	2,914,719	14.44	201,850
2017	533,319.71	19,618	21,160	565,492	14.45	39,134
	18,582,082.97	10,872,534	11,727,023	8,713,268		615,932
MILL CREEK UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1983	202,167.22	157,056	220,362	2,022	13.71	147
	202,167.22	157,056	220,362	2,022		147
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	4,594,976.40	3,676,068	3,972,831	1,081,643	14.77	73,232
1981	19,704.77	15,021	16,234	5,442	15.30	356

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 2 INTERIM SURVIVOR CURVE.. IOWA 65-R3 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -10						
1983	8,343.81	6,245	6,749	2,429	15.43	157
1984	66,767.91	49,469	53,463	19,982	15.50	1,289
1986	19,863.78	14,405	15,568	6,282	15.62	402
1987	1,136.02	815	881	369	15.67	24
1988	82,230.58	58,254	62,957	27,497	15.72	1,749
1989	99,084.22	69,306	74,901	34,092	15.77	2,162
1990	46,374.58	32,001	34,584	16,428	15.82	1,038
1991	78,172.89	53,182	57,475	28,515	15.86	1,798
1993	74,345.76	49,027	52,985	28,795	15.94	1,806
1994	137,636.61	89,205	96,406	54,994	15.98	3,441
1997	1,229,516.67	751,201	811,844	540,624	16.08	33,621
1998	497,415.48	297,095	321,079	226,078	16.11	14,033
2001	318,180.75	175,321	189,474	160,524	16.19	9,915
2002	32,290.53	17,241	18,633	16,887	16.21	1,042
2005	3,582.67	1,701	1,838	2,103	16.28	129
2008	12,413.17	4,995	5,398	8,256	16.33	506
2012	195,890.66	53,943	58,298	157,182	16.38	9,596
2013	74,934.03	17,694	19,122	63,305	16.39	3,862
2014	46,004.41	8,880	9,597	41,008	16.40	2,500
2015	943,364.81	136,717	147,754	889,947	16.41	54,232
2016	4,342,229.81	399,837	432,115	4,344,338	16.42	264,576
2017	222,731.66	7,235	7,819	237,186	16.43	14,436
	13,147,191.98	5,984,858	6,468,006	7,993,905		495,902
MILL CREEK UNIT 2 SCRUBBER INTERIM SURVIVOR CURVE.. IOWA 65-R3 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -10						
2015	2,694,916.35	390,561	765,601	2,198,807	16.41	133,992
	2,694,916.35	390,561	765,601	2,198,807		133,992



LOUISVILLE GAS AND ELECTRIC COMPANY  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM: LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	13,739,330.10	9,714,654	12,091,486	3,021,777	18.60	162,461
1987	9,969.82	6,628	8,250	2,717	19.10	142
1988	3,231.24	2,119	2,637	917	19.18	48
1989	392,292.18	253,441	315,449	116,072	19.26	6,027
1990	150,092.97	95,446	118,798	46,304	19.34	2,394
1991	60,001.02	37,539	46,723	19,278	19.41	993
1993	94,815.20	57,217	71,216	33,081	19.55	1,692
1994	6,239.17	3,693	4,597	2,267	19.61	116
1997	151,399.17	83,814	104,320	62,219	19.77	3,147
2007	7,967.19	2,978	3,707	5,057	20.17	251
2009	173,735.34	56,184	69,930	121,179	20.22	5,993
2012	84,503.54	19,710	24,532	68,422	20.29	3,372
2013	10,937.97	2,166	2,696	9,336	20.31	460
2014	39,504.05	6,354	7,909	35,546	20.32	1,749
2015	142,860.84	17,140	21,334	135,813	20.34	6,677
2016	11,667,104.04	875,138	1,089,253	11,744,561	20.36	576,845
2017	57,028.30	1,503	1,871	60,860	20.37	2,988
	26,791,012.14	11,235,724	13,984,708	15,485,405		775,355
MILL CREEK UNIT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	1,013,024.76	716,278	683,415	430,912	18.60	23,167
1993	75,852.16	45,774	43,674	39,763	19.55	2,034
2016	8,703,304.86	652,826	622,874	8,950,761	20.36	439,625
	9,792,181.78	1,414,878	1,349,963	9,421,437		464,826
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1975	610,264.79	441,864	516,606	154,685	20.12	7,688
1981	2,134,007.29	1,442,482	1,686,479	660,929	21.38	30,913
1983	429,885.94	283,238	331,148	141,727	21.72	6,525
1984	16,995,052.01	11,046,240	12,914,724	5,779,834	21.88	264,161

LOUISVILLE GAS AND ELECTRIC COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1985	68,296.45	43,775	51,180	23,947	22.03	1,087
1986	1,536,512.19	970,205	1,134,316	555,847	22.18	25,061
1987	30,412.62	18,916	22,116	11,338	22.31	508
1988	429,640.93	263,014	307,503	165,102	22.44	7,357
1989	432,858.98	260,523	304,591	171,554	22.57	7,601
1991	89,579.56	52,024	60,824	37,714	22.79	1,655
1994	6,239.17	3,406	3,982	2,881	23.09	125
1996	14,195.63	7,387	8,637	6,979	23.27	300
1997	46,174.62	23,408	27,367	23,425	23.35	1,003
2000	70,461.55	32,630	38,149	39,358	23.56	1,671
2001	24,217.50	10,823	12,654	13,986	23.63	592
2002	106,974.51	46,010	53,793	63,879	23.69	2,696
2005	5,395.13	2,020	2,362	3,573	23.86	150
2007	8,334.63	2,770	3,239	5,930	23.95	248
2008	492,580.23	152,262	178,017	363,821	24.00	15,159
2009	58,526.04	16,670	19,490	44,889	24.04	1,867
2011	70,789.13	16,415	19,192	58,676	24.11	2,434
2012	1,135,269.23	230,003	268,908	979,888	24.14	40,592
2013	54,373.95	9,335	10,914	48,897	24.17	2,023
2014	2,354,305.36	325,582	380,655	2,209,081	24.20	91,284
2015	2,913,999.33	297,621	347,964	2,857,435	24.23	117,930
2016	23,297.30	1,493	1,745	23,881	24.25	985
2017	860,990.24	18,733	21,902	925,188	24.28	38,105
	31,002,634.31	16,018,849	18,728,455	15,374,443		669,720
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2003	53,899.52	22,234	51,127	8,162	23.75	344
2014	1,613,417.17	223,123	513,074	1,261,685	24.20	52,136
	1,667,316.69	245,357	564,201	1,269,847		52,480

LOUISVILLE GAS AND ELECTRIC COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	44,621,984.19	24,283,873	26,683,021	24,186,041	28.65	844,190
1992	7,925.03	4,122	4,529	4,505	29.08	155
1993	36,015.56	18,285	20,091	20,966	29.28	716
1994	3,105,541.63	1,536,604	1,688,414	1,851,903	29.47	62,840
1996	16,791.24	7,857	8,633	10,509	29.83	352
1997	11,557.40	5,247	5,765	7,420	29.99	247
1998	51,241.29	22,523	24,748	33,667	30.15	1,117
2000	79,034.14	32,336	35,631	54,568	30.44	1,793
2001	17,727.44	6,972	7,661	12,548	30.57	410
2003	31,908.05	11,468	12,601	23,774	30.82	771
2005	22,378.23	7,228	7,942	17,569	31.04	566
2009	249,300.73	59,839	65,751	218,452	31.42	6,953
2010	119,663.51	25,950	28,514	107,903	31.50	3,425
2011	694,741.82	133,809	147,029	644,977	31.58	20,424
2013	33,727.78	4,730	5,197	33,252	31.72	1,048
2015	15,555,328.27	1,281,392	1,407,988	16,325,086	31.84	512,723
2016	145,099.43	7,384	8,114	157,300	31.89	4,933
2017	298,835.86	5,144	5,652	335,021	31.95	10,486
	65,098,801.60	27,454,763	30,167,182	44,045,452		1,473,149
TRIMBLE COUNTY UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1979	71,999.18	47,727	76,325	5,754	25.40	227
1990	2,664,921.03	1,450,285	2,319,289	718,721	28.65	25,086
	2,736,920.21	1,498,012	2,395,614	724,475		25,313
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2010	34,379.96	5,540	5,989	33,204	44.71	743
2011	8,882,476.37	1,260,285	1,362,360	8,763,663	44.95	194,965
2012	1,130,271.18	138,012	149,190	1,139,319	45.18	25,217
2013	11,211.95	1,136	1,228	11,554	45.41	254

LOUISVILLE GAS AND ELECTRIC COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2014	108,078.94	8,688	9,392	113,818	45.61	2,495
2015	247,338.42	14,425	15,593	266,372	45.81	5,815
2016	206,007.20	7,320	7,913	226,935	46.00	4,933
2017	59,374.14	725	784	66,903	46.17	1,449
	10,679,138.16	1,436,131	1,552,448	10,621,770		235,871
	182,394,363.41	76,708,723	87,923,563	115,850,831		4,942,687
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						23.4 2.71

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RIVERPORT DISTRIBUTION CENTER						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2063						
NET SALVAGE PERCENT.. -2						
2013	487,938.91	50,825	61,731	435,967	37.28	11,694
2016	21,052.85	759	922	20,552	38.76	530
2017	73,926.20	893	1,085	74,320	39.21	1,895
	582,917.96	52,477	63,737	530,839		14,119
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	325,508.28	285,570	301,827	56,232	8.94	6,290
1973	69,337.68	60,324	63,758	12,513	9.20	1,360
1981	14,471.42	11,682	12,347	3,572	11.15	320
2001	186,981.08	109,541	115,777	89,902	13.70	6,562
2003	50,572.50	27,815	29,398	26,231	13.81	1,899
2010	44,349.97	16,604	17,549	31,236	14.11	2,214
2012	17,602.50	5,314	5,617	13,746	14.17	970
2015	15,511.04	2,494	2,636	14,426	14.25	1,012
2017	312,423.29	11,393	12,042	331,624	14.29	23,207
	1,036,757.76	530,737	560,951	579,483		43,834
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1974	30,534.16	25,959	28,044	5,544	10.03	553
1977	12,631.04	10,413	11,249	2,645	10.93	242
1978	3,514.49	2,866	3,096	770	11.23	69
1979	4,222.33	3,405	3,678	966	11.52	84
1991	31,738.22	21,833	23,587	11,325	14.24	795
1998	6,708.80	4,024	4,347	3,032	15.13	200
2005	3,862.94	1,835	1,982	2,267	15.69	144
2010	9,949.34	3,419	3,694	7,251	15.96	454
2012	33,862.98	9,317	10,065	27,184	16.04	1,695
2015	4,291.92	620	670	4,051	16.15	251
	141,316.22	83,691	90,413	65,035		4,487

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1978	245,660.68	194,777	265,635	4,592	12.33	372
1980	13,104.31	10,106	13,782	632	13.10	48
1981	3,413.80	2,595	3,539	216	13.48	16
1982	3,099.18	2,321	3,165	244	13.85	18
1987	4,218.63	2,916	3,977	664	15.57	43
1991	33,921.67	21,805	29,737	7,576	16.70	454
2000	3,356.42	1,728	2,357	1,335	18.48	72
2010	9,949.34	2,945	4,016	6,928	19.56	354
2013	30,822.45	6,117	8,342	25,562	19.76	1,294
	347,546.48	245,310	334,551	47,750		2,671
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1976	25,108.31	20,164	20,141	7,478	12.08	619
1977	6,974.10	5,520	5,514	2,158	12.53	172
1983	49,937.51	35,830	35,790	19,141	15.30	1,251
1984	135,989.65	95,801	95,694	53,895	15.76	3,420
1985	82,073.54	56,739	56,675	33,605	16.21	2,073
1986	176,507.31	119,733	119,599	74,559	16.64	4,481
1987	121,720.07	80,936	80,845	53,047	17.07	3,108
1988	136,481.52	88,908	88,808	61,321	17.49	3,506
1989	78,089.43	49,817	49,761	36,137	17.89	2,020
1990	32,896.89	20,542	20,519	15,668	18.27	858
1991	809,076.77	493,843	493,290	396,695	18.65	21,271
1992	96,062.66	57,314	57,250	48,419	19.00	2,548
1993	68,683.45	39,982	39,937	35,615	19.35	1,841
1994	235,578.67	133,774	133,624	125,512	19.67	6,381
1995	358,477.53	198,243	198,021	196,304	19.98	9,825
1996	322,994.73	173,796	173,601	181,693	20.27	8,964
1997	199,906.14	104,473	104,356	115,541	20.55	5,622
1998	49,525.85	25,108	25,080	29,399	20.81	1,413
1999	514,957.55	252,604	252,321	314,132	21.06	14,916
2000	77,551.12	36,746	36,705	48,601	21.29	2,283
2001	228,291.05	104,217	104,100	147,020	21.51	6,835
2002	157,965.40	69,293	69,215	104,547	21.71	4,816

LOUISVILLE GAS AND ELECTRIC COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4 INTERIM SURVIVOR CURVE.. IOWA 45-R2.5 PROBABLE RETIREMENT YEAR.. 6-2042 NET SALVAGE PERCENT.. -10						
2003	701,409.79	294,424	294,094	477,457	21.91	21,792
2004	124,948.53	50,023	49,967	87,476	22.09	3,960
2005	108,210.13	41,124	41,078	77,953	22.26	3,502
2006	136,639.60	49,017	48,962	101,341	22.42	4,520
2007	122,140.23	41,079	41,033	93,321	22.57	4,135
2008	352,355.19	110,180	110,057	277,534	22.71	12,221
2009	270,140.46	77,795	77,708	219,447	22.84	9,608
2010	728,879.93	190,532	190,319	611,449	22.97	26,619
2011	506,134.20	118,342	118,209	438,538	23.08	19,001
2012	335,858.22	68,517	68,440	301,004	23.19	12,980
2013	345,692.57	59,614	59,547	320,715	23.29	13,771
2014	1,557,767.13	216,438	216,196	1,497,348	23.38	64,044
2015	216,662.05	22,277	22,252	216,076	23.47	9,206
2016	551,880.80	35,441	35,401	571,668	23.55	24,275
2017	911,778.27	19,969	19,947	983,009	23.63	41,600
	10,935,346.35	3,658,155	3,654,057	8,374,824		379,457
MILL CREEK UNIT 4 SCRUBBER INTERIM SURVIVOR CURVE.. IOWA 45-R2.5 PROBABLE RETIREMENT YEAR.. 6-2042 NET SALVAGE PERCENT.. -10						
2005	11,565.66	4,395	12,722			
2008	9,333.18	2,918	10,266			
2009	22,312.73	6,426	24,112	432	22.84	19
	43,211.57	13,739	47,101	432		19
TRIMBLE COUNTY UNIT 1 INTERIM SURVIVOR CURVE.. IOWA 45-R2.5 PROBABLE RETIREMENT YEAR.. 6-2050 NET SALVAGE PERCENT.. -14						
1990	1,636,998.57	1,001,970	1,070,731	795,447	20.45	38,897
1991	123,124.08	73,276	78,305	62,057	21.03	2,951
1992	11,512.41	6,656	7,113	6,011	21.60	278
1993	4,548.23	2,553	2,728	2,457	22.15	111
1994	64,029.36	34,841	37,232	35,761	22.69	1,576
1995	84,609.07	44,562	47,620	48,834	23.22	2,103

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1996	130,300.78	66,323	70,874	77,668	23.74	3,272
1997	41,301.53	20,297	21,690	25,394	24.23	1,048
1998	29,577.96	14,003	14,964	18,755	24.71	759
1999	23,726.57	10,794	11,535	15,514	25.18	616
2000	32,185.43	14,051	15,015	21,676	25.62	846
2001	17,686.90	7,388	7,895	12,268	26.04	471
2002	139,323.17	55,507	59,316	99,512	26.45	3,762
2003	149,646.14	56,640	60,527	110,070	26.84	4,101
2004	70,762.03	25,372	27,113	53,556	27.20	1,969
2005	32,621.18	11,019	11,775	25,413	27.55	922
2006	44,964.11	14,236	15,213	36,046	27.88	1,293
2008	93,628.50	25,429	27,174	79,562	28.49	2,793
2009	35,260.57	8,746	9,346	30,851	28.77	1,072
2010	143,979.41	32,182	34,391	129,746	29.03	4,469
2013	8,704.40	1,252	1,338	8,585	29.72	289
2017	175,362.80	3,101	3,314	196,600	30.46	6,454
	3,093,853.20	1,530,198	1,635,209	1,891,784		80,052
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	1,783,663.47	285,974	279,179	1,754,198	37.09	47,296
2012	181,270.34	24,862	24,271	182,377	37.73	4,834
2013	274,960.16	31,130	30,390	283,042	38.36	7,379
2014	319,319.69	28,427	27,752	326,273	38.96	8,631
2015	149,819.76	9,619	9,390	161,404	39.54	4,082
2016	136,297.87	5,314	5,188	150,192	40.10	3,745
2017	683,291.74	8,911	8,699	770,253	40.63	18,958
	3,528,603.03	394,237	384,869	3,637,738		94,925
	19,709,552.57	6,508,544	6,770,888	15,127,885		619,564
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 24.4						3.14



**Heichelbech, Nicholas**

---

**From:** Wiseman, Sara  
**Sent:** Wednesday, August 15, 2018 12:20 PM  
**To:** John Spanos (jspanos@gfnet.com)  
**Cc:** Pienaar, Lesley; Riggs, Eric  
**Subject:** FW: Software - Depreciation Study

Hi John,

Would you please update the information below as needed and return to us?

Thanks,

Sara

**From:** Pienaar, Lesley  
**Sent:** Monday, August 13, 2018 6:44 PM  
**To:** Wiseman, Sara ; Riggs, Eric  
**Subject:** Software - Depreciation Study

Sara,

Similar to the last rate case I need to update the software used in developing the rate case requirements. I believe you had John Spanos confirm the information below, could you forward him the request to review the information below and confirm the accuracy or correct where needed? Thank you.

Supplier	Gannett Fleming Valuation and Rate Consultants, LLC
Software / Program / Model	Proprietary Model prepared by Gannett Fleming, Inc.
Description and Use in Application	Prepared the depreciation study.
Hardware Specifications	Personal or multimedia computer with 4 Gig RAM
Operating System Specifications	Microsoft Office XP Pro, Windows 7

**Lesley-Ann Pienaar**

Manager, Financial Planning | Financial Planning | LG&E and KU  
220 W. Main Street, Louisville, KY 40202  
O: 502-627-2861  
[lge-ku.com](mailto:lge-ku.com)

**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Wednesday, August 15, 2018 12:20 PM  
**To:** Wiseman, Sara  
**Subject:** Automatic reply: Software - Depreciation Study

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

I will be out of the office beginning Monday afternoon August 13th and will return Thursday morning August 16th. I will be viewing emails as often as possible, however, if you need immediate assistance, please contact Meg Eckrich at 717-763-7212, x2304

**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Thursday, August 16, 2018 9:21 AM  
**To:** Wiseman, Sara  
**Cc:** Pienaar, Lesley; Riggs, Eric  
**Subject:** RE: Software - Depreciation Study

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

All:

I have edited the few items below for a more accurate response.

John

**From:** Wiseman, Sara  
**Sent:** Wednesday, August 15, 2018 12:20 PM  
**To:** Spanos, John J.  
**Cc:** Pienaar, Lesley ; Riggs, Eric  
**Subject:** FW: Software - Depreciation Study

Hi John,

Would you please update the information below as needed and return to us?

Thanks,

Sara

**From:** Pienaar, Lesley  
**Sent:** Monday, August 13, 2018 6:44 PM  
**To:** Wiseman, Sara <[Sara.Wiseman@lge-ku.com](mailto:Sara.Wiseman@lge-ku.com)>; Riggs, Eric <[Eric.Riggs@lge-ku.com](mailto:Eric.Riggs@lge-ku.com)>  
**Subject:** Software - Depreciation Study

Sara,

Similar to the last rate case I need to update the software used in developing the rate case requirements. I believe you had John Spanos confirm the information below, could you forward him the request to review the information below and confirm the accuracy or correct where needed? Thank you.

Supplier	Gannett Fleming Valuation and Rate Consultants, LLC
Software / Program / Model	Proprietary Model prepared by Gannett Fleming, Inc.
Description and Use in Application	Prepared the depreciation study.
Hardware Specifications	Personal or multimedia computer with 4 Gig RAM {now 8 Gig RAM}

Operating System Specifications      Microsoft Office XP Pro,  
Windows 7 (now Microsoft Office 365 Pro, Windows  
10)

**Lesley-Ann Pienaar**

Manager, Financial Planning | Financial Planning | LG&E and KU  
220 W. Main Street, Louisville, KY 40202

O: 502-627-2861

[lge-ku.com](mailto:lge-ku.com)

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**Heichelbech, Nicholas**

---

**From:** Rutter, Cheryl A. <crutter@GFNET.com>  
**Sent:** Tuesday, August 28, 2018 3:31 PM  
**To:** Wiseman, Sara  
**Cc:** Whitaker, Sherrie  
**Subject:** Invoice for Services Provided by Gannett Fleming re LG&E/KU Contract No. 131093 - Depreciation Study - Steam Assets - ACTION REQUESTED  
**Attachments:** 063789 - No. 3701 - August 23, 2018.pdf  
**Importance:** High

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Good afternoon, Sara.....

Attached is our invoice related to consulting services for LG&E/KU re Contract No. 131093 - Depreciation Study - Steam Assets during the period June 30 thru August 3, 2018. Please note that the charges have been allocated to the two entities.

Would you please take the necessary action to have the invoice approved and sent to your Accounts Payable folks for processing of payment.

No paper copy will be sent.

If you have any questions related to the invoice, please contact either John Spanos at [jspanos@gfnet.com](mailto:jspanos@gfnet.com) or me at [crutter@gfnet.com](mailto:crutter@gfnet.com).

Thank you, and have a pleasant day.

Cheryl

**Cheryl Ann Rutter, CPS** | Administrator  
Gannett Fleming Valuation and Rate Consultants, LLC  
Mailing Address: P.O. Box 67100, Harrisburg, PA 17106-7100  
Physical Address: 207 Senate Avenue, Camp Hill, PA 17011  
t 717.763.7211 x2283 | f 717.763.4590 | [crutter@gfnet.com](mailto:crutter@gfnet.com)  
**Excellence Delivered As Promised**  
Gannett Fleming is ISO 9001:2008 Certified.  
[www.gannettfleming.com](http://www.gannettfleming.com) | Stay connected: [Twitter](#) | [Facebook](#) | [LinkedIn](#) | [YouTube](#)

PRINTING SUSTAINABILITY STATEMENT: Gannett Fleming is committed to conserving natural resources and minimizing adverse environmental impacts in projects. Accordingly, project documentation will be provided in electronic format only unless clients specifically request hard copies. Visit our [website](#) to read more about our sustainability commitment.

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*Excellence Delivered. As Promised.*

## INVOICE

### Gannett Fleming Valuation and Rate Consultants, LLC

LG&E and KU Services Company  
Attn: Sara Wiseman  
P.O. Box 32010  
Louisville, KY 40232-7100

ACH/EFT Payment Information:  
ABA: 031312738  
Account No.: 5003165655  
Account Name: Gannett Fleming

Check Payment Information:  
Gannett Fleming Valuation and Rate Consultants, LLC  
PO Box 829190  
Philadelphia, PA 19182-9190

Project: 063789  
Invoice No: 063789\*3701  
Invoice Date: August 23, 2018  
Federal EIN: 48-4413705  
Send Remit Info: AccountsReceivable@gfnet.com

Invoice Period: June 30, 2018 through August 3, 2018

Project Manager : John J. Spanos      jspanos@gfnet.com      717 763-7211

Contract No. 131093 - Depreciation Study - Steam Assets

#### Summary of Current Charges

Phase 100	- KU - DEPR-STEAM ASSETS	\$	1,610.00
Phase 200	- LG&E - DEPR-STEAM ASSETS		995.00
	Total Charges		\$ 2,605.00
	<b>Total Due This Invoice .....</b>		<b>\$2,605.00</b>



Excellence Delivered

Project: 063789  
 Invoice No: 063789\*3701  
 Invoice Date: August 23, 2018

**Gannett Fleming Valuation and Rate Consultants, LLC**

Phase 100 – KU - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Analyst	1.50	\$ 170.00	\$ 255.00
John J. Spanos	5.00	260.00	1,300.00
Support Staff	0.50	110.00	55.00
<b>Total Labor Costs</b>			<b>\$ 1,610.00</b>
<b>Total Phase -- 100</b>			<b>\$ 1,610.00</b>

Phase 200 – LG&E - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Analyst	1.50	170.00	255.00
John J. Spanos	2.00	260.00	520.00
Support Staff	2.00	110.00	220.00
<b>Total Labor Costs</b>			<b>\$ 995.00</b>
<b>Total Phase -- 200</b>			<b>\$ 995.00</b>



**Heichelbech, Nicholas**

---

**From:** Rahn, Derek  
**Sent:** Friday, August 31, 2018 9:08 AM  
**To:** 'Spanos, John J.'  
**Cc:** Wiseman, Sara; Rahn, Derek  
**Subject:** 2018 LG&E and KU Rate Case - Testimony Verification Request  
**Attachments:** Spanos Testimony Verification.docx

John,

Hope you are well. As we prepare the submittal to the KPSC on September 28, 2018 regarding LG&E and KU's Rate Request, you are a key witness in the case. While we greatly appreciate your expertise and help in the case, we will need TWQ testimony verification pages. Attached is the verification page for your review and signature.

Please send TWQ (one for LG&E and the other for KU) signed and notarized Verification pages to me by Sept 21<sup>st</sup>.

Thanks again for your expertise and if you have any questions please feel free to call me.

**Derek A. Rahn**

Manager Revenue Requirement COS| Regulation & Rates| LG&E and KU  
220 West Main Street, Louisville, KY 40202  
M: 502-303-1370 | O: 502-627-4127 | F: 502-217-4002  
[lge-ku.com](http://lge-ku.com)

**VERIFICATION**

**COMMONWEALTH OF PENNSYLVANIA** )  
 ) **SS:**  
**COUNTY OF \_\_\_\_\_** )

The undersigned, **John J. Spanos**, being duly sworn, deposes and says that he is Senior Vice President, for Gannett Fleming Valuation and Rate Consultants, LLC, that he has personal knowledge of the matters set forth in the foregoing testimony and exhibits, and the answers contained therein are true and correct to the best of his information, knowledge and belief.

\_\_\_\_\_  
**John J. Spanos**

Subscribed and sworn to before me, a Notary Public in and before said County and State,  
this \_\_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
Notary Public (SEAL)

My Commission Expires:  
\_\_\_\_\_

**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Monday, September 03, 2018 9:34 AM  
**To:** Garrett, Chris; Wiseman, Sara; Riggs, Eric; Sturgeon, Allyson  
**Subject:** reports

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Could some one send me the full name and title of the LGE/KU personnel that the report letter should be addressed?

Thank you

**Heichelbech, Nicholas**

---

**From:** Garrett, Chris  
**Sent:** Monday, September 03, 2018 11:22 AM  
**To:** Spanos, John J.  
**Cc:** Wiseman, Sara; Riggs, Eric; Sturgeon, Allyson  
**Subject:** Re: reports

Hello John,

You can address it to me.

Christopher M. Garrett  
Controller

Thank you,

Chris

Sent from my iPhone

On Sep 3, 2018, at 9:34 AM, Spanos, John J. <[jspanos@GHNET.com](mailto:jspanos@GHNET.com)> wrote:

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Could some one send me the full name and title of the LGE/KU personnel that the report letter should be addressed?

Thank you

**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Tuesday, September 04, 2018 10:11 AM  
**To:** Rahn, Derek  
**Cc:** Wiseman, Sara  
**Subject:** RE: 2018 LG&E and KU Rate Case - Testimony Verification Request

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Derek:

These two documents will be sent via FedEx today to your attention

Thanks  
John

**From:** Rahn, Derek  
**Sent:** Friday, August 31, 2018 9:08 AM  
**To:** Spanos, John J.  
**Cc:** Wiseman, Sara ; Rahn, Derek  
**Subject:** 2018 LG&E and KU Rate Case - Testimony Verification Request

John,

Hope you are well. As we prepare the submittal to the KPSC on September 28, 2018 regarding LG&E and KU's Rate Request, you are a key witness in the case. While we greatly appreciate your expertise and help in the case, we will need TWO testimony verification pages. Attached is the verification page for your review and signature.

Please send TWO (one for LG&E and the other for KU) signed and notarized Verification pages to me by Sept 21<sup>st</sup>.

Thanks again for your expertise and if you have any questions please feel free to call me.

**Derek A. Rahn**

Manager Revenue Requirement COS | Regulation & Rates | LG&E and KU  
220 West Main Street, Louisville, KY 40202  
M: 502-303-1370 | O: 502-627-4127 | F: 502-217-4002  
[lge-ku.com](http://lge-ku.com)

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**Heichelbech, Nicholas**

---

**From:** Rahn, Derek  
**Sent:** Tuesday, September 04, 2018 10:24 AM  
**To:** 'Spanos, John J.'  
**Cc:** Wiseman, Sara  
**Subject:** RE: 2018 LG&E and KU Rate Case - Testimony Verification Request

Thanks John! We will keep you in the loop of the filing.

**Derek A. Rahn**  
Manager Revenue Requirement COS | Regulation & Rates | LG&E and KU  
220 West Main Street, Louisville, KY 40202  
M: 502-303-1370 | O: 502-627-4127 | F: 502-217-4002  
[lge-ku.com](http://lge-ku.com)

**From:** Spanos, John J. [mailto:[jspanos@GFNET.com](mailto:jspanos@GFNET.com)]  
**Sent:** Tuesday, September 04, 2018 10:11 AM  
**To:** Rahn, Derek  
**Cc:** Wiseman, Sara  
**Subject:** RE: 2018 LG&E and KU Rate Case - Testimony Verification Request

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Derek:

These two documents will be sent via FedEx today to your attention

Thanks  
John

**From:** Rahn, Derek <[Derek.Rahn@lge-ku.com](mailto:Derek.Rahn@lge-ku.com)>  
**Sent:** Friday, August 31, 2018 9:08 AM  
**To:** Spanos, John J. <[jspanos@GFNET.com](mailto:jspanos@GFNET.com)>  
**Cc:** Wiseman, Sara <[Sara.Wiseman@lge-ku.com](mailto:Sara.Wiseman@lge-ku.com)>; Rahn, Derek <[Derek.Rahn@lge-ku.com](mailto:Derek.Rahn@lge-ku.com)>  
**Subject:** 2018 LG&E and KU Rate Case - Testimony Verification Request

John,  
Hope you are well. As we prepare the submittal to the KPSC on September 28, 2018 regarding LG&E and KU's Rate Request, you are a key witness in the case. While we greatly appreciate your expertise and help in the case, we will need TWO testimony verification pages. Attached is the verification page for your review and signature.

Please send TWO (one for LG&E and the other for KU) signed and notarized Verification pages to me by Sept 21<sup>st</sup>.

Thanks again for your expertise and if you have any questions please feel free to call me.

**Derek A. Rahn**  
Manager Revenue Requirement COS | Regulation & Rates | LG&E and KU

220 West Main Street, Louisville, KY 40202  
M: 502-303-1370 | O: 502-627-4127 | F: 502-217-4002  
[jge-ku.com](http://jge-ku.com)

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**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Tuesday, September 04, 2018 8:24 PM  
**To:** Wiseman, Sara; Riggs, Eric; Sturgeon, Allyson; kendrick.riggs@skofirm.com  
**Subject:** reports  
**Attachments:** KU 2017 Depr Study.pdf

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Attached is the final depreciation study for KU.



**KENTUCKY UTILITIES COMPANY**

LOUISVILLE, KENTUCKY

**2017 DEPRECIATION STUDY**

CALCULATED ANNUAL DEPRECIATION  
ACCRUALS RELATED TO STEAM GENERATION  
PLANT AS OF DECEMBER 31, 2017

Prepared by:



*Excellence Delivered*

KENTUCKY UTILITIES COMPANY

Louisville, Kentucky

2017 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION  
ACCRUALS RELATED TO STEAM GENERATION  
PLANT AS OF DECEMBER 31, 2017

GANNETT FLEMING VALUATION AND RATE CONSULTANTS, LLC

Harrisburg, Pennsylvania



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**KENTUCKY UTILITIES COMPANY**

**DEPRECIATION STUDY**

**EXECUTIVE SUMMARY**

Pursuant to Kentucky Utilities Company's ("KU" or "Company") request, Gannett Fleming Valuation and Rate Consultants, LLC ("Gannett Fleming") conducted a depreciation study related to the steam generation plant as of December 31, 2017. The purpose of this study was to determine the annual depreciation accrual rates and amounts for book and ratemaking purposes.

The depreciation rates are based on the straight line method using the average service life ("ASL") procedure and were applied on a remaining life basis. The calculations were based on attained ages and estimated average service life and forecasted net salvage characteristics for each depreciable group of assets.

KU's accounting policy has not changed since the last depreciation study was prepared. However, there have been significant changes in past and future retirement plans of assets. These changes have caused the proposed remaining lives for many accounts to fluctuate from those proposed in the previous depreciation study as of December 31, 2015.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to steam generation plant in service as of December 31, 2017 as summarized by Table 1 of the study. Supporting analysis and calculations are provided within the study.

The study results set forth an annual depreciation expense of \$192.1 million when applied to depreciable plant balances as of December 31, 2017.

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**PART I. INTRODUCTION**

**KENTUCKY UTILITIES COMPANY  
DEPRECIATION STUDY**

**PART I. INTRODUCTION**

**SCOPE**

This report sets forth the results of the depreciation study for Kentucky Utilities Company ("Company"), as applied to specific steam generation plant in service as of December 31, 2017. The rates and amounts are based on the straight line remaining life method of depreciation. This report also describes the concepts, methods and judgments which underlie the recommended annual depreciation accrual rates related to current electric plant in service.

The service life and net salvage estimates resulting from the study were based on informed judgment which incorporated analyses of historical plant retirement data as recorded through 2017, the net salvage analyses of historical plant retirement data recorded through 2017; a review of Company practice and outlook as they relate to plant operation and retirement, and consideration of current practice in the electric industry, including knowledge of service lives and net salvage estimates used for other electric companies.

**PLAN OF REPORT**

Part I, Introduction, contains statements with respect to the plan of the report, and the basis of the study. Part II, Estimation of Survivor Curves, presents descriptions of the considerations and the methods used in the service life study. Part III, Service Life Considerations, presents the factors and judgment utilized in the average servicelife analysis. Part IV, Net Salvage Considerations, presents the judgment utilized for the net salvage study. Part V, Calculation of Annual and Accrued



Depreciation, describes the procedures used in the calculation of group depreciation. Part VI, Results of Study, presents a summary by depreciable group of annual depreciation accrual rates and amounts, as well as composite remaining lives. Part VII, Service Life Statistics presents the statistical analysis of service life estimates, Part VIII, Net Salvage Statistics sets forth the statistical indications of net salvage percents, and Part IX, Detailed Depreciation Calculations presents the detailed tabulations of annual depreciation.

#### **BASIS OF THE STUDY**

##### **Depreciation**

Depreciation, in public utility regulation, is the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of utility plant in the course of service from causes which are known to be in current operation and against which the utility is not protected by insurance. Among causes to be given consideration are wear and tear, deterioration, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and the requirements of public authorities.

Depreciation, as used in accounting, is a method of distributing fixed capital costs, less net salvage, over a period of time by allocating annual amounts to expense. Each annual amount of such depreciation expense is part of that year's total cost of providing electric utility service. Normally, the period of time over which the fixed capital cost is allocated to the cost of service is equal to the period of time over which an item renders service, that is, the item's service life. The most prevalent method of allocation is to distribute an equal amount of cost to each year of service life. This method is known as the straight-line method of depreciation.

For all accounts, the annual depreciation was calculated by the straight line

method using the average service life procedure and the remaining life basis. The calculated remaining lives and annual depreciation accrual rates were based on attained ages of plant in service and the estimated service life and salvage characteristics of each depreciable group.

The straight line method, average service life procedure is a commonly used depreciation calculation procedure that has been widely accepted in jurisdictions throughout North America. Gannett Fleming recommends its continued use.

**Service Life and Net Salvage Estimates**

The service life and net salvage estimates used in the depreciation calculations were based on informed judgment which incorporated a review of management's plans, policies and outlook, a general knowledge of the electric utility industry, and comparisons of the service life and net salvage estimates from our studies of other electric utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for utility property. Iowa type survivor curves were used to depict the estimated survivor curves for the plant accounts. For steam production plants, the life span technique was used. In this technique, the date of final retirement was estimated for each unit, and the estimated survivor curves applied to each vintage were truncated at ages coinciding with the date of final retirement.

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data analyses and the probable future. The combination of the historical experience and the estimated future yielded estimated survivor curves from which the average service lives were

derived.

The estimates of net salvage by account incorporated a review of experienced costs of removal and salvage related to plant retirements, and consideration of trends exhibited by the historical data. Each component of net salvage, i.e., cost of removal and salvage, was stated in dollars and as a percent of retirement.

An understanding of the function of the plant and information with respect to the reasons for past retirements and the expected causes of future retirements was obtained through discussions with operating and management personnel. The supplemental information obtained in this manner was considered in the interpretation and extrapolation of the statistical analyses.

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**PART II. ESTIMATION OF SURVIVOR CURVES**

## **PART II. ESTIMATION OF SURVIVOR CURVES**

The calculation of annual depreciation based on the straight line method requires the estimation of survivor curves and the selection of group depreciation procedures. The estimation of survivor curves is discussed below and the development of net salvage is discussed in later sections of this report.

### **SURVIVOR CURVES**

The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units, or by constructing a survivor curve by plotting the number of units which survive at successive ages.

The survivor curve graphically depicts the amount of property existing at each age throughout the life of an original group. From the survivor curve, the average life of the group, the remaining life expectancy, the probable life, and the frequency curve can be calculated. In Figure 1, a typical smooth survivor curve and the derived curves are illustrated. The average life is obtained by calculating the area under the survivor curve, from age zero to the maximum age, and dividing this area by the ordinate at age zero. The remaining life expectancy at any age can be calculated by obtaining the area under the curve, from the observation age to the maximum age, and dividing this area by the percent surviving at the observation age. For example, in Figure 1, the remaining life at age 30 is equal to the crosshatched area under the survivor curve divided by 29.5 percent surviving at age 30. The probable life at any age is developed by adding the age and remaining life. If the probable life of the property is calculated for each year of age, the probable life curve shown in the chart can be developed. The frequency curve presents the number of units retired in each age interval. It is derived by obtaining the differences between the amount of property surviving at the beginning

and at the end of each interval.

This study has incorporated the use of Iowa curves developed from a retirement rate analysis of historical retirement history. A discussion of the concepts of survivor curves and of the development of survivor curves using the retirement rate method is presented below.

#### **Iowa Type Curves**

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. There are four families in the Iowa system, labeled in accordance with the location of the modes of the retirements in relationship to the average life and the relative height of the modes. The left moded curves, presented in Figure 2, are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical moded curves, presented in Figure 3, are those in which the greatest frequency of retirement occurs at average service life. The right moded curves, presented in Figure 4, are those in which the greatest frequency occurs to the right of, or after, average service life. The origin moded curves, presented in Figure 5, are those in which the greatest frequency of retirement occurs at the origin, or immediately after age zero. The letter designation of each family of curves (L, S, R or O) represents the location of the mode of the associated frequency curve with respect to the average service life. The numbers represent the relative heights of the modes of the frequency curves within each family.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves, which constitute three of the four families, was published in 1935 in the form of

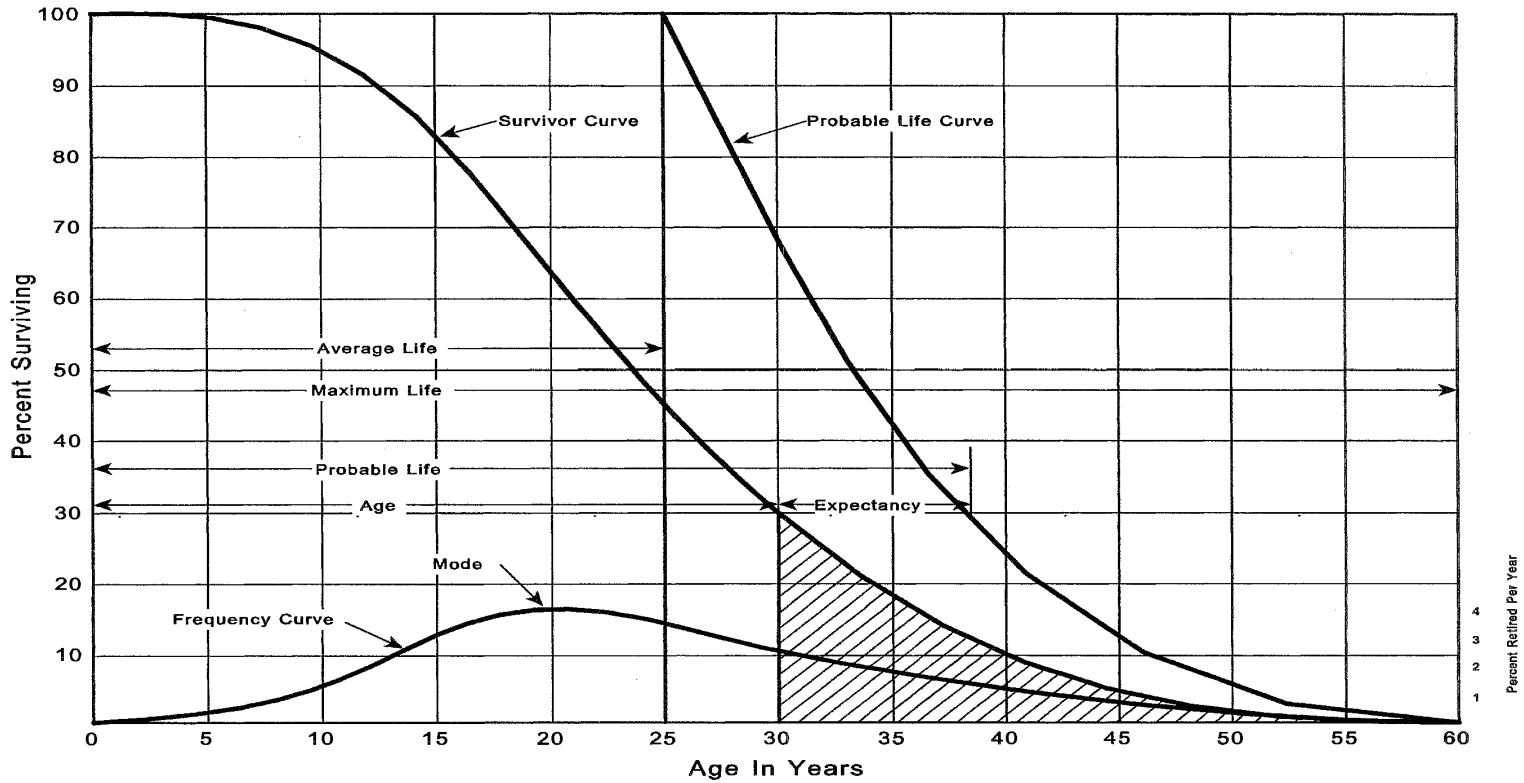


Figure 1. A Typical Survivor Curve and Derived Curves

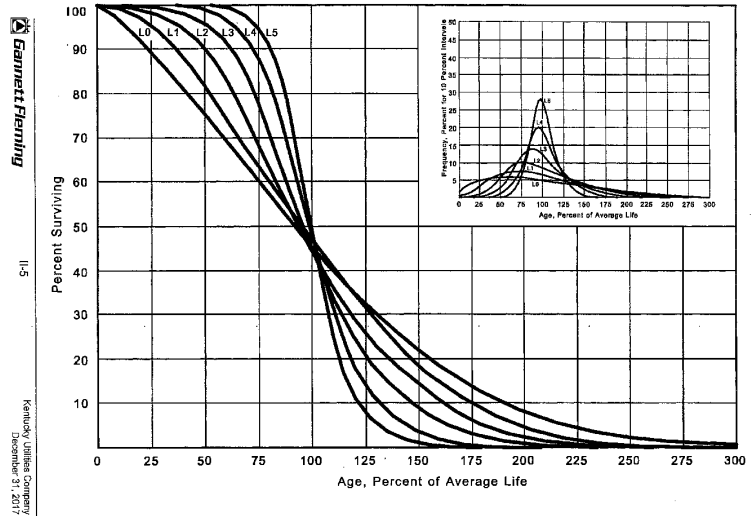


Figure 2. Left Modal or "L" Iowa Type Survivor Curves

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Kentucky Utilities Company  
December 31, 2017

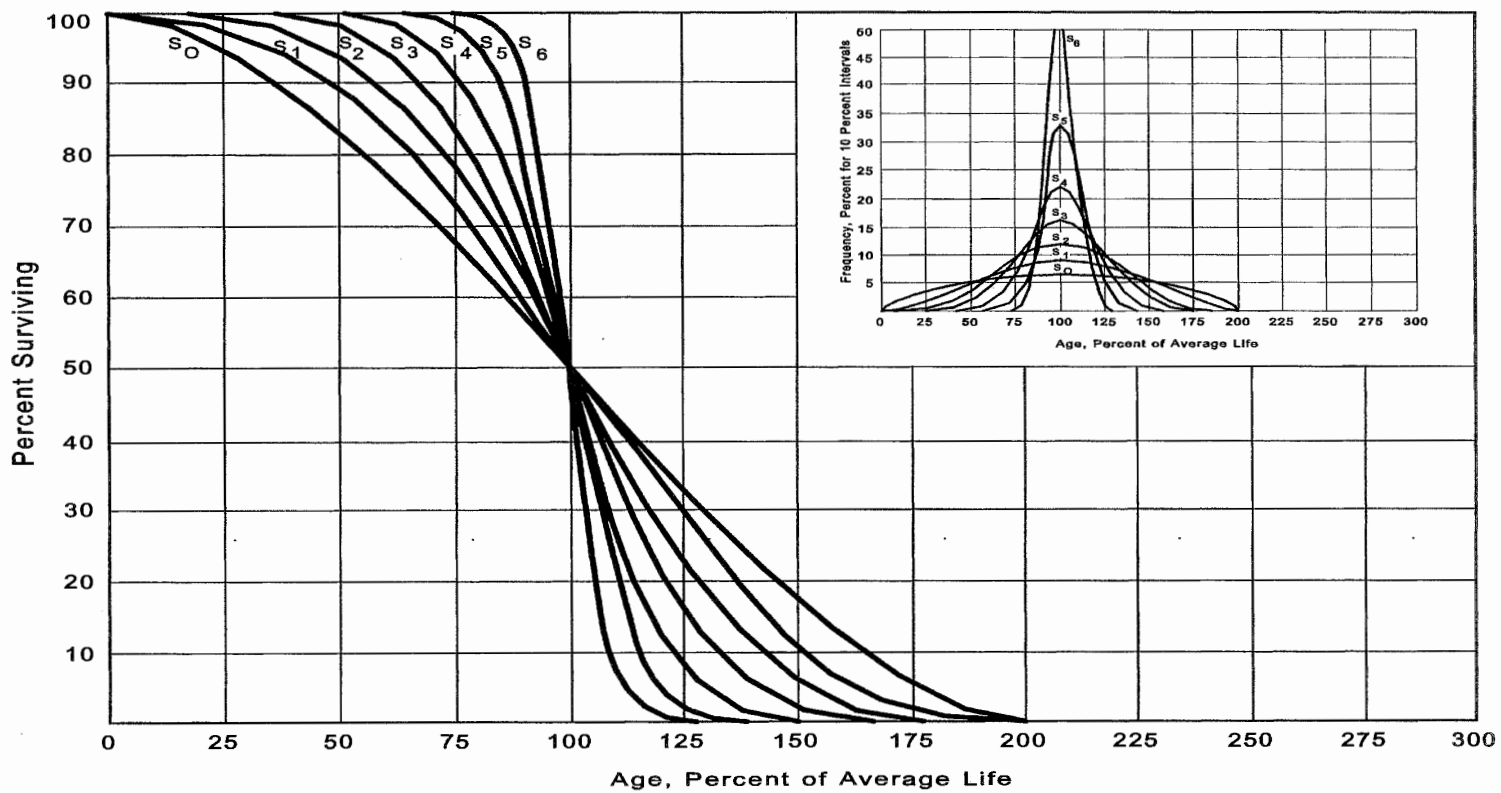


Figure 3. Symmetrical or "S" Iowa Type Survivor Curves

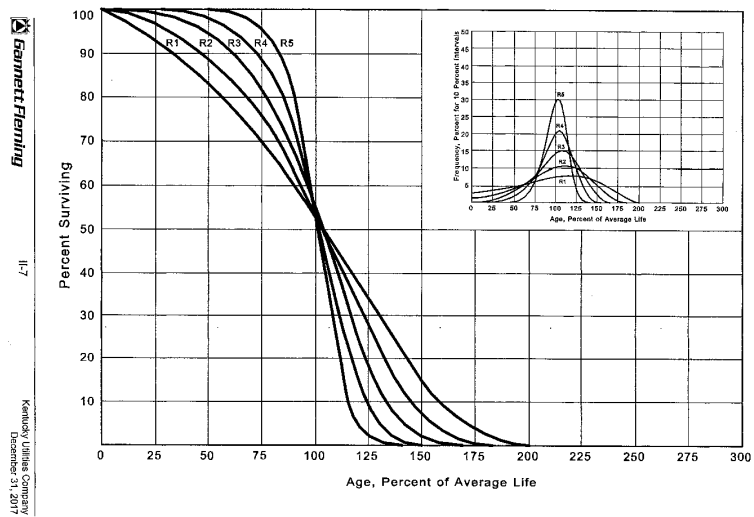


Figure 4. Right Modal or "R" Iowa Type Survivor Curves

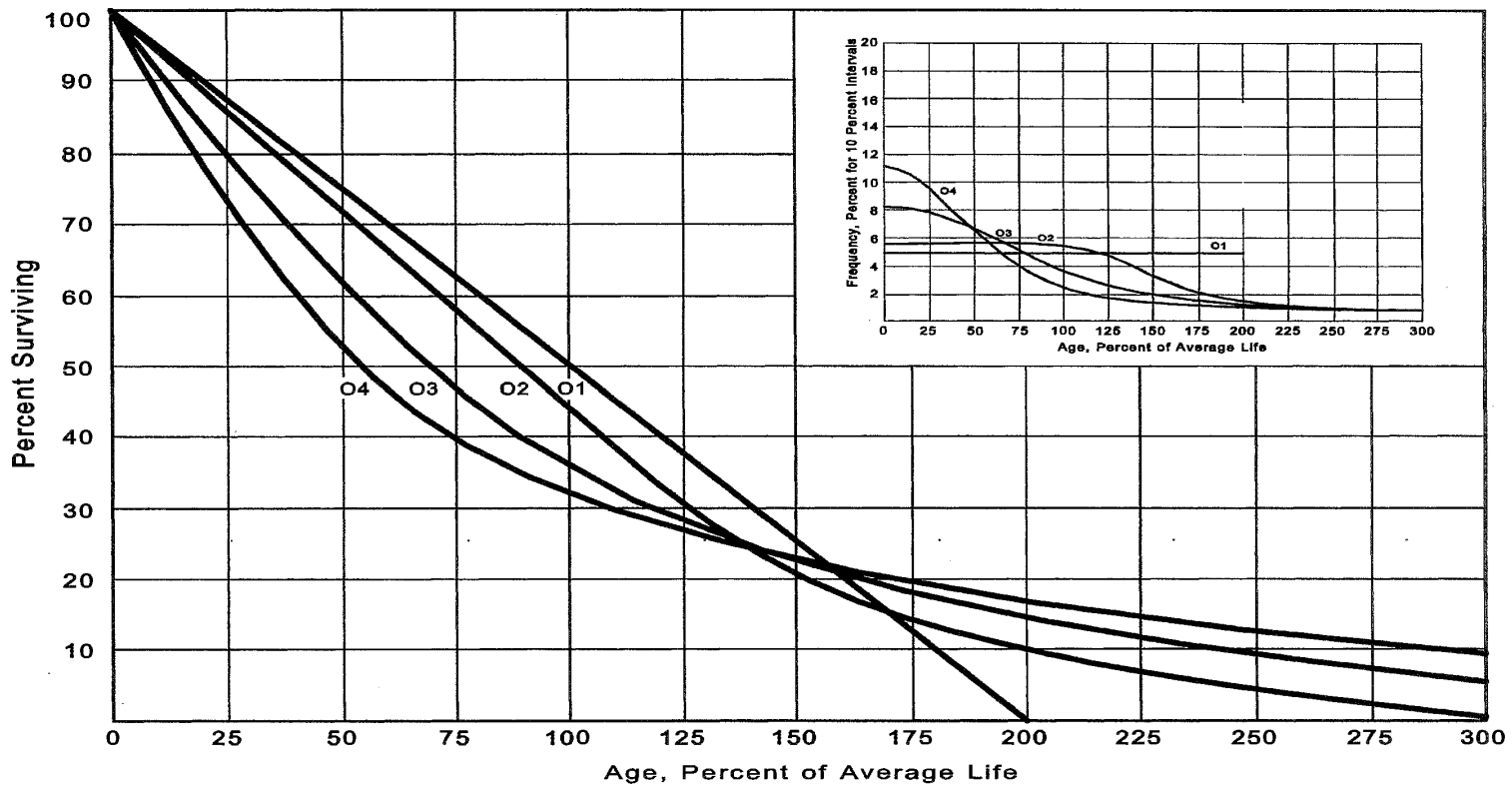


Figure 5. Origin Modal or "O" Iowa Type Survivor Curves

the Experiment Station's Bulletin 125. These curve types have also been presented in subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation."<sup>1</sup> In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student, submitted a thesis presenting his development of the fourth family consisting of the four O type survivor curves.

**Retirement Rate Method of Analysis**

The retirement rate method is an actuarial method of deriving survivor curves using the average rates at which property of each age group is retired. The method relates to property groups for which aged accounting experience is available and is the method used to develop the original stub survivor curves in this study. The method (also known as the annual rate method) is illustrated through the use of an example in the following text, and is also explained in several publications, including "Statistical Analyses of Industrial Property Retirements"<sup>2</sup>, "Engineering Valuation and Depreciation,"<sup>3</sup> and "Depreciation Systems."<sup>4</sup>

The average rate of retirement used in the calculation of the percent surviving for the survivor curve (life table) requires two sets of data: first, the property retired during a period of observation, identified by the property's age at retirement; and second, the property exposed to retirement at the beginning of the age intervals during the same period. The period of observation is referred to as the experience band, and the band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows.

<sup>1</sup>Marston, Anson, Robley Winfrey and Jean C. Hempstead. . Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company. 1953.

<sup>2</sup>Winfrey, Roble, Statistical Analyses of Industrial Property Retirements. Iowa State College Engineering Experiment Station, Bulletin 125. 1935.

<sup>3</sup>Marston, Anson, Roble Winfrey, and Jean C. Hempstead, Supra Note 1.

<sup>4</sup>Wolf, Frank K. and W. Chester Fitch. Depreciation Systems. Iowa State University Press. 1994.

The example includes schedules of annual aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

**Schedules of Annual Transactions in Plant Records**

The property group used to illustrate the retirement rate method is observed for the experience band 2008-2017 during which there were placements during the years 2003-2017. In order to illustrate the summation of the aged data by age interval, the data were compiled in the manner presented in Schedules 1 and 2 on pages II-11 and II-12. In Schedule 1, the year of installation (year placed) and the year of retirement are shown. The age interval during which a retirement occurred is determined from this information. In the example which follows, \$10,000 of the dollars invested in 2003 were retired in 2008. The \$10,000 retirement occurred during the age interval between 4½ and 5½ years on the basis that approximately one-half of the amount of property was installed prior to and subsequent to July 1 of each year. That is, on the average, property installed during a year is placed in service at the midpoint of the year for the purpose of the analysis. All retirements also are stated as occurring at the midpoint of a one-year age interval of time, except the first age interval which encompasses only one-half year.

The total retirements occurring in each age interval in a band are determined by summing the amounts for each transaction year-installation year combination for that age interval. For example, the total of \$143,000 retired for age interval 4½ - 5½ is the sum of the retirements entered on Schedule 1 immediately above the stair step line drawn on the table beginning with the 2008 retirements of 2003 installations and ending with the 2017 retirements of the 2012 installations. Thus, the total amount of 143 for age interval 4½ - 5½ equals the sum of:

$$10 + 12 + 13 + 11 + 13 + 13 + 15 + 17 + 19 + 20.$$

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SCHEDULE 1. RETIREMENTS FOR EACH YEAR 2008-2017  
 SUMMARIZED BY AGE INTERVAL

Year Placed (1)	Retirements, Thousands of Dollars										Total During Age Interval (12)	Age Interval (13)
	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)		
2003	10	11	12	13	14	16	23	24	25	26	26	13½-14½
2004	11	12	13	15	16	18	20	21	22	19	44	12½-13½
2005	11	12	13	14	16	17	19	21	22	18	64	11½-12½
2006	8	9	10	11	11	13	14	15	16	17	83	10½-11½
2007	9	10	11	12	13	14	16	17	19	20	93	9½-10½
2008	4	9	10	11	12	13	14	15	16	20	105	8½-9½
2009		5	11	12	13	14	15	16	18	20	113	7½-8½
2010			6	12	13	15	16	17	19	19	124	6½-7½
2011				6	13	15	16	17	19	19	131	5½-6½
2012					7	14	16	17	19	20	143	4½-5½
2013						8	18	20	22	23	148	3½-4½
2014							9	20	22	25	150	2½-3½
2015								11	23	25	151	1½-2½
2016									11	24	153	½-1½
2017										13	80	0-½
<b>Total</b>	<b>53</b>	<b>68</b>	<b>86</b>	<b>106</b>	<b>128</b>	<b>157</b>	<b>195</b>	<b>231</b>	<b>273</b>	<b>308</b>	<b>1,606</b>	

SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2008-2017  
SUMMARIZED BY AGE INTERVAL

Acquisitions, Transfers and Sales, Thousands of Dollars											Placement Band 2003-2017	
During Year												
Year Placed	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total During Age Interval	Age Interval
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2003	-	-	-	-	-	-	60 <sup>a</sup>	-	-	-	-	13½-14½
2004	-	-	-	-	-	-	-	-	-	-	-	12½-13½
2005	-	-	-	-	-	-	-	-	-	-	-	11½-12½
2006	-	-	-	-	-	-	-	(5) <sup>b</sup>	-	-	60	10½-11½
2007	-	-	-	-	-	-	-	6 <sup>a</sup>	-	-	-	9½-10½
2008	-	-	-	-	-	-	-	-	-	-	(5)	8½-9½
2009	-	-	-	-	-	-	-	-	-	-	6	7½-8½
2010	-	-	-	-	-	-	-	-	-	-	-	6½-7½
2011	-	-	-	-	-	-	-	(12) <sup>b</sup>	-	-	-	5½-6½
2012	-	-	-	-	-	-	-	-	22 <sup>a</sup>	-	-	4½-5½
2013	-	-	-	-	-	-	-	(19) <sup>b</sup>	-	-	10	3½-4½
2014	-	-	-	-	-	-	-	-	-	-	-	2½-3½
2015	-	-	-	-	-	-	-	-	-	(102) <sup>c</sup>	(121)	1½-2½
2016	-	-	-	-	-	-	-	-	-	-	-	½-1½
2017	-	-	-	-	-	-	-	-	-	-	-	0-½
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>60</b>	<b>(30)</b>	<b>22</b>	<b>(102)</b>	<b>(50)</b>	

<sup>a</sup> Transfer Affecting Exposures at Beginning of Year  
<sup>b</sup> Transfer Affecting Exposures at End of Year  
<sup>c</sup> Sale with Continued Use  
Parentheses Denote Credit Amount.

In Schedule 2, other transactions which affect the group are recorded in a similar manner. The entries illustrated include transfers and sales. The entries which are credits to the plant account are shown in parentheses. The items recorded on this schedule are not totaled with the retirements but are used in developing the exposures at the beginning of each age interval.

**Schedule of Plant Exposed to Retirement**

The development of the amount of plant exposed to retirement at the beginning of each age interval is illustrated in Schedule 3 on page II-14. The surviving plant at the beginning of each year from 2008 through 2017 is recorded by year in the portion of the table headed "Annual Survivors at the Beginning of the Year." The last amount entered in each column is the amount of new plant added to the group during the year. The amounts entered in Schedule 3 for each successive year following the beginning balance or additions are obtained by adding or subtracting the net entries shown on Schedules 1 and 2. For the purpose of determining the plant exposed to retirement, transfers-in are considered as being exposed to retirement in this group at the beginning of the year in which they occurred, and the sales and transfers-out are considered to be removed from the plant exposed to retirement at the beginning of the following year. Thus, the amounts of plant shown at the beginning of each year are the amounts of plant from each placement year considered to be exposed to retirement at the beginning of each successive transaction year. For example, the exposures for the installation year 2013 are calculated in the following manner:

Exposures at age 0 = amount of addition	= \$750,000
Exposures at age ¼ = \$750,000 - \$8,000	= \$742,000
Exposures at age ½ = \$742,000 - \$18,000	= \$724,000
Exposures at age ¾ = \$724,000 - \$20,000 - \$19,000	= \$685,000
Exposures at age 3/4 = \$685,000 - \$22,000	= \$663,000



SCHEDULE 3. PLANT EXPOSED TO RETIREMENT  
 JANUARY 1 OF EACH YEAR 2008-2017  
 SUMMARIZED BY AGE INTERVAL

Year Placed (1)	Exposures, Thousands of Dollars										Total at Beginning of Age Interval (12)	Age Interval (13)
	Annual Survivors at the Beginning of the Year											
	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)		
2003	255	245	234	222	209	195	239	216	192	167	167	13½-14½
2004	279	268	256	243	228	212	194	174	153	131	323	12½-13½
2005	307	296	284	271	257	241	224	205	184	162	531	11½-12½
2006	338	330	321	311	300	289	276	262	242	226	823	10½-11½
2007	376	367	357	346	334	321	307	297	280	261	1,097	9½-10½
2008	420 <sup>a</sup>	416	407	397	386	374	361	347	332	316	1,503	8½-9½
2009		460 <sup>a</sup>	455	444	432	419	405	390	374	356	1,952	7½-8½
2010			510 <sup>a</sup>	504	492	479	464	448	431	412	2,463	6½-7½
2011				580 <sup>a</sup>	574	561	546	530	501	482	3,057	5½-6½
2012					660 <sup>a</sup>	653	639	623	628	609	3,789	4½-5½
2013						750 <sup>a</sup>	742	724	685	663	4,332	3½-4½
2014							850 <sup>a</sup>	841	821	799	4,955	2½-3½
2015								960 <sup>a</sup>	949	926	5,719	1½-2½
2016									1,080 <sup>a</sup>	1,069	6,579	½-1½
2017										1,220 <sup>a</sup>	7,490	0-½
<b>Total</b>	<b>1,975</b>	<b>2,382</b>	<b>2,824</b>	<b>3,318</b>	<b>3,872</b>	<b>4,494</b>	<b>5,247</b>	<b>6,017</b>	<b>6,852</b>	<b>7,799</b>	<b>44,780</b>	

<sup>a</sup>Additions during the year

For the entire experience band 2008-2017, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Schedule 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½ – 5½, is obtained by summing:

$$255 + 268 + 284 + 311 + 334 + 374 + 405 + 448 + 501 + 609.$$

**Original Life Table**

The original life table, illustrated in Schedule 4 on page II-16, is developed from the totals shown on the schedules of retirements and exposures, Schedules 1 and 3, respectively. The exposures at the beginning of the age interval are obtained from the corresponding age interval of the exposure schedule, and the retirements during the age interval are obtained from the corresponding age interval of the retirement schedule. The retirement ratio is the result of dividing the retirements during the age interval by the exposures at the beginning of the age interval. The percent surviving at the beginning of each age interval is derived from survivor ratios, each of which equals one minus the retirement ratio. The percent surviving is developed by starting with 100% at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ areas as follows:

Percent surviving at age 4½	=	88.15
Exposures at age 4½	=	3,789,000
Retirements from age 4½ to 5½	=	143,000
Retirement Ratio	=	$143,000 \div 3,789,000 = 0.0377$
Survivor Ratio	=	$1.000 - 0.0377 = 0.9623$
Percent surviving at age 5½	=	$(88.15) \times (0.9623) = 84.83$

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless.

**SCHEDULE 4. ORIGINAL LIFE TABLE  
CALCULATED BY THE RETIREMENT RATE METHOD**

Experience Band 2008-2017

Placement Band 2003-2017

(Exposure and Retirement Amounts are in Thousands of Dollars)

Age at Beginning of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Age Interval
(1)	(2)	(3)	(4)	(5)	(6)
0.0	7,490	80	0.0107	0.9893	100.00
0.5	6,579	153	0.0233	0.9767	98.93
1.5	5,719	151	0.0264	0.9736	96.62
2.5	4,955	150	0.0303	0.9697	94.07
3.5	4,332	146	0.0337	0.9663	91.22
4.5	3,789	143	0.0377	0.9623	88.15
5.5	3,057	131	0.0429	0.9571	84.83
6.5	2,463	124	0.0503	0.9497	81.19
7.5	1,952	113	0.0579	0.9421	77.11
8.5	1,503	105	0.0699	0.9301	72.65
9.5	1,097	93	0.0848	0.9152	67.57
10.5	823	83	0.1009	0.8991	61.84
11.5	531	64	0.1205	0.8795	55.60
12.5	323	44	0.1362	0.8638	48.90
13.5	167	26	0.1557	0.8443	42.24
					35.66
<b>Total</b>	<b><u>44,780</u></b>	<b><u>1,606</u></b>			

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.  
Column 3 from Schedule 1, Column 12, Retirements for Each Year.  
Column 4 = Column 3 Divided by Column 2.  
Column 5 = 1.0000 Minus Column 4.  
Column 6 = Column 5 Multiplied by Column 6 as of the Preceding Age Interval.

The original survivor curve is plotted from the original life table (column 6, Schedule 4). When the curve terminates at a percent surviving greater than zero, it is called a stub survivor curve. Survivor curves developed from retirement rate studies generally are stub curves.

**Smoothing the Original Survivor Curve**

The smoothing of the original survivor curve eliminates any irregularities and serves as the basis for the preliminary extrapolation to zero percent surviving of the original stub curve. Even if the original survivor curve is complete from 100% to zero percent, it is desirable to eliminate any irregularities, as there is still an extrapolation for the vintages which have not yet lived to the age at which the curve reaches zero percent. In this study, the smoothing of the original curve with established type curves was used to eliminate irregularities in the original curve.

The Iowa type curves are used in this study to smooth those original stub curves which are expressed as percents surviving at ages in years. Each original survivor curve was compared to the Iowa curves using visual and mathematical matching in order to determine the better fitting smooth curves. In Figures 6, 7, and 8, the original curve developed in Schedule 4 is compared with the L, S, and R Iowa type curves which most nearly fit the original survivor curve. In Figure 6, the L1 curve with an average life between 12 and 13 years appears to be the best fit. In Figure 7, the S0 type curve with a 12-year average life appears to be the best fit and appears to be better than the L1 fitting. In Figure 8, the R1 type curve with a 12-year average life appears to be the best fit and appears to be better than either the L1 or the S0.

In Figure 9, the three fittings, 12-L1, 12-S0 and 12-R1 are drawn for comparison purposes. It is probable that the 12-R1 Iowa curve would be selected as the most representative of the plotted survivor characteristics of the group.

Garrett Fleming  
81-11  
Kendallville, Ohio, Company  
December 21, 2017

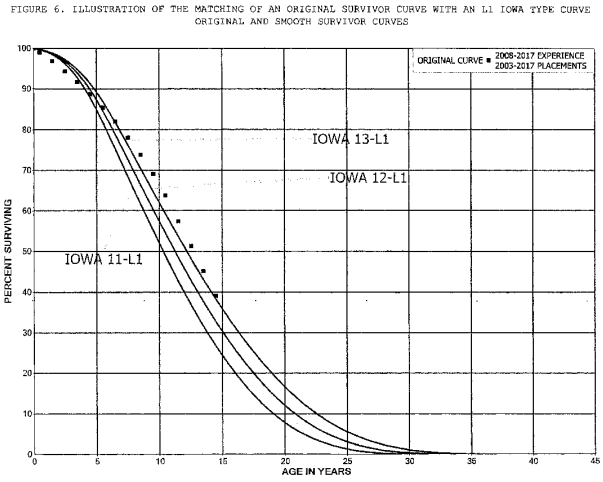


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN SO IOWA TYPE CURVE  
 ORIGINAL AND SMOOTH SURVIVOR CURVES

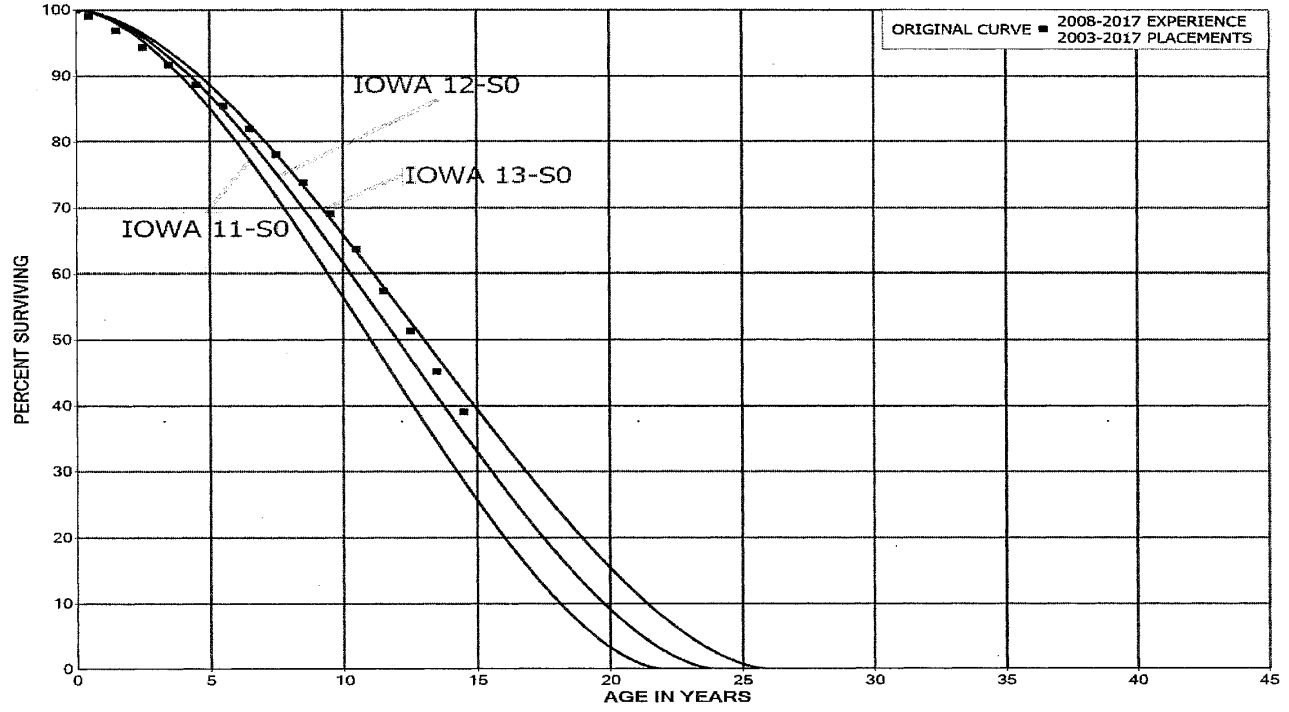


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

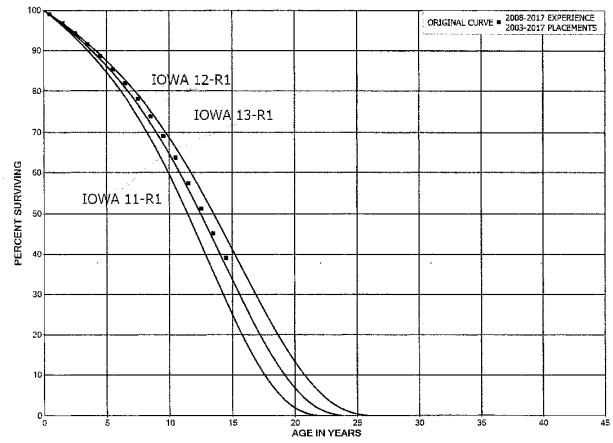
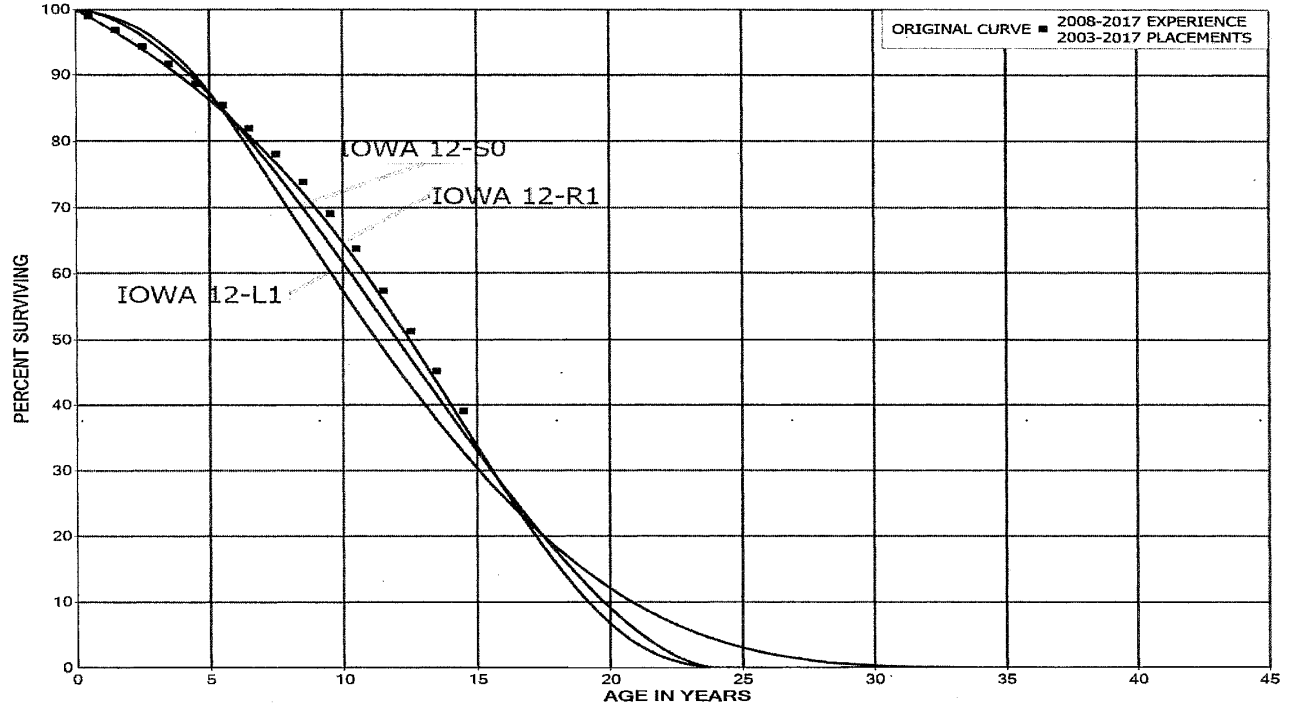


FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE  
 ORIGINAL AND SMOOTH SURVIVOR CURVES





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**PART III. SERVICE LIFE CONSIDERATIONS**

### **PART III. SERVICE LIFE CONSIDERATIONS**

#### **FIELD TRIPS**

In order to be familiar with the operation of the Company and observe representative portions of the plant, field trips have been conducted. A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirements are obtained during field trips. This knowledge and information were incorporated in the interpretation and extrapolation of the statistical analyses.

The following is a list of the locations visited during recent field trips.

#### October 20, 2015

E.W. Brown Generating Facility  
Ghent Generating Facility

#### October 10-11, 2011

E.W. Brown Generating Facility  
Tyrone Generating Facility  
Ghent Generating Facility  
Trimble County Generating Facility

#### April 23-25, 2007

Trimble County Generating Facility  
Ghent Generating Facility  
E.W. Brown Generating Facility

#### **SERVICE LIFE ANALYSIS**

The service life estimates were based on judgment which considered a number of factors. The primary factors were the statistical analyses of data, current Company policies and outlook as determined during conversations with management; and the survivor curve estimates from previous studies of this company and other electric utility companies.

For most plant accounts and subaccounts for which survivor curves were estimated, the statistical analyses using the retirement rate method resulted in good

to excellent indications of the survivor patterns experienced. Generally, the information external to the statistics led to minimal or no significant departure from the indicated survivor curves for the accounts listed below. The statistical support for the service life estimates is presented in the section beginning on page VII-2.

**STEAM PRODUCTION PLANT**

311	Structures and Improvements
312	Boiler Plant Equipment
314	Turbogenerator Units
316	Miscellaneous Power Plant Equipment

Account 314, Turbogenerator Units, is used to illustrate the manner in which the study was conducted for the groups in the preceding list. Account 314 represents approximately 7 percent of the total depreciable plant. Aged plant accounting data have been compiled for the years 1926 through 2017. These data have been coded in the course of the Company's normal record keeping according to account or property group, type of transaction, year in which the transaction took place, and year in which the electric plant was placed in service. The retirements, other plant transactions, and plant additions were analyzed by the retirement rate method.

The survivor curve estimate for Account 314, Turbogenerator Units, is based on the statistical indications for the periods 1926 through 2017 and 1978 through 2017. The Iowa 60-R2 is an excellent fit of the original survivor curve. The 60-year interim service life is within the typical service life range of 50 to 70 years for turbogenerator units. The 60-year life reflects the Company's practices of continual component upgrades and turbine overhauls for all vintages. The previous estimate was the Iowa 60-R2.

**Life Span Estimates**

Inasmuch as production plant consists of large generating units, the life span

technique was employed in conjunction with the use of interim survivor curves which reflect interim retirements that occur prior to the ultimate retirement of the major unit. An interim survivor curve was estimated for each plant account, inasmuch as the rate of interim retirements differs from account to account. The interim survivor curves estimated for steam production plant were based on the retirement rate method of life analysis which incorporated experienced aged retirements for the period 1926 through 2017.

The depreciable life span estimates for power generating stations were the result of considering experienced life spans of similar generating units, the age of surviving units, general operating characteristics of the units, major refurbishing, and discussions with management personnel concerning the probable long-term outlook for the units and observed features and conditions at the time of the field visit. These life spans represent the expected depreciable life of each facility under their current configuration. The life span estimate for most steam, base-load units is 54 to 64 years, which is within the typical range of life spans for such units.

A summary of the year in service, life span and probable retirement year for each power production unit follows:

<u>Depreciable Group</u>	<u>Major Year in Service</u>	<u>Probable Retirement Year</u>	<u>Life Span</u>
Steam Production Plant			
Tyrone Unit 3	1947,1953	2015	68,62
Tyrone Units 1 & 2	1947,1948	2015	68,67
Green River Unit 3	1954	2015	61
Green River Unit 4	1959	2015	56
Green River Units 1 & 2	1950	2015	65
Brown Unit 1	1956	2019	63
Brown Unit 2	1963	2019	56

Brown Unit 3	1971	2035	64
Pineville Unit 3	1951	2015	64
Ghent Unit 1	1974	2034	60
Ghent Unit 2	1977	2034	57
Ghent Unit 3	1981	2037	56
Ghent Unit 4	1984	2038	54
Trimble County Unit 2	1990,2011	2066	76,55

Similar studies were performed for the remaining plant accounts. Each of the judgments represented a consideration of statistical analyses of aged plant activity, management's outlook for the future, and the typical range of lives used by other electric companies.

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**PART IV. NET SALVAGE CONSIDERATIONS**

## **PART IV. NET SALVAGE CONSIDERATIONS**

### **SALVAGE ANALYSIS**

The estimates of net salvage by account were based in part on historical data compiled through 2017. Cost of removal and salvage were expressed as percents of the original cost of plant retired, both on annual and three-year moving average bases. The most recent five-year average also was calculated for consideration. The net salvage estimates by account are expressed as a percent of the original cost of plant retired.

#### **Net Salvage Considerations**

The estimates of future net salvage are expressed as percentages of surviving plant in service, i.e., all future retirements. In cases in which removal costs are expected to exceed salvage receipts, a negative net salvage percentage is estimated. The net salvage estimates were based on judgment which incorporated analyses of historical cost of removal and salvage data, expectations with respect to future removal requirements and markets for retired equipment and materials.

The analyses of historical cost of removal and salvage data are presented in the section titled "Net Salvage Statistics" for the plant accounts for which the net salvage estimate relied partially on those analyses.

Statistical analyses of historical data for the period, 1985 through 2017 by plant account were analyzed. The analyses contributed significantly toward the net salvage estimates for most plant accounts, representing 93 percent of the depreciable plant, as follows:

#### **STEAM PRODUCTION**

311	Structures and Improvements
312	Boiler Plant Equipment
314	Turbogenerator Units
316	Miscellaneous Power Plant Equipment

The overall net salvage estimates for the Company's production facilities, for which the life span method is used, is based on estimates of both terminal net salvage and interim net salvage. Terminal net salvage is the net salvage experienced at the end of a production plant's life span. Interim net salvage is the net salvage experienced for interim retirements that occur prior to the final retirement of the plant. The terminal net salvage estimates in the study were based on decommissioning costs assigned to comparable facilities. The interim net salvage estimates were based in part on an analysis of historical interim retirement and net salvage data. Based on informed judgment that incorporated these interim net salvage analyses for each plant account, an interim net salvage estimate between 2 and 30 percent was used for each steam plant account.

The interim survivor curve estimates for each account and production facility were used to calculate the percentage of plant expected to be retired as interim retirements and terminal retirements. These are shown on Table 2 in the Net Salvage Statistics section on page VIII-2. These percentages were used to determine the weighted net salvage estimate for each account and production facility based on the interim and terminal net salvage estimates. These calculations, as well as the estimated terminal net salvage amounts and interim net salvage percents, are shown on Table 2 of the Net Salvage Statistics section on page VIII-2.



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**PART V. CALCULATION OF ANNUAL AND  
ACCRUED DEPRECIATION**

**PART V. CALCULATION OF ANNUAL  
AND ACCRUED DEPRECIATION**

**GROUP DEPRECIATION PROCEDURES**

A group procedure for depreciation is appropriate when considering more than a single item of property. Normally the items within a group do not have identical service lives but have lives that are dispersed over a range of time. There are two primary group procedures, namely, average service life and equal life group. In the average service life procedure, the rate of annual depreciation is based on the average life or average remaining life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to average life is more than fully recouped. Over the entire life cycle, the portion of cost not recouped prior to average life is balanced by the cost recouped subsequent to average life.

**Single Unit of Property**

The calculation of straight line depreciation for a single unit of property is straightforward. For example, if a \$1,000 unit of property attains an age of four years and has a life expectancy of six years, the annual accrual over the total life is:

$$\frac{\$1,000}{(4 + 6)} = \$100 \text{ per year.}$$

The accrued depreciation is:

$$\$1,000 \left(1 - \frac{6}{10}\right) = \$400.$$

**Remaining Life Annual Accruals**

For the purpose of calculating remaining life accruals as of December 31, 2017, the depreciation reserve for each plant account is allocated among vintages in proportion to the calculated accrued depreciation for the account. Explanations of remaining life accruals and calculated accrued depreciation follow. The detailed calculations as of December 31, 2017, are set forth in the Results of Study section of the report.

**Average Service Life Procedure**

In the average service life procedure, the remaining life annual accrual for each vintage is determined by dividing future book accruals (original cost less book reserve) by the average remaining life of the vintage. The average remaining life is a directly weighted average derived from the estimated future survivor curve in accordance with the average service life procedure.

The calculated accrued depreciation for each depreciable property group represents that portion of the depreciable cost of the group which would not be allocated to expense through future depreciation accruals if current forecasts of life characteristics are used as the basis for such accruals. The accrued depreciation calculation consists of applying an appropriate ratio to the surviving original cost of each vintage of each account based upon the attained age and service life. The straight line accrued depreciation ratios are calculated as follows for the average service life procedure:

$$\text{Ratio} = 1 - \frac{\text{Average Remaining Service Life}}{\text{Average Service Life}}$$

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**PART VI. RESULTS OF STUDY**

**PART VI. RESULTS OF STUDY**

**QUALIFICATION OF RESULTS**

The calculated annual and accrued depreciation are the principal results of the study. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate annual depreciation accrual rates. An assumption that accrual rates can remain unchanged over a long period of time implies a disregard for the inherent variability in service lives and salvage and for the change of the composition of property in service. The annual accrual rates were calculated in accordance with the straight line remaining life method of depreciation, using the average service life procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

The annual depreciation accrual rates are applicable specifically to the electric plant in service as of December 31, 2017. For most plant accounts, the application of such rates to future balances that reflect additions subsequent to December 31, 2017, is reasonable for a period of three to five years.

**DESCRIPTION OF STATISTICAL SUPPORT**

The service life and salvage estimates were based on judgment which incorporated statistical analyses of retirement data, discussions with management and consideration of estimates made for other electric utility companies. The results of the statistical analyses of service life are presented in the section titled "Service Life Statistics".

The estimated survivor curves for each account are presented in graphical form. The charts depict the estimated smooth survivor curve and original survivor

curve(s), when applicable, related to each specific group. For groups where the original survivor curve was plotted, the calculation of the original life table is also presented.

The analyses of salvage data are presented in the section titled, "Net Salvage Statistics". The tabulations present annual cost of removal and salvage data, three-year moving averages and the most recent five-year average. Data are shown in dollars and as percentages of original costs retired.

#### **DESCRIPTION OF DEPRECIATION TABULATIONS**

A summary of the results of the study, as applied to the original cost of electric plant as of December 31, 2017, is presented on pages VI-4 and VI-5 of this report. The schedule sets forth the original cost, the book reserve, future accruals, the calculated annual depreciation rate and amount, and the composite remaining life related to electric plant.

The tables of the calculated annual depreciation accruals are presented in account sequence in the section titled "Detailed Depreciation Calculations." The tables indicate the estimated survivor curve and net salvage percent for the account and set forth, for each installation year, the original cost, the calculated accrued depreciation, the allocated book reserve, future accruals, the remaining life and the calculated annual accrual amount.

KENTUCKY UTILITIES COMPANY

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL		COMPOSITE REMAINING LIFE (9)=(7)/(4)
						ACCRUAL AMOUNT (7)	ACCRUAL RATE (8)=(7)/(4)	
<b>DEPRECIABLE PLANT</b>								
<b>STEAM PRODUCTION PLANT</b>								
311.00	STRUCTURES AND IMPROVEMENTS							
	TRIMBLE COUNTY UNIT 2							
	TRIMBLE COUNTY UNIT 2 SCRUBBER	105-R2.5	96,307,268.18	27,972,957	80,951,256	1,740,732	1.81	46.5
	SYSTEM LABORATORY	105-R2.5	5,326,451.46	3,229,494	3,048,306	87,268	1.21	45.3
	BROWN UNIT 1	105-R2.5	1,117,119.13	736,160	380,959	17,167	1.54	22.2
	BROWN UNIT 2	105-R2.5	4,677,142.79	4,955,316	2,455	2,098	0.04	1.2
	BROWN UNIT 3	105-R2.5	2,329,727.39	2,431,335	16,976	14,510	0.63	1.2
	BROWN UNIT 1, 2 AND 3 SCRUBBER	105-R2.5	28,754,404.33	14,706,856	15,772,813	910,369	3.17	17.3
	GHEHT UNIT 1 SCRUBBER	105-R2.5	45,382,543.89	12,226,613	35,840,884	2,082,175	4.56	17.4
	GHEHT UNIT 2	105-R2.5	8,397,192.12	7,509,513	1,559,454	95,610	1.14	16.3
	GHEHT UNIT 3	105-R2.5	21,345,248.67	17,200,351	5,852,518	358,281	1.68	16.3
	GHEHT UNIT 4	105-R2.5	16,853,046.80	14,451,749	3,533,545	216,198	1.31	16.2
	GHEHT UNIT 2 SCRUBBER	105-R2.5	51,457,056.74	34,353,891	21,219,730	1,105,327	2.15	19.2
	GHEHT UNIT 4 SCRUBBER	105-R2.5	43,271,160.71	16,680,841	30,072,013	1,486,395	3.44	20.2
	GHEHT UNIT 1 SCRUBBER	105-R2.5	15,916,336.70	14,084,948	2,096,699	183,959	1.15	16.1
	GHEHT UNIT 3 SCRUBBER	105-R2.5	36,901.04	0	39,853	1,958	5.31	20.4
	<b>TOTAL ACCOUNT 311 - STRUCTURES AND IMPROVEMENTS</b>		<b>341,061,605.72</b>	<b>170,461,214</b>	<b>201,288,281</b>	<b>8,205,062</b>	<b>2.42</b>	<b>24.4</b>
311.20	STRUCTURES AND IMPROVEMENTS - RETIRED PLANT							
	TYRONE UNIT 3	105-R2.5	1,821,179.50	2,003,297	0	0	-	-
	TYRONE UNITS 1 AND 2	105-R2.5	630,860.03	693,946	0	0	-	-
	GREEN RIVER UNIT 3	105-R2.5	2,758,302.50	3,031,933	0	0	-	-
	GREEN RIVER UNIT 4	105-R2.5	5,931,449.40	6,194,583	0	0	-	-
	GREEN RIVER UNITS 1 AND 2	105-R2.5	1,756,471.53	1,932,119	0	0	-	-
	PINEVILLE UNIT 3	105-R2.5	182,442.49	200,687	0	0	-	-
	<b>TOTAL ACCOUNT 311.2 - STRUCTURES AND IMPROVEMENTS - RETIRED PLANT</b>		<b>12,778,704.45</b>	<b>14,056,575</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>
312.00	BOILER PLANT EQUIPMENT							
	TRIMBLE COUNTY UNIT 2	70-R1.5	554,286,452.52	110,556,316	515,764,775	12,036,282	2.17	42.8
	TRIMBLE COUNTY UNIT 2 SCRUBBER	70-R1.5	72,993,390.83	21,555,951	60,881,380	1,429,927	1.98	42.6
	BROWN UNIT 1	70-R1.5	38,556,575.43	39,433,716	1,438,254	1,238,148	3.21	1.2
	BROWN UNIT 2	70-R1.5	42,204,805.56	43,229,373	1,507,721	1,299,759	3.06	1.2
	BROWN UNIT 3	70-R1.5	442,651,264.76	90,186,586	389,043,755	22,988,328	5.10	18.9
	BROWN UNIT 1, 2 AND 3 SCRUBBER	70-R1.5	335,178,567.22	75,103,808	280,185,473	16,498,201	4.82	17.0
	GHEHT UNIT 1 SCRUBBER	70-R1.5	139,576,135.58	57,638,695	83,102,541	3,410,674	4.16	16.0
	GHEHT UNIT 1	70-R1.5	355,931,120.22	110,114,714	274,280,896	17,179,573	4.83	16.0
	GHEHT UNIT 2	70-R1.5	277,188,781.51	74,139,461	225,224,423	14,124,142	5.10	15.9
	GHEHT UNIT 3	70-R1.5	433,488,065.02	101,912,764	288,254,388	15,354,337	3.54	16.0
	GHEHT UNIT 4	70-R1.5	751,186,309.60	108,106,676	643,185,403	32,693,892	4.35	19.7
	GHEHT UNIT 2 SCRUBBER	70-R1.5	70,125,584.12	82,367,365	13,368,249	838,182	1.19	16.0
	GHEHT UNIT 3 SCRUBBER	70-R1.5	119,927,931.24	39,524,131	89,350,035	4,705,030	18.7	16.0
	GHEHT UNIT 4 SCRUBBER	70-R1.5	284,161,847.88	95,407,709	178,086,872	9,062,789	3.57	19.6
	<b>TOTAL ACCOUNT 312 - BOILER PLANT EQUIPMENT</b>		<b>3,886,806,605.50</b>	<b>1,159,258,254</b>	<b>3,052,662,145</b>	<b>155,316,414</b>	<b>4.00</b>	<b>19.7</b>
312.10	BOILER PLANT EQUIPMENT - ASH PONDS							
	TRIMBLE COUNTY UNIT 2	100-S4	9,104,044.87	5,018,153	4,085,892	680,982	7.48	6.0
	BROWN UNIT 1	100-S4	9,298,115.00	9,288,846	270	60	0.00	3.0
	BROWN UNIT 2	100-S4	3,909,061.87	2,981,413	917,949	305,883	7.92	3.0
	BROWN UNIT 3	100-S4	19,800,060.29	5,142,658	14,659,522	4,888,507	24.68	3.0
	GHEHT UNIT 1 SCRUBBER	100-S4	35,480.55	39,209	272	91	0.23	3.0
	GHEHT UNIT 1	100-S4	2,100,620.84	2,073,761	26,859	5,372	0.25	3.0
	GHEHT UNIT 4	100-S4	32,692,653.67	14,310,027	18,382,627	4,599,659	14.00	4.0
	GHEHT UNIT 2 SCRUBBER	100-S4	1,901,133.18	1,901,133	0	0	-	-
	TYRONE UNIT 3	100-S4	575,455.72	575,456	0	0	-	-
	GREEN RIVER UNIT 3	100-S4	1,831,840.98	1,831,841	0	0	-	-
	PINEVILLE UNIT 3	100-S4	91,285.89	81,286	0	0	-	-
	<b>TOTAL ACCOUNT 312.1 - BOILER PLANT EQUIPMENT - ASH PONDS</b>		<b>81,348,762.93</b>	<b>43,273,662</b>	<b>38,073,102</b>	<b>10,474,584</b>	<b>12.88</b>	<b>3.6</b>



VI-5

Kentucky Utilities Company  
 December 31, 2017

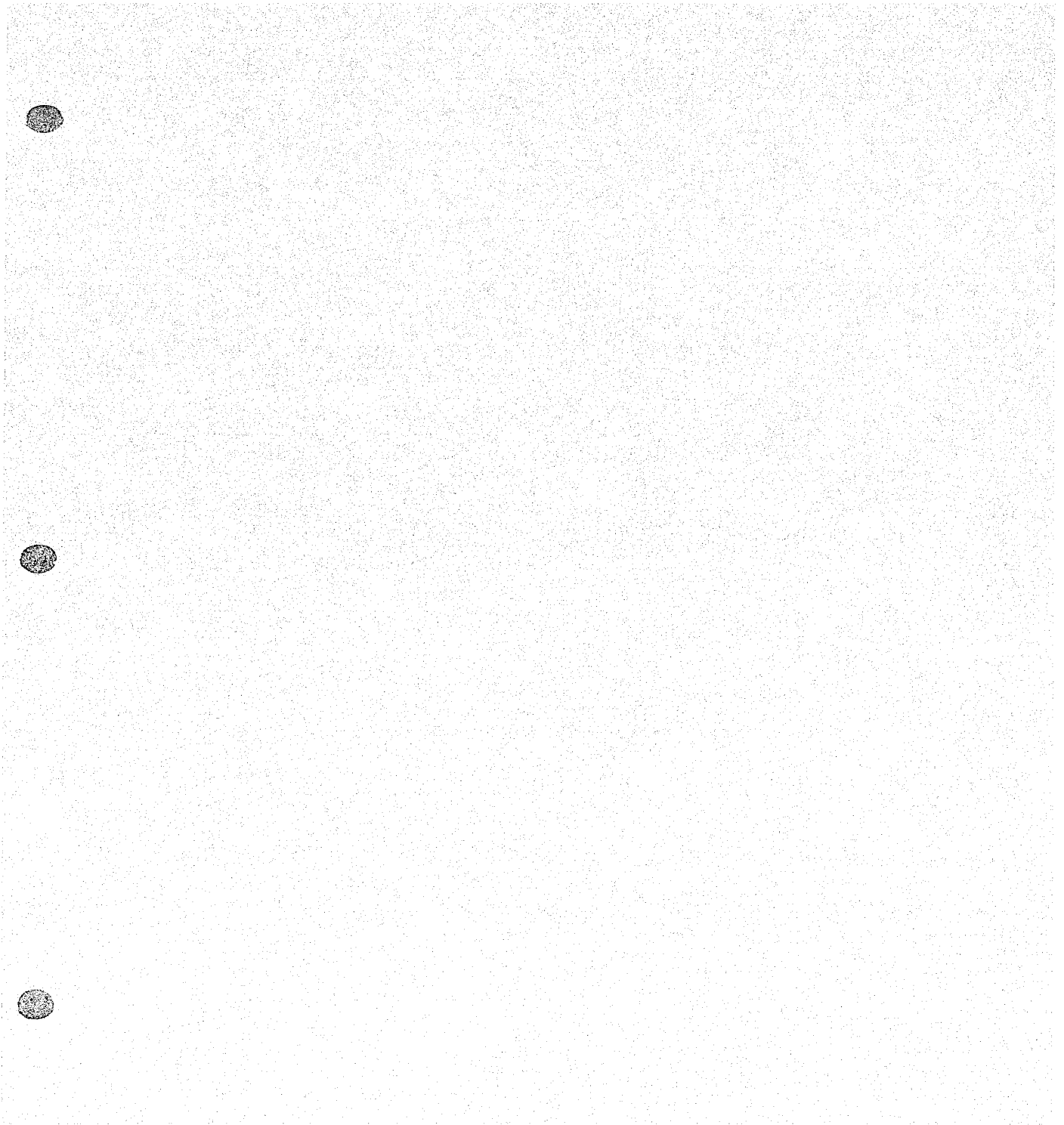
KENTUCKY UTILITIES COMPANY

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL		COMPOSITE REMAINING LIFE (9)=(6)/(7)
						ACCRUAL AMOUNT (7)	ACCRUAL RATE (8)=(7)/(4)	
314.00	TURBOGENERATOR UNITS							
	TRIMBLE COUNTY UNIT 2							
	BROWN UNIT 1	60-R2 *	69,986,324.04	21,784,667	79,919,879	1,925,583	2.14	41.5
	BROWN UNIT 2	60-R2 *	11,380,919.20	11,727,960	335,914	287,021	2.52	1.2
	BROWN UNIT 3	60-R2 *	13,703,060.56	14,265,275	259,989	222,196	1.62	1.2
	GHEINT UNIT 1	60-R2 *	45,797,249.49	8,377,037	40,167,447	2,422,680	5.29	16.6
	GHEINT UNIT 2	60-R2 *	40,327,741.42	22,388,059	21,165,602	1,346,312	3.34	15.7
	GHEINT UNIT 3	60-R2 *	33,056,975.75	22,423,578	13,277,958	866,909	2.62	15.3
	GHEINT UNIT 4	60-R2 *	43,859,372.17	30,697,120	16,971,062	831,474	2.12	17.9
		60-R2 *	59,231,536.72	34,540,570	29,429,690	1,551,503	2.64	18.8
	<b>TOTAL ACCOUNT 314 - TURBOGENERATOR UNITS</b>		<b>337,343,179.35</b>	<b>166,184,876</b>	<b>201,227,449</b>	<b>9,563,678</b>	<b>2.83</b>	<b>21.0</b>
315.00	ACCESSORY ELECTRIC EQUIPMENT							
	TRIMBLE COUNTY UNIT 2							
	TRIMBLE COUNTY UNIT 2 SCRUBBER	70-R4 *	45,619,554.81	9,929,988	41,624,109	907,424	1.99	45.9
	BROWN UNIT 1	70-R4 *	1,415,469.10	793,978	805,502	20,168	1.42	39.9
	BROWN UNIT 2	70-R4 *	4,321,324.05	4,517,823	62,780	53,659	1.24	1.2
	BROWN UNIT 3	70-R4 *	2,416,426.81	2,304,751	56,655	48,431	2.00	1.2
	BROWN UNIT 1, 2 AND 3 SCRUBBER	70-R4 *	15,435,526.73	6,347,369	10,014,291	577,283	3.74	17.3
	GHEINT UNIT 1 SCRUBBER	70-R4 *	29,324,457.10	6,736,824	24,347,101	1,392,854	4.75	17.5
	GHEINT UNIT 1	70-R4 *	12,223,370.51	5,766,882	7,434,568	451,449	3.69	16.5
	GHEINT UNIT 2	70-R4 *	12,336,881.42	6,571,504	4,752,328	282,365	2.37	16.3
	GHEINT UNIT 3	70-R4 *	14,213,740.74	11,578,783	3,772,077	236,021	1.86	16.0
	GHEINT UNIT 4	70-R4 *	33,364,200.62	26,285,521	10,855,628	592,296	1.73	15.8
	GHEINT UNIT 3 SCRUBBER	70-R4 *	52,184,787.21	18,816,313	37,543,268	1,855,228	3.58	20.2
	GHEINT UNIT 4 SCRUBBER	70-R4 *	951,186.87	286,709	760,586	46,130	4.85	16.5
	GHEINT UNIT 3 SCRUBBER	70-R4 *	12,941,898.28	4,433,055	8,572,293	440,911	3.66	19.4
	GHEINT UNIT 4 SCRUBBER	70-R4 *	15,148,041.55	3,480,348	12,879,537	629,191	4.15	20.5
	<b>TOTAL ACCOUNT 315 - ACCESSORY ELECTRIC EQUIPMENT</b>		<b>251,197,011.00</b>	<b>109,033,668</b>	<b>163,580,901</b>	<b>7,533,370</b>	<b>3.00</b>	<b>21.7</b>
316.00	MISCELLANEOUS PLANT EQUIPMENT							
	TRIMBLE COUNTY UNIT 2							
	SYSTEM LABORATORY	75-R1.5 *	7,002,702.79	1,014,150	6,898,904	158,008	2.26	43.7
	BROWN UNIT 1	75-R1.5 *	3,898,912.98	633,650	2,756,263	127,717	3.46	21.6
	BROWN UNIT 2	75-R1.5 *	386,684.21	6,890	406,145	5,931	1.52	1.2
	BROWN UNIT 3	75-R1.5 *	123,107.10	130,414	80	69	0.06	1.2
	GHEINT UNIT 1 SCRUBBER	75-R1.5 *	6,483,855.33	3,197,454	3,075,433	217,739	3.36	16.9
	GHEINT UNIT 1	75-R1.5 *	962,012.25	800,830	139,142	8,684	0.90	15.9
	GHEINT UNIT 2	75-R1.5 *	1,845,970.85	1,684,463	309,186	19,534	1.08	15.8
	GHEINT UNIT 3	75-R1.5 *	1,553,500.99	1,480,824	216,967	13,866	0.89	15.6
	GHEINT UNIT 4	75-R1.5 *	4,027,500.01	2,729,625	1,813,876	87,351	2.17	18.5
		75-R1.5 *	9,959,060.73	3,857,934	6,841,052	353,380	3.53	19.6
	<b>TOTAL ACCOUNT 316 - MISCELLANEOUS PLANT EQUIPMENT</b>		<b>36,076,316.24</b>	<b>16,315,729</b>	<b>22,561,783</b>	<b>992,281</b>	<b>2.75</b>	<b>22.7</b>
	<b>TOTAL STEAM PRODUCTION PLANT</b>		<b>4,946,630,275.19</b>	<b>1,678,583,978</b>	<b>3,679,413,641</b>	<b>192,147,389</b>		

\* LIFE SPAN PROCEDURE IS USED. CURVE SHOWN IS INTERIM SURVIVOR CURVE



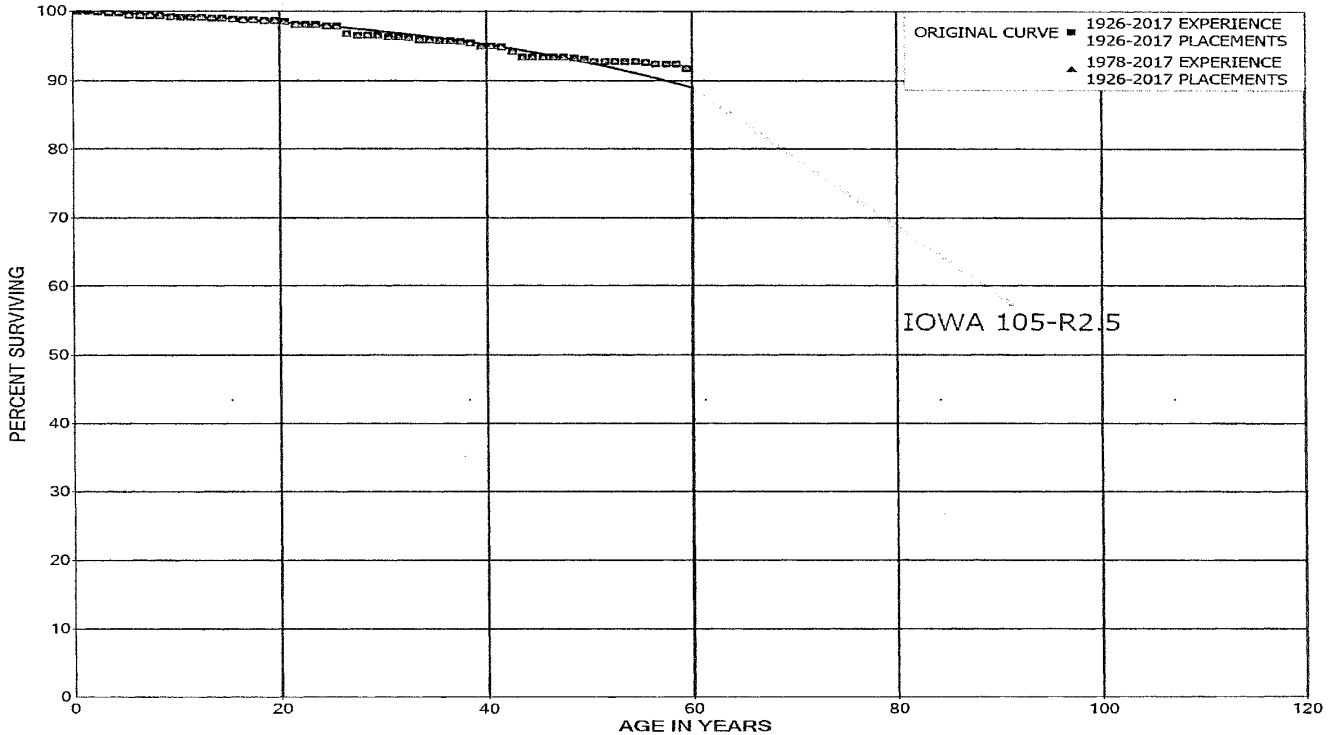


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**PART VII. SERVICE LIFE STATISTICS**

Gannett Fleming  
 VII-2  
 Kentucky Utilities Company  
 December 31, 2017

KENTUCKY UTILITIES COMPANY  
 ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
 ORIGINAL AND SMOOTH SURVIVOR CURVES



KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1926-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	358,518,587		0.0000	1.0000	100.00
0.5	351,924,916	5,735	0.0000	1.0000	100.00
1.5	328,708,696	542,452	0.0017	0.9983	100.00
2.5	315,469,873	186,540	0.0006	0.9994	99.83
3.5	295,009,739	50,433	0.0002	0.9998	99.77
4.5	246,487,512	892,904	0.0036	0.9964	99.76
5.5	243,542,184	151,374	0.0006	0.9994	99.40
6.5	183,713,875	21,095	0.0001	0.9999	99.33
7.5	181,393,884	167,151	0.0009	0.9991	99.32
8.5	180,443,088	170,873	0.0009	0.9991	99.23
9.5	179,882,605	39,157	0.0002	0.9998	99.14
10.5	162,876,515	27,824	0.0002	0.9998	99.12
11.5	162,624,174	27,779	0.0002	0.9998	99.10
12.5	145,848,932	154,244	0.0011	0.9989	99.08
13.5	142,441,493	120,680	0.0008	0.9992	98.98
14.5	142,016,095	118,767	0.0008	0.9992	98.89
15.5	157,096,352	64,102	0.0004	0.9996	98.81
16.5	155,914,569	78,589	0.0005	0.9995	98.77
17.5	155,523,308	109,268	0.0007	0.9993	98.72
18.5	155,346,066	62,571	0.0004	0.9996	98.65
19.5	154,987,568	206,911	0.0013	0.9987	98.61
20.5	143,402,327	580,656	0.0040	0.9960	98.48
21.5	187,437,754	106,129	0.0006	0.9994	98.08
22.5	186,832,000	15,619	0.0001	0.9999	98.03
23.5	170,218,360	232,862	0.0014	0.9986	98.02
24.5	169,366,618	175,871	0.0010	0.9990	97.88
25.5	168,105,725	1,787,255	0.0106	0.9894	97.78
26.5	161,493,737	306,243	0.0019	0.9981	96.74
27.5	120,744,487	17,931	0.0001	0.9999	96.56
28.5	119,429,170	61,674	0.0005	0.9995	96.54
29.5	118,796,303	298,696	0.0025	0.9975	96.49
30.5	115,686,197	3,716	0.0000	1.0000	96.25
31.5	112,904,819	114,710	0.0010	0.9990	96.25
32.5	111,638,165	307,859	0.0028	0.9972	96.15
33.5	95,247,801	87,047	0.0009	0.9991	95.89
34.5	95,146,045	41,008	0.0004	0.9996	95.80
35.5	93,353,668	77,282	0.0008	0.9992	95.76
36.5	58,530,613	44,328	0.0008	0.9992	95.68
37.5	58,057,903	111,949	0.0019	0.9981	95.60
38.5	57,138,911	262,133	0.0046	0.9954	95.42

KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1926-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	56,794,416		0.0000	1.0000	94.98
40.5	40,448,823	63,504	0.0016	0.9984	94.98
41.5	40,385,319	270,668	0.0067	0.9933	94.83
42.5	39,696,986	344,462	0.0087	0.9913	94.20
43.5	24,909,022		0.0000	1.0000	93.38
44.5	24,883,859		0.0000	1.0000	93.38
45.5	24,815,328	5,000	0.0002	0.9998	93.38
46.5	17,322,875	2,942	0.0002	0.9998	93.36
47.5	17,304,689	17,705	0.0010	0.9990	93.35
48.5	17,283,856	35,694	0.0021	0.9979	93.25
49.5	17,231,852	60,621	0.0035	0.9965	93.06
50.5	17,167,131		0.0000	1.0000	92.73
51.5	16,395,544	1,141	0.0001	0.9999	92.73
52.5	16,375,513		0.0000	1.0000	92.72
53.5	16,373,692	9,523	0.0006	0.9994	92.72
54.5	13,953,787	13,326	0.0010	0.9990	92.67
55.5	13,906,348	30,823	0.0022	0.9978	92.58
56.5	13,642,481	829	0.0001	0.9999	92.38
57.5	13,620,945	1,385	0.0001	0.9999	92.37
58.5	11,482,732	82,243	0.0072	0.9928	92.36
59.5	11,376,042	943	0.0001	0.9999	91.70
60.5	9,789,416		0.0000	1.0000	91.69
61.5	7,235,866		0.0000	1.0000	91.69
62.5	7,182,368		0.0000	1.0000	91.69
63.5	5,617,756		0.0000	1.0000	91.69
64.5	5,297,850		0.0000	1.0000	91.69
65.5	4,606,841		0.0000	1.0000	91.69
66.5	3,367,891		0.0000	1.0000	91.69
67.5	2,386,014	11,983	0.0050	0.9950	91.69
68.5	2,370,273		0.0000	1.0000	91.23
69.5	2,065,836		0.0000	1.0000	91.23
70.5	1,041,808		0.0000	1.0000	91.23
71.5	1,041,808		0.0000	1.0000	91.23
72.5	1,041,808		0.0000	1.0000	91.23
73.5	1,041,808		0.0000	1.0000	91.23
74.5	1,041,808		0.0000	1.0000	91.23
75.5	1,041,808		0.0000	1.0000	91.23
76.5					91.23

KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	299,600,037		0.0000	1.0000	100.00
0.5	310,488,444	5,735	0.0000	1.0000	100.00
1.5	287,321,240	542,452	0.0019	0.9981	100.00
2.5	274,726,156	186,540	0.0007	0.9993	99.81
3.5	269,204,050	50,433	0.0002	0.9998	99.74
4.5	220,709,661	867,876	0.0039	0.9961	99.72
5.5	218,028,572	142,045	0.0007	0.9993	99.33
6.5	165,915,832	21,095	0.0001	0.9999	99.27
7.5	163,705,191	167,151	0.0010	0.9990	99.25
8.5	162,787,096	170,873	0.0010	0.9990	99.15
9.5	162,229,923	35,941	0.0002	0.9998	99.05
10.5	145,245,245	18,151	0.0001	0.9999	99.03
11.5	145,014,156	27,779	0.0002	0.9998	99.01
12.5	128,259,088	135,057	0.0011	0.9989	98.99
13.5	124,903,848	120,680	0.0010	0.9990	98.89
14.5	125,758,862	118,767	0.0009	0.9991	98.75
15.5	140,839,120	64,102	0.0005	0.9995	98.70
16.5	139,677,521	77,268	0.0006	0.9994	98.66
17.5	139,344,819	107,012	0.0008	0.9992	98.60
18.5	141,554,132	62,571	0.0004	0.9996	98.53
19.5	141,276,145	206,911	0.0015	0.9985	98.48
20.5	129,690,904	579,229	0.0045	0.9955	98.34
21.5	176,232,830	106,129	0.0006	0.9994	97.90
22.5	175,667,733	15,619	0.0001	0.9999	97.84
23.5	160,832,895	232,862	0.0014	0.9986	97.83
24.5	161,850,851	122,952	0.0008	0.9992	97.69
25.5	160,642,956	1,737,271	0.0108	0.9892	97.62
26.5	154,905,635	306,243	0.0020	0.9980	96.56
27.5	116,958,729	17,931	0.0002	0.9998	96.37
28.5	115,682,950	61,174	0.0005	0.9995	96.35
29.5	115,412,545	298,696	0.0026	0.9974	96.30
30.5	114,519,665	3,716	0.0000	1.0000	96.05
31.5	111,738,287	114,710	0.0010	0.9990	96.05
32.5	110,471,633	307,859	0.0028	0.9972	95.95
33.5	94,081,269	87,047	0.0009	0.9991	95.69
34.5	93,779,513	41,008	0.0004	0.9996	95.60
35.5	92,187,136	77,282	0.0008	0.9992	95.56
36.5	57,164,081	44,328	0.0008	0.9992	95.47
37.5	56,891,371	111,949	0.0020	0.9980	95.40
38.5	55,995,116	262,133	0.0047	0.9953	95.21

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
ORIGINAL LIFE TABLE, CONT.

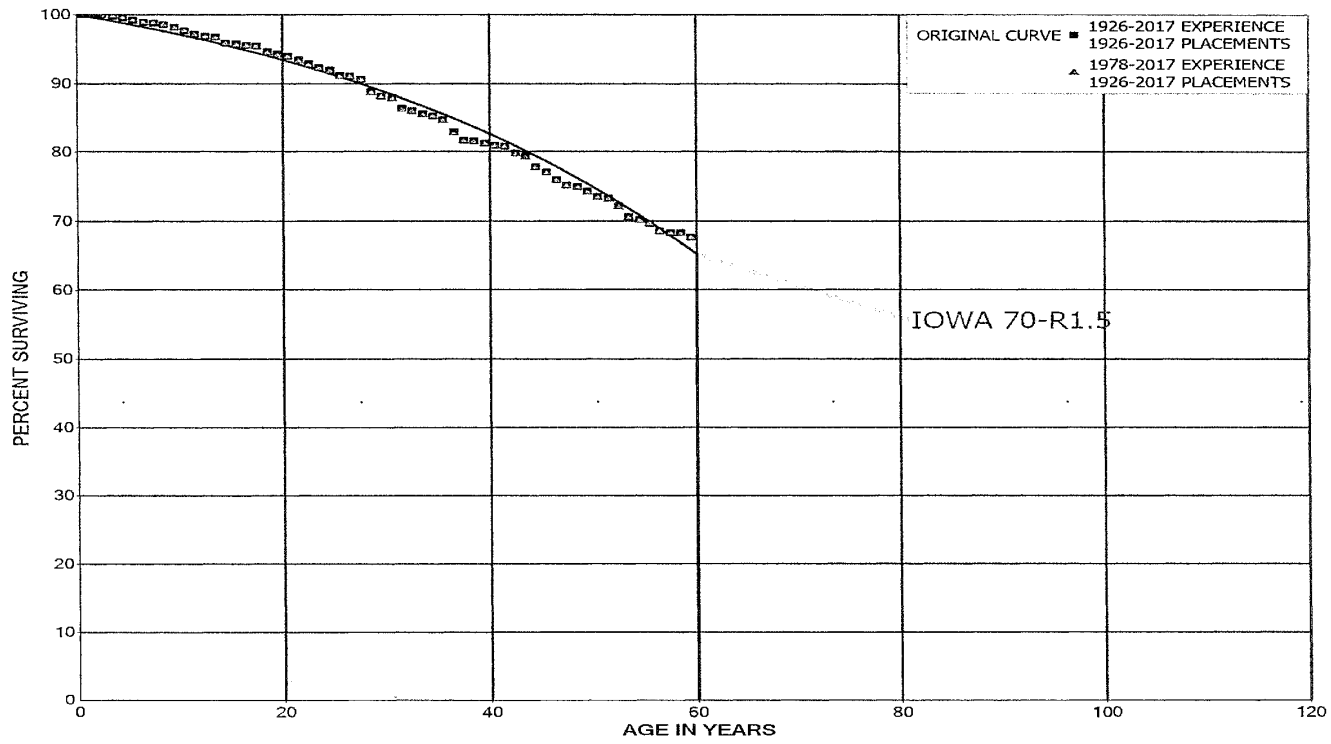
PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	55,650,621		0.0000	1.0000	94.77
40.5	39,305,028	33,715	0.0009	0.9991	94.77
41.5	39,271,313	270,668	0.0069	0.9931	94.69
42.5	38,582,980	344,462	0.0089	0.9911	94.03
43.5	23,795,016		0.0000	1.0000	93.19
44.5	23,769,853		0.0000	1.0000	93.19
45.5	23,701,322		0.0000	1.0000	93.19
46.5	16,213,869	2,942	0.0002	0.9998	93.19
47.5	16,195,683	17,705	0.0011	0.9989	93.18
48.5	16,174,850	35,694	0.0022	0.9978	93.08
49.5	16,122,846	18,423	0.0011	0.9989	92.87
50.5	16,100,323		0.0000	1.0000	92.76
51.5	16,395,544	1,141	0.0001	0.9999	92.76
52.5	16,375,513		0.0000	1.0000	92.76
53.5	16,373,692	9,523	0.0006	0.9994	92.76
54.5	13,953,787	13,326	0.0010	0.9990	92.70
55.5	13,906,348	30,823	0.0022	0.9978	92.62
56.5	13,642,481	829	0.0001	0.9999	92.41
57.5	13,620,945	1,385	0.0001	0.9999	92.40
58.5	11,482,732	82,243	0.0072	0.9928	92.39
59.5	11,376,042	943	0.0001	0.9999	91.73
60.5	9,789,416		0.0000	1.0000	91.73
61.5	7,235,866		0.0000	1.0000	91.73
62.5	7,182,368		0.0000	1.0000	91.73
63.5	5,617,756		0.0000	1.0000	91.73
64.5	5,297,850		0.0000	1.0000	91.73
65.5	4,606,841		0.0000	1.0000	91.73
66.5	3,367,891		0.0000	1.0000	91.73
67.5	2,386,014	11,983	0.0050	0.9950	91.73
68.5	2,370,273		0.0000	1.0000	91.26
69.5	2,065,836		0.0000	1.0000	91.26
70.5	1,041,808		0.0000	1.0000	91.26
71.5	1,041,808		0.0000	1.0000	91.26
72.5	1,041,808		0.0000	1.0000	91.26
73.5	1,041,808		0.0000	1.0000	91.26
74.5	1,041,808		0.0000	1.0000	91.26
75.5	1,041,808		0.0000	1.0000	91.26
76.5					91.26

Gannett Fleming

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Kentucky Utilities Company  
 December 31, 2017

KENTUCKY UTILITIES COMPANY  
 ACCOUNT 312 BOILER PLANT EQUIPMENT  
 ORIGINAL AND SMOOTH SURVIVOR CURVES





KENTUCKY UTILITIES COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1926-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REIMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	4,159,160,426	628,572	0.0002	0.9998	100.00
0.5	4,102,565,263	73,861	0.0000	1.0000	99.98
1.5	3,983,390,994	2,670,287	0.0007	0.9993	99.98
2.5	3,576,555,643	8,372,094	0.0023	0.9977	99.92
3.5	2,920,023,261	5,297,148	0.0018	0.9982	99.68
4.5	2,542,611,810	8,847,635	0.0035	0.9965	99.50
5.5	1,898,389,862	5,321,171	0.0028	0.9972	99.16
6.5	1,320,175,658	1,613,167	0.0012	0.9988	98.88
7.5	1,255,324,757	2,600,881	0.0021	0.9979	98.76
8.5	1,224,744,277	4,930,048	0.0040	0.9960	98.55
9.5	1,193,168,148	6,014,361	0.0050	0.9950	98.16
10.5	1,060,904,142	5,829,846	0.0055	0.9945	97.66
11.5	1,036,359,392	3,358,366	0.0032	0.9968	97.12
12.5	952,096,033	1,082,835	0.0011	0.9989	96.81
13.5	750,877,056	6,642,177	0.0088	0.9912	96.70
14.5	735,574,350	1,152,589	0.0016	0.9984	95.84
15.5	775,689,957	1,433,490	0.0018	0.9982	95.69
16.5	766,312,885	1,048,295	0.0014	0.9986	95.52
17.5	764,470,085	6,401,936	0.0084	0.9916	95.39
18.5	751,319,521	2,630,376	0.0035	0.9965	94.59
19.5	746,195,650	2,501,448	0.0034	0.9966	94.26
20.5	704,753,222	4,309,440	0.0061	0.9939	93.94
21.5	737,940,907	4,218,001	0.0057	0.9943	93.37
22.5	721,374,095	3,867,817	0.0054	0.9946	92.83
23.5	629,563,724	2,903,728	0.0046	0.9954	92.33
24.5	607,766,242	4,688,331	0.0077	0.9923	91.91
25.5	589,984,333	940,249	0.0016	0.9984	91.20
26.5	581,255,942	2,874,827	0.0049	0.9951	91.05
27.5	530,070,177	10,521,562	0.0198	0.9802	90.60
28.5	517,310,244	3,369,517	0.0065	0.9935	88.80
29.5	508,837,169	1,852,641	0.0036	0.9964	88.23
30.5	503,872,687	8,746,216	0.0174	0.9826	87.91
31.5	493,560,467	1,591,460	0.0032	0.9968	86.38
32.5	491,681,469	2,973,812	0.0060	0.9940	86.10
33.5	354,672,584	1,008,415	0.0028	0.9972	85.58
34.5	353,090,051	2,616,046	0.0074	0.9926	85.34
35.5	343,993,127	7,279,466	0.0212	0.9788	84.70
36.5	206,709,645	2,826,368	0.0137	0.9863	82.91
37.5	202,021,484	357,029	0.0018	0.9982	81.78
38.5	193,547,312	705,265	0.0036	0.9964	81.63

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1926-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	190,357,746	805,630	0.0042	0.9958	81.34
40.5	127,569,712	185,770	0.0015	0.9985	80.99
41.5	115,979,194	1,510,705	0.0130	0.9870	80.87
42.5	109,909,164	654,781	0.0060	0.9940	79.82
43.5	59,060,708	1,095,896	0.0186	0.9814	79.35
44.5	56,152,378	549,870	0.0098	0.9902	77.87
45.5	55,189,645	815,815	0.0148	0.9852	77.11
46.5	30,839,865	318,881	0.0103	0.9897	75.97
47.5	30,506,677	83,359	-0.0027	0.9973	75.19
48.5	30,409,129	293,407	0.0096	0.9904	74.98
49.5	30,112,180	310,091	0.0103	0.9897	74.26
50.5	29,790,936	87,355	0.0029	0.9971	73.49
51.5	27,790,332	432,169	0.0156	0.9844	73.28
52.5	27,328,258	590,281	0.0216	0.9784	72.14
53.5	26,654,042	152,249	0.0057	0.9943	70.58
54.5	18,013,474	132,553	0.0074	0.9926	70.18
55.5	17,879,094	288,131	0.0161	0.9839	69.66
56.5	13,793,187	49,273	0.0036	0.9964	68.54
57.5	13,710,633	11,088	0.0008	0.9992	68.29
58.5	13,686,544	123,614	0.0090	0.9910	68.24
59.5	11,898,476		0.0000	1.0000	67.62
60.5	7,471,926	46,504	0.0062	0.9938	67.62
61.5	565,974	18,726	0.0331	0.9669	67.20
62.5	546,419		0.0000	1.0000	64.98
63.5	546,419	56,616	0.1036	0.8964	64.98
64.5	489,803		0.0000	1.0000	58.24
65.5	407,486	235,381	0.5776	0.4224	58.24
66.5	166,261		0.0000	1.0000	24.60
67.5	127,433		0.0000	1.0000	24.60
68.5	127,433		0.0000	1.0000	24.60
69.5	127,433		0.0000	1.0000	24.60
70.5	127,433		0.0000	1.0000	24.60
71.5	127,433		0.0000	1.0000	24.60
72.5	127,433		0.0000	1.0000	24.60
73.5	127,433		0.0000	1.0000	24.60
74.5	127,433		0.0000	1.0000	24.60
75.5	127,433		0.0000	1.0000	24.60
76.5					24.60

KENTUCKY UTILITIES COMPANY  
 ACCOUNT 312 BOILER PLANT EQUIPMENT  
 ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	3,918,084,638	563,333	0.0001	0.9999	100.00
0.5	3,937,027,303	63,679	0.0000	1.0000	99.99
1.5	3,826,869,212	2,670,287	0.0007	0.9993	99.98
2.5	3,432,350,876	8,261,305	0.0024	0.9976	99.91
3.5	2,843,684,961	5,289,712	0.0019	0.9981	99.67
4.5	2,469,845,390	8,821,493	0.0036	0.9964	99.49
5.5	1,827,605,232	5,321,171	0.0029	0.9971	99.13
6.5	1,282,694,112	1,602,217	0.0012	0.9988	98.84
7.5	1,218,086,501	2,600,881	0.0021	0.9979	98.72
8.5	1,187,527,918	4,885,279	0.0041	0.9959	98.51
9.5	1,156,009,559	6,008,235	0.0052	0.9948	98.10
10.5	1,023,765,869	5,778,138	0.0056	0.9944	97.59
11.5	999,317,632	3,323,366	0.0033	0.9967	97.04
12.5	915,139,091	1,064,979	0.0012	0.9988	96.72
13.5	714,047,233	6,623,097	0.0093	0.9907	96.61
14.5	705,833,450	1,139,041	0.0016	0.9984	95.71
15.5	745,962,604	1,387,304	0.0019	0.9981	95.56
16.5	736,631,719	1,030,251	0.0014	0.9986	95.38
17.5	734,816,007	6,235,301	0.0085	0.9915	95.25
18.5	727,251,508	2,615,262	0.0036	0.9964	94.44
19.5	722,452,318	2,435,670	0.0034	0.9966	94.10
20.5	681,944,735	4,262,079	0.0062	0.9938	93.78
21.5	720,039,405	4,188,824	0.0058	0.9942	93.20
22.5	703,511,416	3,838,884	0.0055	0.9945	92.65
23.5	615,474,137	2,903,728	0.0047	0.9953	92.15
24.5	597,282,266	4,663,795	0.0078	0.9922	91.71
25.5	579,555,624	578,270	0.0010	0.9990	91.00
26.5	573,171,153	2,865,527	0.0050	0.9950	90.91
27.5	525,929,611	10,515,735	0.0200	0.9800	90.45
28.5	513,232,121	3,369,517	0.0066	0.9934	88.64
29.5	506,376,596	1,852,029	0.0037	0.9963	88.06
30.5	502,669,808	8,725,800	0.0174	0.9826	87.74
31.5	492,378,004	1,591,460	0.0032	0.9968	86.22
32.5	490,499,492	2,973,812	0.0061	0.9939	85.94
33.5	353,490,607	1,008,415	0.0029	0.9971	85.42
34.5	351,908,074	2,616,046	0.0074	0.9926	85.17
35.5	342,811,150	7,279,466	0.0212	0.9788	84.54
36.5	205,527,668	2,826,368	0.0138	0.9862	82.74
37.5	200,839,507	357,029	0.0018	0.9982	81.61
38.5	193,419,879	705,265	0.0036	0.9964	81.46

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

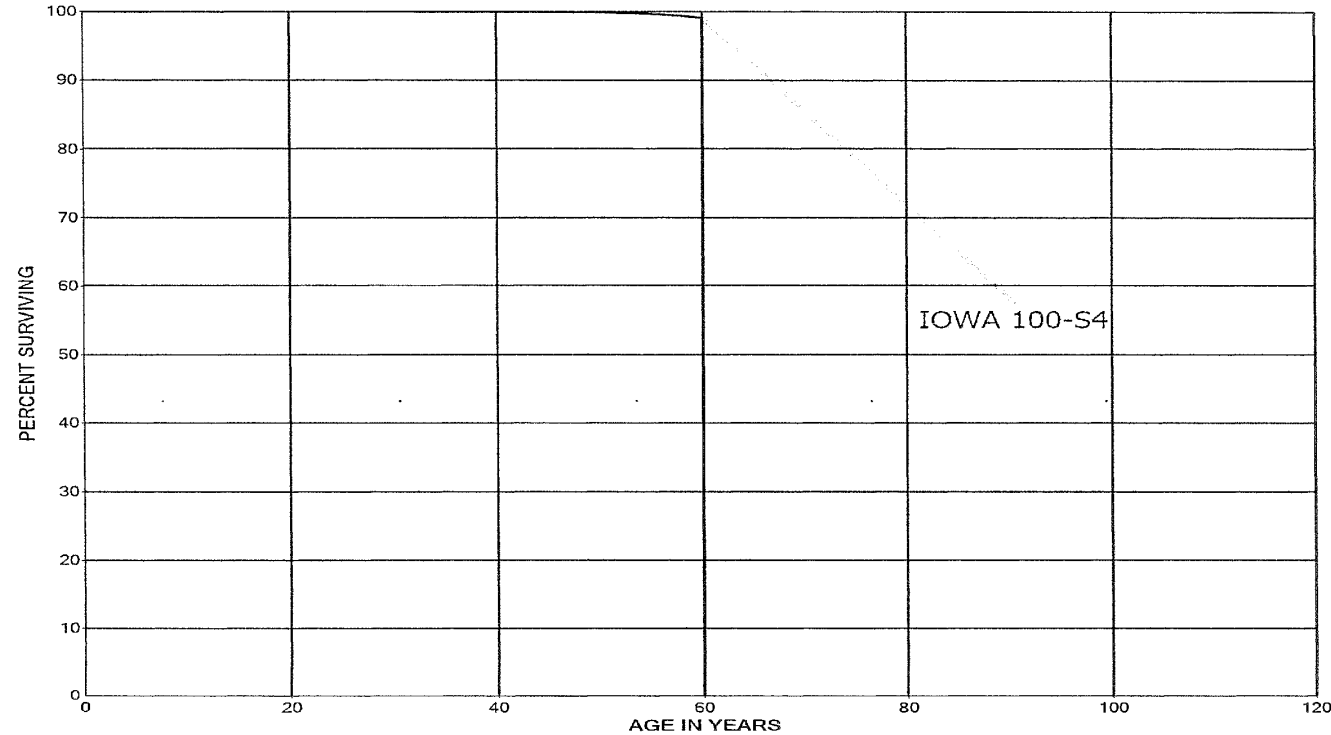
PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	190,230,313	805,630	0.0042	0.9958	81.16
40.5	127,442,279	185,770	0.0015	0.9985	80.82
41.5	115,851,761	1,510,705	0.0130	0.9870	80.70
42.5	109,781,731	654,781	0.0060	0.9940	79.65
43.5	58,933,275	1,095,896	0.0186	0.9814	79.18
44.5	56,024,945	549,870	0.0098	0.9902	77.70
45.5	55,062,212	815,815	0.0148	0.9852	76.94
46.5	30,712,432	318,881	0.0104	0.9896	75.80
47.5	30,379,244	83,359	0.0027	0.9973	75.01
48.5	30,281,696	293,407	0.0097	0.9903	74.81
49.5	29,984,747	310,091	0.0103	0.9897	74.08
50.5	29,663,503	87,355	0.0029	0.9971	73.32
51.5	27,790,332	432,169	0.0156	0.9844	73.10
52.5	27,328,258	590,281	0.0216	0.9784	71.96
53.5	26,654,042	152,249	0.0057	0.9943	70.41
54.5	18,013,474	132,553	0.0074	0.9926	70.01
55.5	17,879,094	288,131	0.0161	0.9839	69.49
56.5	13,793,187	49,273	0.0036	0.9964	68.37
57.5	13,710,633	11,088	0.0008	0.9992	68.13
58.5	13,686,544	123,614	0.0090	0.9910	68.07
59.5	11,898,476		0.0000	1.0000	67.46
60.5	7,471,926	46,504	0.0062	0.9938	67.46
61.5	565,974	18,726	0.0331	0.9669	67.04
62.5	546,419		0.0000	1.0000	64.82
63.5	546,419	56,616	0.1036	0.8964	64.82
64.5	489,803		0.0000	1.0000	58.10
65.5	407,486	235,381	0.5776	0.4224	58.10
66.5	166,261		0.0000	1.0000	24.54
67.5	127,433		0.0000	1.0000	24.54
68.5	127,433		0.0000	1.0000	24.54
69.5	127,433		0.0000	1.0000	24.54
70.5	127,433		0.0000	1.0000	24.54
71.5	127,433		0.0000	1.0000	24.54
72.5	127,433		0.0000	1.0000	24.54
73.5	127,433		0.0000	1.0000	24.54
74.5	127,433		0.0000	1.0000	24.54
75.5	127,433		0.0000	1.0000	24.54
76.5					24.54

 **Gannett Fleming**

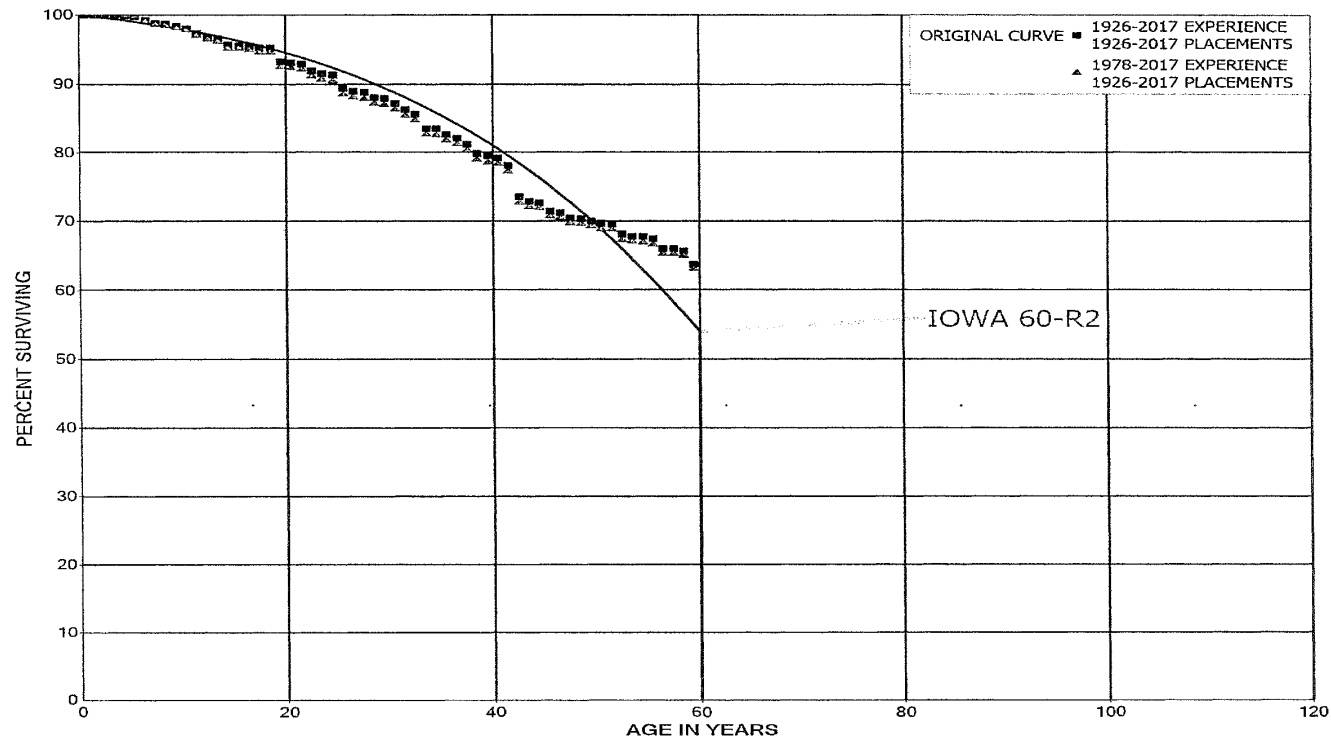
VII-12

Kentucky Utilities Company  
December 31, 2017

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS  
SMOOTH SURVIVOR CURVE



KENTUCKY UTILITIES COMPANY  
 ACCOUNT 314 TURBOGENERATOR UNITS  
 ORIGINAL AND SMOOTH SURVIVOR CURVES



KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1926-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	387,725,214		0.0000	1.0000	100.00
0.5	381,139,714		0.0000	1.0000	100.00
1.5	377,024,441	11,405	0.0000	1.0000	100.00
2.5	366,972,073	134,051	0.0004	0.9996	100.00
3.5	369,243,964	480,666	0.0013	0.9987	99.96
4.5	364,618,100	214,298	0.0006	0.9994	99.83
5.5	338,511,944	2,039,708	0.0062	0.9938	99.77
6.5	267,811,351	1,122,467	0.0042	0.9958	99.15
7.5	265,677,115	366,895	0.0014	0.9986	98.74
8.5	255,946,338	960,583	0.0038	0.9962	98.60
9.5	231,476,191	612,448	0.0026	0.9974	98.23
10.5	228,911,154	1,663,343	0.0073	0.9927	97.97
11.5	220,734,432	1,152,535	0.0052	0.9948	97.26
12.5	211,958,656	495,156	0.0023	0.9977	96.75
13.5	206,744,669	2,047,398	0.0099	0.9901	96.53
14.5	198,855,521	34,900	0.0002	0.9998	95.57
15.5	196,943,842	371,673	0.0019	0.9981	95.55
16.5	195,741,809	496,466	0.0025	0.9975	95.37
17.5	195,244,667	3,600	0.0000	1.0000	95.13
18.5	189,949,254	3,863,067	0.0203	0.9797	95.13
19.5	185,546,481	335,070	0.0018	0.9982	93.19
20.5	174,311,539	367,194	0.0021	0.9979	93.03
21.5	181,798,746	1,871,499	0.0103	0.9897	92.83
22.5	176,719,003	705,556	0.0040	0.9960	91.87
23.5	172,200,433	449,660	0.0026	0.9974	91.51
24.5	171,538,771	3,527,233	0.0206	0.9794	91.27
25.5	167,953,310	787,410	0.0047	0.9953	89.39
26.5	167,144,409	343,432	0.0021	0.9979	88.97
27.5	156,276,738	1,236,741	0.0079	0.9921	88.79
28.5	154,668,125	304,676	0.0020	0.9980	88.08
29.5	154,363,449	1,256,147	0.0081	0.9919	87.91
30.5	152,939,072	1,627,433	0.0106	0.9894	87.20
31.5	151,154,931	1,126,634	0.0075	0.9925	86.27
32.5	149,329,159	3,695,495	0.0247	0.9753	85.62
33.5	97,401,801	58,664	0.0006	0.9994	83.51
34.5	97,306,760	937,038	0.0096	0.9904	83.46
35.5	95,889,706	645,550	0.0067	0.9933	82.65
36.5	71,520,235	818,379	0.0114	0.9886	82.10
37.5	70,696,428	1,109,198	0.0157	0.9843	81.16
38.5	68,486,755	349,329	0.0051	0.9949	79.88

KENTUCKY UTILITIES COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1926-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	63,818,569	198,474	0.0031	0.9969	79.48	
40.5	46,303,642	682,698	0.0147	0.9853	79.23	
41.5	45,620,787	2,664,171	0.0584	0.9416	78.06	
42.5	42,917,695	412,494	0.0096	0.9904	73.50	
43.5	28,807,630	59,844	0.0021	0.9979	72.79	
44.5	28,745,409	482,943	0.0168	0.9832	72.64	
45.5	28,261,577	97,246	0.0034	0.9966	71.42	
46.5	21,538,845	221,501	0.0103	0.9897	71.18	
47.5	21,317,345	33,901	0.0016	0.9984	70.45	
48.5	21,283,444	118,197	0.0056	0.9944	70.33	
49.5	21,159,472	106,372	0.0050	0.9950	69.94	
50.5	21,010,641	23,139	0.0011	0.9989	69.59	
51.5	19,465,619	418,909	0.0215	0.9785	69.51	
52.5	19,020,248	82,920	0.0044	0.9956	68.02	
53.5	18,934,135	11,547	0.0006	0.9994	67.72	
54.5	12,618,892	63,208	0.0050	0.9950	67.68	
55.5	12,555,028	261,631	0.0208	0.9792	67.34	
56.5	9,566,731	1,805	0.0002	0.9998	65.94	
57.5	9,564,926	38,530	0.0040	0.9960	65.93	
58.5	9,511,514	275,161	0.0289	0.9711	65.66	
59.5	8,459,169	73,616	0.0087	0.9913	63.76	
60.5	5,573,236		0.0000	1.0000	63.21	
61.5	96,695		0.0000	1.0000	63.21	
62.5	96,695		0.0000	1.0000	63.21	
63.5	96,695		0.0000	1.0000	63.21	
64.5	96,695	68,206	0.7054	0.2946	63.21	
65.5	28,489		0.0000	1.0000	18.62	
66.5	28,489		0.0000	1.0000	18.62	
67.5	28,489		0.0000	1.0000	18.62	
68.5	28,489		0.0000	1.0000	18.62	
69.5	28,489		0.0000	1.0000	18.62	
70.5	28,489		0.0000	1.0000	18.62	
71.5	28,489		0.0000	1.0000	18.62	
72.5	28,489		0.0000	1.0000	18.62	
73.5	28,489		0.0000	1.0000	18.62	
74.5	28,489		0.0000	1.0000	18.62	
75.5	28,489		0.0000	1.0000	18.62	
76.5					18.62	



KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

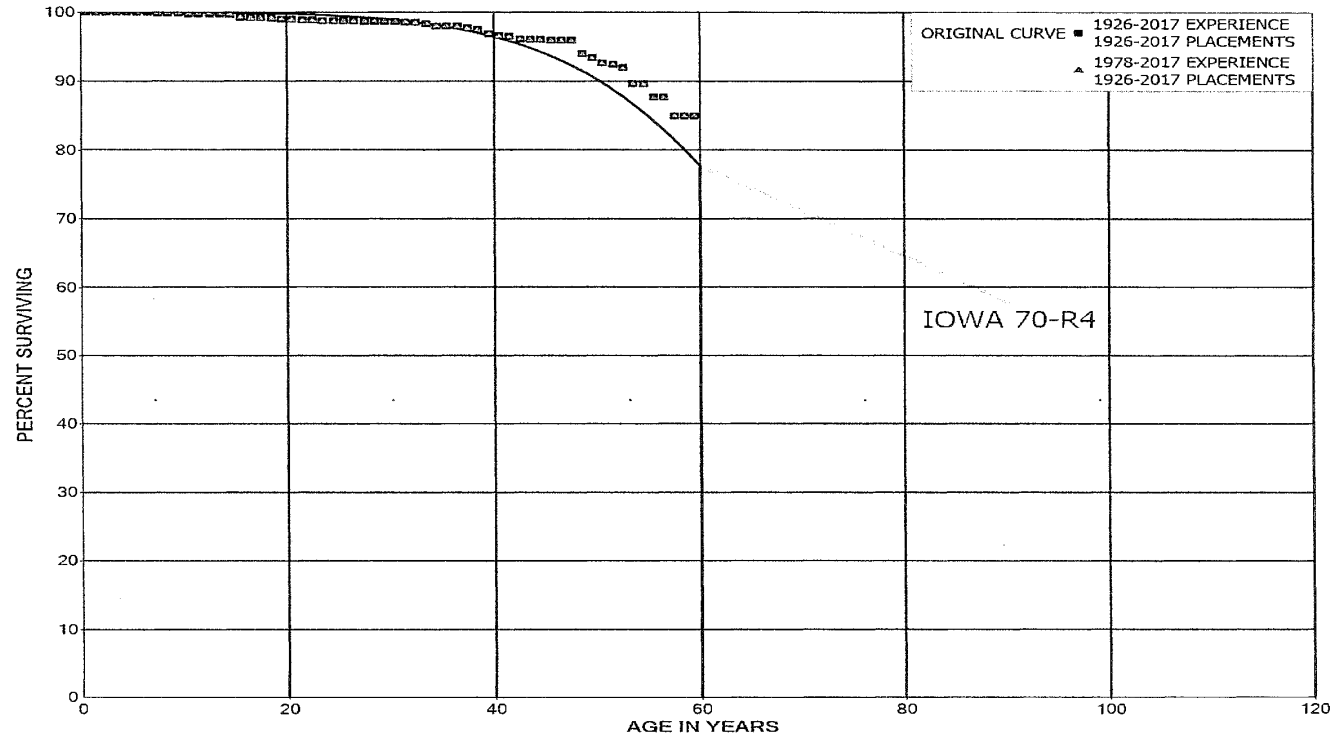
ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	307,782,419		0.0000	1.0000	100.00
0.5	321,891,794		0.0000	1.0000	100.00
1.5	317,776,677	11,405	0.0000	1.0000	100.00
2.5	312,399,690	134,051	0.0004	0.9996	100.00
3.5	330,352,173	480,666	0.0015	0.9985	99.95
4.5	325,728,685	214,298	0.0007	0.9993	99.81
5.5	302,569,441	2,099,708	0.0069	0.9931	99.74
6.5	242,427,874	1,122,467	0.0046	0.9954	99.05
7.5	240,300,992	366,895	0.0015	0.9985	98.59
8.5	230,570,215	960,583	0.0042	0.9958	98.44
9.5	206,113,423	612,448	0.0030	0.9970	98.03
10.5	203,548,386	1,663,343	0.0082	0.9918	97.74
11.5	195,371,665	1,152,535	0.0059	0.9941	96.94
12.5	186,631,654	495,156	0.0027	0.9973	96.37
13.5	181,417,896	2,047,398	0.0113	0.9887	96.11
14.5	178,908,685	34,900	0.0002	0.9998	95.03
15.5	176,997,006	371,673	0.0021	0.9979	95.01
16.5	175,801,839	496,466	0.0028	0.9972	94.81
17.5	175,305,353		0.0000	1.0000	94.54
18.5	174,275,484	3,863,067	0.0222	0.9778	94.54
19.5	169,880,170	331,470	0.0020	0.9980	92.45
20.5	158,648,828	367,194	0.0023	0.9977	92.27
21.5	170,385,312	1,871,499	0.0110	0.9890	92.05
22.5	165,305,569	703,027	0.0043	0.9957	91.04
23.5	163,294,916	449,660	0.0028	0.9972	90.66
24.5	164,953,342	3,508,835	0.0213	0.9787	90.41
25.5	161,422,188	787,410	0.0049	0.9951	88.48
26.5	162,142,671	348,432	0.0021	0.9979	88.05
27.5	153,589,431	1,236,741	0.0081	0.9919	87.86
28.5	151,980,818	304,676	0.0020	0.9980	87.15
29.5	152,521,532	1,251,617	0.0082	0.9918	86.98
30.5	151,852,173	1,627,433	0.0107	0.9893	86.27
31.5	150,068,032	1,126,634	0.0075	0.9925	85.34
32.5	148,242,260	3,695,495	0.0249	0.9751	84.70
33.5	96,314,902	58,664	0.0006	0.9994	82.59
34.5	96,219,861	937,038	0.0097	0.9903	82.54
35.5	94,802,807	645,550	0.0068	0.9932	81.73
36.5	70,433,336	818,379	0.0116	0.9884	81.18
37.5	69,609,529	1,109,198	0.0159	0.9841	80.23
38.5	68,458,266	349,329	0.0051	0.9949	78.96

KENTUCKY UTILITIES COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REIMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	63,790,080	198,474	0.0031	0.9969	78.55
40.5	46,275,153	682,698	0.0148	0.9852	78.31
41.5	45,592,298	2,664,171	0.0584	0.9415	77.15
42.5	42,889,206	412,494	0.0096	0.9904	72.65
43.5	28,779,141	59,844	0.0021	0.9979	71.95
44.5	28,716,920	482,943	0.0168	0.9832	71.80
45.5	28,233,088	97,246	0.0034	0.9966	70.59
46.5	21,510,356	221,501	0.0103	0.9897	70.35
47.5	21,288,856	33,901	0.0016	0.9984	69.62
48.5	21,254,955	118,197	0.0056	0.9944	69.51
49.5	21,130,983	106,372	0.0050	0.9950	69.12
50.5	20,982,152	23,139	0.0011	0.9989	68.78
51.5	19,465,619	418,909	0.0215	0.9785	68.70
52.5	19,020,248	82,920	0.0044	0.9956	67.22
53.5	18,934,135	11,547	0.0006	0.9994	66.93
54.5	12,618,892	63,208	0.0050	0.9950	66.89
55.5	12,555,028	261,631	0.0208	0.9792	66.55
56.5	9,566,731	1,805	0.0002	0.9998	65.17
57.5	9,564,926	38,530	0.0040	0.9960	65.15
58.5	9,511,514	275,161	0.0289	0.9711	64.89
59.5	8,459,169	73,616	0.0087	0.9913	63.01
60.5	5,573,236		0.0000	1.0000	62.47
61.5	96,695		0.0000	1.0000	62.47
62.5	96,695		0.0000	1.0000	62.47
63.5	96,695		0.0000	1.0000	62.47
64.5	96,695	68,206	0.7054	0.2946	62.47
65.5	28,489		0.0000	1.0000	18.40
66.5	28,489		0.0000	1.0000	18.40
67.5	28,489		0.0000	1.0000	18.40
68.5	28,489		0.0000	1.0000	18.40
69.5	28,489		0.0000	1.0000	18.40
70.5	28,489		0.0000	1.0000	18.40
71.5	28,489		0.0000	1.0000	18.40
72.5	28,489		0.0000	1.0000	18.40
73.5	28,489		0.0000	1.0000	18.40
74.5	28,489		0.0000	1.0000	18.40
75.5	28,489		0.0000	1.0000	18.40
76.5					18.40

KENTUCKY UTILITIES COMPANY  
 ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
 ORIGINAL AND SMOOTH SURVIVOR CURVES



KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1926-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REIMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
0.0	236,765,620	2,825	0.0000	1.0000	100.00	
0.5	231,708,286	60,852	0.0003	0.9997	100.00	
1.5	225,886,012	1,251	0.0000	1.0000	99.97	
2.5	221,422,167	53,197	0.0002	0.9998	99.97	
3.5	194,995,759		0.0000	1.0000	99.95	
4.5	164,517,676	19,085	-0.0001	0.9999	99.95	
5.5	135,305,190	29,193	0.0002	0.9998	99.94	
6.5	98,974,416	30,588	0.0003	0.9997	99.91	
7.5	98,459,887	61,116	0.0006	0.9994	99.88	
8.5	97,775,254	9,673	0.0001	0.9999	99.82	
9.5	104,517,017	55,311	0.0005	0.9995	99.81	
10.5	90,447,262	16,618	0.0002	0.9998	99.76	
11.5	89,641,053	24,289	0.0003	0.9997	99.74	
12.5	89,177,905		0.0000	1.0000	99.71	
13.5	89,030,022	112,214	0.0013	0.9987	99.71	
14.5	88,812,753	166,252	0.0041	0.9959	99.59	
15.5	88,446,501	30,424	0.0003	0.9997	99.18	
16.5	88,295,371	11,364	0.0001	0.9999	99.14	
17.5	81,504,981	43,711	0.0005	0.9995	99.13	
18.5	81,461,270	87,989	0.0011	0.9989	99.08	
19.5	81,357,650	38,097	0.0005	0.9995	98.97	
20.5	77,244,094	77,507	0.0010	0.9990	98.92	
21.5	87,735,181	16,906	0.0002	0.9998	98.82	
22.5	86,937,871	77,981	0.0009	0.9991	98.81	
23.5	85,738,060	4,526	0.0001	0.9999	98.72	
24.5	85,519,905	7,439	0.0001	0.9999	98.71	
25.5	87,617,079	21,218	0.0002	0.9998	98.70	
26.5	87,584,833	15,600	0.0002	0.9998	98.68	
27.5	76,914,651	2,400	0.0000	1.0000	98.66	
28.5	76,168,176	8,680	0.0001	0.9999	98.66	
29.5	76,080,939	21,169	0.0003	0.9997	98.65	
30.5	75,990,976	51,076	-0.0007	0.9993	98.62	
31.5	76,808,216	75,706	0.0010	0.9990	98.55	
32.5	76,683,426	137,955	0.0018	0.9982	98.46	
33.5	53,447,278	150,784	0.0028	0.9972	98.28	
34.5	53,296,494	13,931	0.0003	0.9997	98.00	
35.5	52,250,948	40,930	0.0008	0.9992	97.98	
36.5	27,162,297	60,293	0.0022	0.9978	97.90	
37.5	27,702,446	54,375	0.0020	0.9980	97.68	
38.5	27,484,311	175,203	0.0064	0.9936	97.49	

KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1926-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	26,439,415	76,829	0.0029	0.9971	96.87
40.5	16,568,382	18,279	0.0011	0.9989	96.59
41.5	15,910,467	63,328	0.0040	0.9960	96.48
42.5	15,846,566	13,078	0.0008	0.9992	96.10
43.5	9,466,997		0.0000	1.0000	96.02
44.5	9,396,128	8,553	0.0009	0.9991	96.02
45.5	5,179,230		0.0000	1.0000	95.93
46.5	5,410,401	530	0.0001	0.9999	95.93
47.5	5,404,561	109,351	0.0202	0.9798	95.92
48.5	5,569,459	34,150	0.0061	0.9939	93.98
49.5	5,529,355	47,257	0.0085	0.9915	93.40
50.5	5,475,143	10,923	0.0020	0.9980	92.61
51.5	5,151,310	26,194	0.0051	0.9949	92.42
52.5	5,057,986	127,637	0.0252	0.9748	91.95
53.5	4,927,600	3,485	0.0007	0.9993	89.63
54.5	3,014,647	63,419	0.0210	0.9790	89.57
55.5	3,555,458	185	0.0001	0.9999	87.68
56.5	3,040,640	94,142	0.0310	0.9690	87.68
57.5	2,942,091	306	0.0001	0.9999	84.96
58.5	2,925,460		0.0000	1.0000	84.96
59.5	3,067,535	11,578	0.0038	0.9962	84.96
60.5	2,473,101		0.0000	1.0000	84.63
61.5	671,690	883	0.0013	0.9987	84.63
62.5	639,898	9,782	0.0153	0.9847	84.52
63.5	439,626		0.0000	1.0000	83.23
64.5	439,626	65,636	0.1493	0.8507	83.23
65.5	153,727	8,820	0.0574	0.9426	70.80
66.5	144,907		0.0000	1.0000	66.74
67.5	144,907		0.0000	1.0000	66.74
68.5	144,907		0.0000	1.0000	66.74
69.5	144,523		0.0000	1.0000	66.74
70.5	144,523		0.0000	1.0000	66.74
71.5	144,523		0.0000	1.0000	66.74
72.5	144,523		0.0000	1.0000	66.74
73.5	144,523		0.0000	1.0000	66.74
74.5	144,523		0.0000	1.0000	66.74
75.5	144,523		0.0000	1.0000	66.74
76.5					66.74

KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	210,281,179		0.0000	1.0000	100.00
0.5	215,399,686	60,852	0.0003	0.9997	100.00
1.5	209,585,266		0.0000	1.0000	99.97
2.5	205,122,672	41,086	0.0002	0.9998	99.97
3.5	185,246,033		0.0000	1.0000	99.95
4.5	154,837,395	19,085	0.0001	0.9999	99.95
5.5	129,774,535	29,193	0.0002	0.9998	99.94
6.5	93,446,113	30,504	0.0003	0.9997	99.92
7.5	92,932,461	55,034	0.0006	0.9994	99.88
8.5	92,253,910	9,673	0.0001	0.9999	99.83
9.5	99,000,875	55,311	0.0006	0.9994	99.81
10.5	84,931,119	16,618	0.0002	0.9998	99.76
11.5	84,125,307	24,289	0.0003	0.9997	99.74
12.5	83,727,163		0.0000	1.0000	99.71
13.5	83,609,405	112,214	0.0013	0.9987	99.71
14.5	84,090,004	366,252	0.0044	0.9956	99.58
15.5	83,723,752	30,424	0.0004	0.9996	99.14
16.5	83,572,621	11,364	0.0001	0.9999	99.11
17.5	76,793,187	43,711	0.0006	0.9994	99.09
18.5	77,355,946	86,930	0.0011	0.9989	99.04
19.5	77,272,677	37,072	0.0005	0.9995	98.93
20.5	73,163,230	77,507	0.0011	0.9989	98.88
21.5	84,642,261	16,906	0.0002	0.9998	98.77
22.5	83,852,827	77,981	0.0009	0.9991	98.75
23.5	83,190,019	4,526	0.0001	0.9999	98.66
24.5	84,090,545		0.0000	1.0000	98.66
25.5	86,201,755	21,218	0.0002	0.9998	98.66
26.5	86,489,345	15,600	0.0002	0.9998	98.63
27.5	76,397,351		0.0000	1.0000	98.61
28.5	75,653,266	8,680	0.0001	0.9999	98.61
29.5	75,706,049	21,169	0.0003	0.9997	98.60
30.5	75,714,843	51,076	0.0007	0.9993	98.58
31.5	76,553,335	75,706	0.0010	0.9990	98.51
32.5	76,428,545	137,955	0.0018	0.9982	98.41
33.5	53,192,397	150,784	0.0028	0.9972	98.23
34.5	53,041,613	13,931	0.0003	0.9997	97.96
35.5	51,996,067	40,930	0.0008	0.9992	97.93
36.5	26,907,416	60,283	0.0022	0.9978	97.85
37.5	27,447,565	54,375	0.0020	0.9980	97.63
38.5	27,334,430	175,203	0.0064	0.9936	97.44

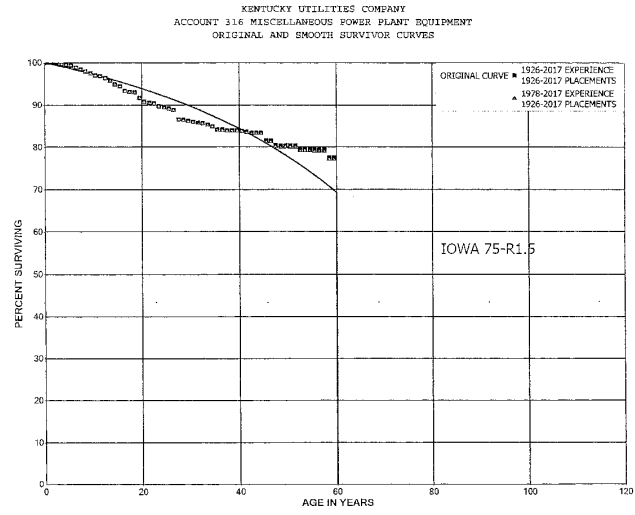
KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	26,289,534	76,829	0.0029	0.9971	96.82
40.5	16,418,501	18,279	0.0011	0.9989	96.53
41.5	15,760,586	63,328	0.0040	0.9960	96.43
42.5	15,696,685	13,078	0.0008	0.9992	96.04
43.5	9,317,116		0.0000	1.0000	95.96
44.5	9,246,247	8,553	0.0009	0.9991	95.96
45.5	5,029,349		0.0000	1.0000	95.87
46.5	5,260,520	530	0.0001	0.9999	95.87
47.5	5,254,680	109,351	0.0208	0.9792	95.86
48.5	5,419,578	34,150	0.0063	0.9937	93.86
49.5	5,379,474	41,899	0.0078	0.9922	93.27
50.5	5,330,620	10,923	0.0020	0.9980	92.55
51.5	5,151,310	26,194	0.0051	0.9949	92.36
52.5	5,057,986	127,637	0.0252	0.9748	91.89
53.5	4,927,600	3,485	0.0007	0.9993	89.57
54.5	3,014,647	63,419	0.0210	0.9790	89.51
55.5	3,555,458	185	0.0001	0.9999	87.62
56.5	3,040,640	94,142	0.0310	0.9690	87.62
57.5	2,942,091	306	0.0001	0.9999	84.91
58.5	2,925,460		0.0000	1.0000	84.90
59.5	3,067,535	11,578	0.0038	0.9962	84.90
60.5	2,473,101		0.0000	1.0000	84.58
61.5	671,690	883	0.0013	0.9987	84.58
62.5	639,898	9,782	0.0153	0.9847	84.46
63.5	439,626		0.0000	1.0000	83.17
64.5	439,626	65,636	0.1493	0.8507	83.17
65.5	153,727	8,820	0.0574	0.9426	70.76
66.5	144,907		0.0000	1.0000	66.70
67.5	144,907		0.0000	1.0000	66.70
68.5	144,907		0.0000	1.0000	66.70
69.5	144,523		0.0000	1.0000	66.70
70.5	144,523		0.0000	1.0000	66.70
71.5	144,523		0.0000	1.0000	66.70
72.5	144,523		0.0000	1.0000	66.70
73.5	144,523		0.0000	1.0000	66.70
74.5	144,523		0.0000	1.0000	66.70
75.5	144,523		0.0000	1.0000	66.70
76.5	144,523		0.0000	1.0000	66.70

Garrett Fleming  
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Kentucky Utilities Company  
December 9, 2017





KENTUCKY UTILITIES COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017		EXPERIENCE BAND 1926-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	43,050,630	1,108	0.0000	1.0000	100.00
0.5	41,182,460	5,849	0.0001	0.9999	100.00
1.5	40,211,977	3,818	0.0001	0.9999	99.98
2.5	38,718,681	117,883	0.0030	0.9970	99.97
3.5	36,066,852	91,858	0.0025	0.9975	99.67
4.5	34,348,177	58,752	0.0017	0.9983	99.42
5.5	32,795,479	142,990	0.0044	0.9956	99.25
6.5	26,917,416	104,872	0.0039	0.9961	98.81
7.5	25,388,431	128,040	0.0050	0.9950	98.43
8.5	24,934,467	116,507	0.0047	0.9953	97.93
9.5	24,693,591	107,515	0.0044	0.9956	97.47
10.5	24,024,308	44,310	0.0018	0.9982	97.05
11.5	23,641,590	114,108	0.0048	0.9952	96.87
12.5	23,043,472	134,225	0.0058	0.9942	96.40
13.5	22,214,442	197,348	0.0089	0.9911	95.84
14.5	20,576,476	112,147	0.0055	0.9945	94.99
15.5	20,111,394	232,788	0.0116	0.9884	94.47
16.5	19,592,885	48,424	0.0025	0.9975	93.38
17.5	19,371,767	10,956	0.0006	0.9994	93.15
18.5	17,995,734	266,714	0.0148	0.9852	93.10
19.5	17,594,677	169,390	0.0096	0.9904	91.72
20.5	15,905,188	44,000	0.0028	0.9972	90.83
21.5	15,175,280	30,647	0.0020	0.9980	90.58
22.5	14,313,625	103,845	0.0073	0.9927	90.40
23.5	13,684,588	39,193	0.0029	0.9971	89.74
24.5	13,215,175	50,089	0.0038	0.9962	89.49
25.5	12,753,822	48,388	0.0038	0.9962	89.15
26.5	11,972,251	292,258	0.0244	0.9756	88.81
27.5	10,878,268	19,028	0.0017	0.9983	86.64
28.5	10,086,599	25,435	0.0025	0.9975	86.49
29.5	9,605,922	19,156	0.0020	0.9980	86.27
30.5	9,037,831	31,787	0.0035	0.9965	86.10
31.5	8,736,254	3,204	0.0004	0.9996	85.80
32.5	8,588,171	40,979	0.0048	0.9952	85.76
33.5	6,360,976	26,656	0.0042	0.9958	85.35
34.5	6,258,722	59,208	0.0095	0.9905	85.00
35.5	5,925,080	4,866	0.0008	0.9992	84.19
36.5	3,750,341	6,027	0.0016	0.9984	84.12
37.5	3,735,650		0.0000	1.0000	83.99
38.5	3,716,037	112	0.0000	1.0000	83.99

KENTUCKY UTILITIES COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1926-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	3,115,040	3,911	0.0013	0.9987	83.99	
40.5	2,400,375	8,454	0.0035	0.9965	83.88	
41.5	2,243,134	4,684	0.0021	0.9979	83.59	
42.5	2,152,483	1,516	0.0007	0.9993	83.41	
43.5	1,115,496	3	0.0000	1.0000	83.35	
44.5	1,113,361	23,469	0.0211	0.9789	83.35	
45.5	1,083,348	1,852	0.0017	0.9983	81.59	
46.5	704,258	8,685	0.0123	0.9877	81.46	
47.5	692,384	600	0.0009	0.9991	80.45	
48.5	629,130		0.0000	1.0000	80.38	
49.5	621,643		0.0000	1.0000	80.38	
50.5	620,999		0.0000	1.0000	80.38	
51.5	606,027	6,885	0.0114	0.9886	80.38	
52.5	597,151		0.0000	1.0000	79.47	
53.5	592,857		0.0000	1.0000	79.47	
54.5	465,373	657	0.0014	0.9986	79.47	
55.5	461,815		0.0000	1.0000	79.36	
56.5	394,863		0.0000	1.0000	79.36	
57.5	394,796	9,195	0.0233	0.9767	79.36	
58.5	368,899	47	0.0001	0.9999	77.51	
59.5	370,854	54,060	0.1458	0.8542	77.50	
60.5	305,062		0.0000	1.0000	66.20	
61.5	198,685	1,111	0.0056	0.9944	66.20	
62.5	196,652	2,505	0.0127	0.9873	65.83	
63.5	184,483	1,443	0.0078	0.9922	64.99	
64.5	183,040		0.0000	1.0000	64.48	
65.5	133,514	34,060	0.2551	0.7449	64.48	
66.5	99,454		0.0000	1.0000	48.03	
67.5	57,780		0.0000	1.0000	48.03	
68.5	57,780	3,383	0.0585	0.9415	48.03	
69.5	54,397		0.0000	1.0000	45.22	
70.5	54,397		0.0000	1.0000	45.22	
71.5	54,397		0.0000	1.0000	45.22	
72.5	54,397		0.0000	1.0000	45.22	
73.5	54,397		0.0000	1.0000	45.22	
74.5	54,133		0.0000	1.0000	45.22	
75.5	54,133		0.0000	1.0000	45.22	
76.5					45.22	

KENTUCKY UTILITIES COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	39,478,933	1,108	0.0000	1.0000	100.00
0.5	38,341,313	5,849	0.0002	0.9998	100.00
1.5	37,497,340	2,159	0.0001	0.9999	99.98
2.5	36,190,633	116,722	0.0032	0.9968	99.98
3.5	34,616,059	85,423	0.0025	0.9975	99.65
4.5	32,915,259	58,572	0.0018	0.9982	99.41
5.5	31,401,220	140,917	0.0045	0.9955	99.23
6.5	25,953,453	100,265	0.0039	0.9961	98.79
7.5	24,435,654	127,461	0.0052	0.9948	98.40
8.5	24,061,109	115,968	0.0048	0.9952	97.89
9.5	23,825,436	104,631	0.0044	0.9956	97.42
10.5	23,162,259	43,405	0.0019	0.9981	96.99
11.5	22,792,828	113,113	0.0050	0.9950	96.81
12.5	22,199,524	131,492	0.0059	0.9941	96.33
13.5	21,375,396	194,864	0.0091	0.9909	95.76
14.5	19,807,626	111,353	0.0056	0.9944	94.89
15.5	19,348,864	220,268	0.0114	0.9886	94.35
16.5	18,845,522	47,436	0.0025	0.9975	93.28
17.5	18,633,467	10,428	0.0006	0.9994	93.04
18.5	17,364,443	264,139	0.0152	0.9848	92.99
19.5	16,968,031	167,387	0.0099	0.9901	91.58
20.5	15,284,284	38,417	0.0025	0.9975	90.67
21.5	14,737,305	29,085	0.0020	0.9980	90.45
22.5	13,900,687	103,728	0.0075	0.9925	90.27
23.5	13,298,791	38,998	0.0029	0.9971	89.59
24.5	12,844,704	44,700	0.0035	0.9965	89.33
25.5	12,395,034	46,319	0.0037	0.9963	89.02
26.5	11,641,660	292,258	0.0251	0.9749	88.69
27.5	10,718,459	19,028	0.0018	0.9982	86.46
28.5	9,935,033	25,435	0.0026	0.9974	86.31
29.5	9,489,264	19,146	0.0020	0.9980	86.09
30.5	8,962,034	31,787	0.0035	0.9965	85.91
31.5	8,662,438	3,204	0.0004	0.9996	85.61
32.5	8,514,368	40,979	0.0048	0.9952	85.58
33.5	6,287,268	26,656	0.0042	0.9958	85.16
34.5	6,185,014	59,208	0.0096	0.9904	84.80
35.5	5,851,899	4,779	0.0008	0.9992	83.99
36.5	3,678,447	6,027	0.0016	0.9984	83.92
37.5	3,663,756		0.0000	1.0000	83.78
38.5	3,656,781	13	0.0000	1.0000	83.78

KENTUCKY UTILITIES COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1926-2017			EXPERIENCE BAND 1978-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	3,055,883	3,911	0.0013	0.9987	83.78
40.5	2,341,218	8,454	0.0036	0.9964	83.68
41.5	2,183,977	4,684	0.0021	0.9979	83.38
42.5	2,093,326	1,516	0.0007	0.9993	83.20
43.5	1,056,339	3	0.0000	1.0000	83.14
44.5	1,054,204	23,469	0.0223	0.9777	83.14
45.5	1,024,191	1,852	0.0018	0.9982	81.29
46.5	645,101	8,685	0.0135	0.9865	81.14
47.5	633,227	600	0.0009	0.9991	80.05
48.5	569,973		0.0000	1.0000	79.97
49.5	562,486		0.0000	1.0000	79.97
50.5	561,842		0.0000	1.0000	79.97
51.5	606,027	6,885	0.0114	0.9886	79.97
52.5	597,151		0.0000	1.0000	79.06
53.5	592,857		0.0000	1.0000	79.06
54.5	465,373	657	0.0014	0.9986	79.06
55.5	461,815		0.0000	1.0000	78.95
56.5	394,863		0.0000	1.0000	78.95
57.5	394,796	9,195	0.0233	0.9767	78.95
58.5	368,899	47	0.0001	0.9999	77.11
59.5	370,854	54,060	0.1458	0.8542	77.10
60.5	305,062		0.0000	1.0000	65.86
61.5	198,685	1,111	0.0056	0.9944	65.86
62.5	196,652	2,505	0.0127	0.9873	65.49
63.5	184,483	1,443	0.0078	0.9922	64.66
64.5	183,040		0.0000	1.0000	64.15
65.5	133,514	34,060	0.2551	0.7449	64.15
66.5	99,454		0.0000	1.0000	47.79
67.5	57,780		0.0000	1.0000	47.79
68.5	57,780	3,383	0.0585	0.9415	47.79
69.5	54,397		0.0000	1.0000	44.99
70.5	54,397		0.0000	1.0000	44.99
71.5	54,397		0.0000	1.0000	44.99
72.5	54,397		0.0000	1.0000	44.99
73.5	54,397		0.0000	1.0000	44.99
74.5	54,133		0.0000	1.0000	44.99
75.5	54,133		0.0000	1.0000	44.99
76.5					44.99



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**PART VIII. NET SALVAGE STATISTICS**



KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1988	6,045		0		0		0
1989	2,547		0		0		0
1990	54,378		0		0		0
1991							
1992							
1993							
1994							
1995	86,278	10,005	12	2,930	3	7,074-	8-
1996	2,936	609	21	3,210	109	2,601	89
1997	103,244	8,046	8		0	8,046-	8-
1998	32,510	16,167	50		0	16,167-	50-
1999	5,858-	1,967-	34		0	1,967	34-
2000	11,626		0		0		0
2001	144,193	33,335	23		0	33,335-	23-
2002	370,024	20,477	6	241,345	65	220,868	60
2003							
2004	228,612	46,180	20		0	46,180-	20-
2005							
2006	137,959	47,675	35		0	47,675-	35-
2007	2,213,101	777,334	35		0	777,334-	35-
2008	89,209	20,700	23		0	20,700-	23-
2009	145,695	45,964	32	87,350	60	41,386	28
2010	88,392	12,254	14		0	12,254-	14-
2011	681,753	435,245	64		0	435,245-	64-
2012	243,522	153,934	63	2,596	1	151,338-	62-
2013	290,864	98,691	34	276	0	98,416-	34-
2014	674,281	1,428,648	212	38,924-	6-	1,467,572-	218-
2015	1,711,254	156,217	9	30,000	2	126,217-	7-
2016	856,221	350,961	41	1,307	0	349,653-	41-
2017	562,235	496,650	88	1,285	0	495,366-	88-
TOTAL	8,731,023	4,157,125	48	331,375	4	3,825,750-	44-

THREE-YEAR MOVING AVERAGES

88-90	20,990		0		0		0
89-91	18,975		0		0		0
90-92	18,126		0		0		0
91-93							
92-94							
93-95	28,759	3,335	12	977	3	2,358-	8-
94-96	29,738	3,538	12	2,047	7	1,491-	5-
95-97	64,153	6,220	10	2,047	3	4,173-	7-



KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
96-98	46,230	8,274	18	1,070	2	7,204-	16-
97-99	43,299	7,415	17		0	7,415-	17-
98-00	12,759	4,733	37		0	4,733-	37-
99-01	49,987	10,456	21		0	10,456-	21-
00-02	175,281	17,937	10	80,448	46	62,511	36
01-03	171,406	17,937	10	80,448	47	62,511	36
02-04	199,545	22,219	11	80,448	40	58,229	29
03-05	76,204	15,393	20		0	15,393-	20-
04-06	122,191	31,285	26		0	31,285-	26-
05-07	783,687	275,003	35		0	275,003-	35-
06-08	813,423	281,903	35		0	281,903-	35-
07-09	816,002	281,333	34	29,117	4	252,216-	31-
08-10	107,766	26,306	24	29,117	27	2,811	3
09-11	305,280	164,488	54	29,117	10	135,371-	44-
10-12	337,889	200,478	59	865	0	199,613-	59-
11-13	405,380	229,290	57	957	0	228,333-	56-
12-14	402,889	560,424	139	12,018-	3-	572,442-	142-
13-15	892,133	561,185	63	2,883-	0	564,068-	63-
14-16	1,080,585	645,275	60	2,539-	0	647,814-	60-
15-17	1,043,236	334,609	32	10,864	1	323,745-	31-
FIVE-YEAR AVERAGE							
13-17	818,971	506,233	62	1,211-	0	507,445-	62-

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1988	5,472,744	33,162-	1-	85,506	2	118,668	2
1989	140,477		0		0		0
1990	139,953		0		0		0
1991							
1992	3,381,168	126,229	4	2,358	0	123,871-	4-
1993	73,171	586,475	802	202,990-	277-	789,466-	
1994	3,105,560	1,235,481	40	5,496	0	1,229,984-	40-
1995	2,831,089	887,355	31	88,317	3	799,038-	28-
1996	2,448,557	1,372,067	56	1,245,733	51	126,335-	5-
1997	3,497,148	736,637	21	6,713	0	729,924-	21-
1998	614,620	826,172	134	14,906-	2-	841,078-	137-
1999	855,983	776,825	91	5,197	1	771,628-	90-
2000	4,074,449		0	20,250	0	20,250	0
2001	2,773,207	973,763	35	350	0	973,413-	35-
2002	1,580,022	47,752	3	842,803	53	795,051	50
2003	3,081,492	1,016,856	33		0	1,016,856-	33-
2004	2,629,000	1,220,722	46		0	1,220,722-	46-
2005	2,723,301	1,455,836	53	3,066	0	1,452,769-	53-
2006	8,467,051	5,300,625	63	17,365	0	5,283,260-	62-
2007	5,552,705	1,817,773	33	176,926	3	1,640,847-	30-
2008	1,602,275	654,037	41		0	654,037-	41-
2009	4,750,276	2,120,465	45	20,000	0	2,100,465-	44-
2010	8,267,108	974,238	12	10,802	0	963,435-	12-
2011	7,436,356	1,421,560	19	342,587	5	1,078,973-	15-
2012	23,431,274	5,029,476	21	172,783	1	4,856,693-	21-
2013	5,299,416	4,590,997	87	323,182	6	4,267,815-	81-
2014	12,989,896	2,451,690	19	186,603	1	2,265,087-	17-
2015	18,285,838	1,902,123	10	260,531	1	1,641,592-	9-
2016	10,706,444	3,910,726	37	199,327	2	3,711,400-	35-
2017	8,820,017	5,529,286	63	131,933	1	5,397,354-	61-
TOTAL	155,030,596	46,932,006	30	3,929,933	3	43,002,073-	28-
THREE-YEAR MOVING AVERAGES							
88-90	1,917,725	11,054-	1-	28,502	1	39,556	2
89-91	93,477		0		0		0
90-92	1,173,707	42,076	4	786	0	41,290-	4-
91-93	1,151,446	237,568	21	66,877-	6-	304,446-	26-
92-94	2,186,633	649,395	30	65,045-	3-	714,440-	33-
93-95	2,003,273	903,104	45	36,392-	2-	939,496-	47-
94-96	2,795,069	1,164,968	42	446,515	16	718,452-	26-
95-97	2,925,598	998,687	34	446,921	15	551,766-	19-

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
96-98	2,186,775	978,292	45	412,513	19	565,779	26
97-99	1,655,917	779,878	47	999	0	780,877	47
98-00	1,848,351	534,332	29	3,514	0	530,819	29
99-01	2,567,880	583,529	23	8,599	0	574,930	22
00-02	2,809,226	340,505	12	287,801	10	52,704	2
01-03	2,478,240	679,457	27	281,051	11	398,406	16
02-04	2,430,171	761,777	31	280,934	12	480,842	20
03-05	2,811,264	1,231,138	44	1,022	0	1,230,116	44
04-06	4,606,451	2,659,061	58	6,811	0	2,652,250	58
05-07	5,581,019	2,858,078	51	65,786	1	2,792,292	50
06-08	5,207,344	2,590,812	50	64,764	1	2,526,048	49
07-09	3,968,419	1,530,758	39	65,642	2	1,465,117	37
08-10	4,873,220	1,249,580	26	10,267	0	1,239,312	25
09-11	6,817,913	1,505,421	22	124,463	2	1,380,958	20
10-12	13,044,913	2,475,091	19	175,391	1	2,299,700	18
11-13	12,055,682	3,680,678	31	279,518	2	3,401,160	28
12-14	13,906,862	4,024,055	29	227,523	2	3,796,532	27
13-15	12,191,717	2,981,604	24	256,772	2	2,724,832	22
14-16	13,994,059	2,754,847	20	215,487	2	2,539,360	18
15-17	12,604,100	3,780,712	30	197,263	2	3,583,449	28
FIVE-YEAR AVERAGE							
13-17	11,220,322	3,676,965	33	220,315	2	3,456,650	31

KENTUCKY UTILITIES COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1994	1,285,265	314,381	24		0	314,381	24-
1995	1,942,977	374,438	19	110,477	6	263,960	14-
1996	1,313,231	452,454	34	2,403,674	183	1,951,220	149
1997	3,603,445	466,687	13		0	466,687	13-
1998	210,345	173,846	83		0	173,846	83-
1999	152,655	85,180	56		0	85,180	56-
2000	32,604		0		0		0
2001	100,327	27,123	27		0	27,123	27-
2002	405,528	42,556	10	314,790	78	272,234	67
2003	3,275,422	878,306	27	61,336	2	816,969	25-
2004	1,624,795	449,310	28		0	449,310	28-
2005	771,200	302,941	39		0	302,941	39-
2006	3,934,128	1,012,073	26		0	1,012,073	26-
2007	832,436	139,427	17	582,620	70	443,192	53
2008	3,477,445	544,686	16		0	544,686	16-
2009	4,484,265	1,068,154	24	167,816	4	900,337	20-
2010	133,532	18,175	14		0	18,175	14-
2011	1,816,683	534,507	29	920,288	51	385,780	21
2012	957,971	536,939	56		0	536,939	56-
2013	3,284,484	330,529	10		0	330,529	10-
2014	1,010,285	223,264	22		0	223,264	22-
2015	4,274,069	850,763	20		0	850,763	20-
2016	513,878	481,408	94		0	481,408	94-
2017	4,382,123	490,378	11	-48,995	1	441,383	10-
TOTAL	43,819,093	9,797,523	22	4,609,996	11	5,187,526	12-
THREE-YEAR MOVING AVERAGES							
94-96	1,513,824	380,424	25	838,051	55	457,626	30
95-97	2,286,551	431,193	19	838,051	37	406,858	18
96-98	1,709,007	364,329	21	801,225	47	436,896	26
97-99	1,322,148	241,904	18		0	241,904	18-
98-00	131,868	86,342	65		0	86,342	65-
99-01	95,195	37,434	39		0	37,434	39-
00-02	179,486	23,226	13	104,930	58	81,704	46
01-03	1,260,426	315,995	25	125,376	10	190,619	15-
02-04	1,768,582	456,724	26	125,376	7	331,348	19-
03-05	1,890,472	543,519	29	20,446	1	523,073	28-
04-06	2,110,041	588,108	28		0	588,108	28-
05-07	1,845,921	484,814	26	194,207	11	290,607	16-
06-08	2,748,003	565,395	21	194,207	7	371,189	14-
07-09	2,931,382	584,069	20	250,145	9	333,944	11-

KENTUCKY UTILITIES COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
08-10	2,698,414	543,672	20	55,939	2	487,733	18-
09-11	2,144,827	540,279	25	362,701	17	177,578	8-
10-12	969,395	363,207	37	306,762	32	56,445	6-
11-13	2,019,713	467,325	23	306,762	15	160,563	8-
12-14	1,750,913	363,577	21	0	0	363,577	21-
13-15	2,856,280	468,185	16	0	0	468,185	16-
14-16	1,932,744	518,478	27	0	0	518,478	27-
15-17	3,056,690	607,516	20	16,332	1	591,184	19-
FIVE-YEAR AVERAGE							
13-17	2,692,968	475,268	18	9,799	0	465,469	17-

KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1991	6,329		0		0		0
1992							
1993	37,232	74,358	200	396,748-		471,106-	
1994	9,852	977	10		0	977-	10-
1995	145,075	11,330	8	7,322	5	4,008-	3-
1996	76,925	10,741	14	124,975	162	114,234	149
1997	38,297	2,010	5		0	2,010-	5-
1998							
1999							
2000							
2001	16,118	6,569	41		0	6,569-	41-
2002	434		0	64,999		64,999	
2003	836		0		0		0
2004	28,226	7,603	27		0	7,603-	27-
2005							
2006	108,356	11,238	10		0	11,238-	10-
2007	195,095	71,257	37		0	71,257-	37-
2008	975		0		0		0
2009	69,407	58,030	84		0	58,030-	84-
2010	33,428	2,689	8	9,196	28	6,507	19
2011	909,711	308,869	34	119,912	13	188,957-	21-
2012	151,980	93,390	61	618	0	92,772-	61-
2013	363,097	239,415	66	2,808	1	236,607-	65-
2014	50,933	3,296	6	2,842	6	454-	1-
2015	30,263	7,973	26		0	7,973-	26-
2016	248,392	40,448	16		0	40,448-	16-
2017	115,065	15,658	14		0	15,658-	14-
TOTAL	2,636,025	965,851	37	64,076-	2-	1,029,928-	39-

THREE-YEAR MOVING AVERAGES

91-93	14,520	24,786	171	132,249-	911-	157,035-	
92-94	15,695	25,112	160	132,249-	843-	157,361-	
93-95	64,053	28,888	45	129,809-	203-	158,697-	248-
94-96	77,284	7,682	10	44,099	57	36,416	47
95-97	86,766	8,027	9	44,099	51	36,072	42
96-98	38,407	4,250	11	41,658	108	37,408	97
97-99	12,766	670	5		0	670-	5-
98-00							
99-01	5,373	2,190	41		0	2,190-	41-
00-02	5,517	2,190	40	21,666	393	19,477	353
01-03	5,796	2,190	38	21,666	374	19,477	336

KENTUCKY UTILITIES COMPANY  
 ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
 SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
02-04	9,832	2,534	26	21,666	220	19,132	195
03-05	9,687	2,534	26		0	2,534	26
04-06	45,527	6,280	14		0	6,280	14
05-07	101,150	27,498	27		0	27,498	27
06-08	101,475	27,498	27		0	27,498	27
07-09	88,492	43,096	49		0	43,096	49
08-10	34,603	20,240	58	3,065	9	17,174	50
09-11	337,515	123,196	37	43,036	13	80,160	24
10-12	365,039	134,983	37	43,242	12	91,741	25
11-13	474,929	213,891	45	41,113	9	172,779	36
12-14	188,670	112,034	59	2,089	1	109,944	58
13-15	148,098	83,562	56	1,883	1	81,678	55
14-16	109,862	17,239	16	947	1	16,292	15
15-17	131,240	21,360	16		0	21,360	16
FIVE-YEAR AVERAGE							
13-17	161,550	61,358	38	1,130	1	60,228	37

KENTUCKY UTILITIES COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1988	7,815		0	100	1	100	1
1989	20,616		0	4,480	22	4,480	22
1990	4,249,398		0	164,118	4	164,118	4
1991	4,929		0		0		0
1992	55,521	958	2		0	958-	2-
1993	11,206	383	3	37,633	336	37,251	332
1994	24,722	42	0	337	1	295	1
1995	52,493	70	0	6,472	12	6,402	12
1996	50,369	120	0	7,529	15	7,409	15
1997	244,396	219	0	3,617	1	3,397	1
1998	65,320	374	1	12,212-	19-	12,586-	19-
1999	111,838	432	0	5,234	5	4,802	4
2000	472		0		0		0
2001	25,187		0		0		0
2002	56,542-		0	23,399	41-	23,399	41-
2003							
2004	186,564	10,310	6		0	10,310-	6-
2005							
2006	122,613	3,804	3	567	0	3,237-	3-
2007	196,052	737	0		0	737-	0
2008	15,404		0		0		0
2009	39,354	1,153	3		0	1,153-	3-
2010	20,830	3,603	17		0	3,603-	17-
2011	365,962	8,495	2		0	8,495-	2-
2012	149,327	7,193	5		0	7,193-	5-
2013	10,638	4,091	38		0	4,091-	38-
2014	191,506		0		0		0
2015	81,385	261,730	322		0	261,730-	322-
2016	470,726	10,352	2		0	10,352-	2-
2017	375,840	22,778	6	27,560	7	4,782	1
TOTAL	7,093,940	336,845	5	268,834	4	68,011-	1-

THREE-YEAR MOVING AVERAGES

88-90	1,425,943		0	56,233	4	56,233	4
89-91	1,424,981		0	56,199	4	56,199	4
90-92	1,436,616	319	0	54,706	4	54,387	4
91-93	23,885	447	2	12,544	53	12,098	51
92-94	30,483	461	2	12,657	42	12,196	40
93-95	29,474	165	1	14,814	50	14,649	50
94-96	42,528	77	0	4,779	11	4,702	11
95-97	115,753	137	0	5,872	5	5,736	5



KENTUCKY UTILITIES COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
96-98	120,028	238	0	356-	0	593-	0
97-99	140,518	342	0	1,121-	1-	1,462-	1-
98-00	59,210	269	0	2,326-	4-	2,595-	4-
99-01	45,832	144	0	1,745	4	1,601	3
00-02	10,294-		0	7,800	76-	7,800	76-
01-03	10,452-		0	7,800	75-	7,800	75-
02-04	43,341	3,437	8	7,800	18	4,363	10
03-05	62,188	3,437	6		0	3,437-	6-
04-06	103,059	4,705	5	189	0	4,516-	4-
05-07	106,222	1,514	1	189	0	1,325-	1-
06-08	111,356	1,514	1	189	0	1,325-	1-
07-09	83,603	630	1		0	630-	1-
08-10	25,196	1,585	6		0	1,585-	6-
09-11	142,049	4,417	3		0	4,417-	3-
10-12	178,706	6,430	4		0	6,430-	4-
11-13	175,309	6,593	4		0	6,593-	4-
12-14	117,157	3,762	3		0	3,762-	3-
13-15	94,509	88,607	94		0	88,607-	94-
14-16	247,872	90,694	37		0	90,694-	37-
15-17	309,317	98,287	32	9,187	3	89,100-	29-
FIVE-YEAR AVERAGE							
13-17	226,019	59,790	26	5,512	2	54,278-	24-



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**PART IX. DETAILED DEPRECIATION  
CALCULATIONS**

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	34,837,229.35	14,383,181	17,854,686	21,511,383	45.30	474,865
1997	449,904.13	152,019	188,710	319,682	45.97	6,954
2002	24,848.68	6,832	8,481	19,598	46.37	423
2003	61,493.38	16,069	19,947	49,540	46.44	1,067
2008	53,301.70	9,900	12,289	47,941	46.77	1,025
2011	58,056,256.74	7,772,711	9,648,722	55,954,848	46.95	1,191,797
2012	377,820.80	43,560	54,074	372,864	47.00	7,933
2013	79,448.45	7,645	9,490	80,287	47.05	1,706
2014	158,517.38	12,057	14,967	164,158	47.11	3,485
2015	163,213.72	9,037	11,218	173,213	47.16	3,673
2016	855,810.63	29,205	36,254	930,812	47.20	19,721
2017	1,189,423.20	13,790	17,118	1,326,930	47.25	28,083
	96,307,268.16	22,456,006	27,875,957	80,951,256		1,740,732
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	5,493,644.11	2,268,150	3,219,207	2,988,611	45.30	65,974
2012	62,807.35	7,241	10,277	60,695	47.00	1,291
	5,556,451.46	2,275,391	3,229,484	3,049,306		67,265
SYSTEM LABORATORY						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2040						
NET SALVAGE PERCENT.. 0						
1989	724,776.82	403,382	589,890	134,887	21.99	6,134
1990	58,100.00	31,838	46,559	11,541	22.00	525
1994	6,176.00	3,143	4,596	1,580	22.07	72
1997	16,663.00	7,916	11,576	5,087	22.11	230
2011	19,253.00	4,298	6,285	12,968	22.27	582
2012	255,306.75	49,956	73,054	182,253	22.28	8,180

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SYSTEM LABORATORY						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2040						
NET SALVAGE PERCENT.. 0						
2014	8,935.37	1,197	1,750	7,185	22.30	322
2015	13,745.45	1,371	2,005	11,741	22.30	527
2017	14,162.74	304	445	13,718	22.32	615
	1,117,119.13	503,405	736,160	380,959		17,187
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1956	2,426,213.14	2,522,150	2,571,786			
1958	382.11	397	405			
1965	283.00	293	300			
1979	14,516.00	14,925	15,387			
1982	91,160.00	93,496	96,630			
1983	1,965.00	2,014	2,083			
1984	5,212.00	5,335	5,525			
1985	1,049.00	1,091	1,960			
1987	43,137.68	44,014	45,726			
1988	45,243.11	46,105	47,958			
1989	64,194.00	65,331	68,046			
1990	658.09	669	698			
1991	23,174.40	23,515	24,565			
1994	666,989.00	673,178	707,008			
1995	352,899.61	355,426	374,074			
1996	94,854.89	95,316	100,546			
1997	72,522.04	72,690	76,873			
1998	11,065.00	11,060	11,729			
2004	108,817.17	106,102	115,346			
2005	71,616.67	69,387	75,914			
2006	35,830.85	34,460	37,981			
2007	85,296.44	81,319	90,414			
2008	436,431.15	411,697	462,617			
2014	8,914.20	7,077	8,993	456	1.17	390
2015	13,918.24	10,037	12,754	1,999	1.17	1,709
	4,677,142.79	4,747,884	4,955,316	2,455		2,099

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>BROWN UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1963	1,268,530.68	1,315,679	1,344,643			
1965	11,653.00	12,077	12,352			
1966	10,986.00	11,381	11,645			
1967	2,142.72	2,219	2,271			
1979	24,545.95	25,237	26,019			
1980	400.00	411	424			
1983	1,964.15	2,013	2,082			
1992	96,409.90	97,665	102,194			
1997	19,477.46	19,523	20,646			
2004	43,200.52	42,123	45,793			
2005	5,793.58	5,613	6,141			
2007	565,018.59	538,668	598,920			
2009	21,690.24	20,201	22,992			
2012	133,555.40	116,661	141,569			
2015	91,828.24	66,222	84,186	13,152	1.17	11,241
2016	12,530.96	7,440	9,458	3,825	1.17	3,269
	2,309,727.39	2,283,133	2,431,335	16,976		14,510
<b>BROWN UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1967	1,440.97	1,129	1,300	227	16.88	13
1968	93.83	73	84	15	16.90	1
1971	7,455,327.76	5,715,511	6,583,108	1,319,539	16.96	77,803
1972	56,652.66	43,172	49,725	10,326	16.98	608
1973	11,995.55	9,086	10,465	2,250	16.99	132
1974	2,999.00	2,257	2,600	579	17.01	34
1975	15,098.31	11,286	12,999	3,005	17.03	176
1977	1,211,596.00	892,827	1,028,355	255,936	17.06	15,002
1979	8,850.03	6,421	7,396	1,985	17.09	116
1980	275,262.00	198,097	228,168	63,610	17.10	3,720
1983	3,928.40	2,751	3,169	996	17.14	58
1984	146,459.90	101,557	116,973	38,274	17.15	2,232
1985	37,553.55	25,772	29,684	10,123	17.16	590
1986	44,536.07	30,229	34,818	12,391	17.17	722
1987	251,180.26	168,476	194,050	72,201	17.19	4,200
1988	56,900.74	37,703	43,426	16,889	17.20	982

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>BROWN UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1989	477,066.00	312,031	359,396	146,294	17.21	8,501
1990	19,516.88	12,591	14,502	6,186	17.22	359
1991	68,381.00	43,480	50,080	22,404	17.23	1,300
1992	756,531.00	473,688	545,592	256,330	17.24	14,868
1993	84,689.00	52,157	60,074	29,696	17.25	1,722
1995	22,964.00	13,643	15,714	8,628	17.26	500
1997	196,910.73	112,184	129,213	79,512	17.28	4,601
1998	127,955.64	71,207	82,016	53,617	17.29	3,101
2001	83,885.45	43,000	49,527	39,391	17.31	2,276
2003	193,441.22	92,561	106,611	98,436	17.33	5,680
2004	122,280.23	56,258	64,798	64,819	17.33	3,740
2005	95,151.19	41,875	48,231	52,629	17.34	3,035
2007	8,016,945.98	3,175,264	3,657,259	4,840,703	17.35	279,003
2009	200,931.69	69,398	79,932	133,055	17.36	7,664
2010	423,902.15	134,239	154,616	294,720	17.37	16,967
2011	43,327.16	12,394	14,275	31,651	17.37	1,822
2012	602,913.83	152,135	175,229	463,860	17.38	26,689
2013	504,143.53	108,936	125,472	408,920	17.38	23,528
2014	966,396.11	169,996	195,801	828,579	17.39	47,647
2015	57,124.43	7,531	8,674	51,878	17.39	2,983
2016	3,484,095.76	291,463	335,706	3,357,435	17.39	193,057
2017	2,625,976.32	76,241	87,814	2,695,721	17.40	154,926
	28,754,404.33	12,768,619	14,706,856	15,772,813		910,368
<b>BROWN UNITS 1, 2 AND 3 SCRUBBER</b>						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
2013	45,235,689.37	9,774,573	12,240,569	35,709,262	17.38	2,054,618
2015	146,854.51	19,360	24,244	131,422	17.39	7,557
	45,382,543.88	9,793,933	12,264,813	35,840,684		2,062,175

KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1997	8,362,584.36	4,984,716	7,487,753	1,543,838	16.31	94,656
2007	34,607.76	14,486	21,760	15,616	16.37	954
	8,397,192.12	4,999,202	7,509,513	1,559,454		95,610
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1974	14,424,151.94	11,243,950	14,576,346	1,001,738	16.07	62,336
1979	287,003.73	216,033	280,059	29,905	16.14	1,853
1980	27,171.00	20,290	26,303	3,041	16.15	188
1981	10,791.00	7,992	10,361	1,294	16.16	80
1985	107,260.53	76,532	99,214	16,627	16.20	1,026
1987	218,325.45	152,432	197,609	38,183	16.22	2,354
1988	97,360.62	67,175	87,084	18,066	16.23	1,113
1992	29,300.00	19,139	24,811	6,833	16.27	420
1994	74,968.00	47,379	61,421	19,545	16.29	1,200
1995	60,912.73	37,820	49,029	16,757	16.29	1,029
1996	351,738.57	214,137	277,601	102,276	16.30	6,275
1997	33,704.37	20,090	26,044	10,357	16.31	635
2003	143,388.86	72,171	93,560	61,299	16.35	3,749
2005	240,490.70	111,520	144,571	115,159	16.36	7,039
2007	240,638.23	100,728	130,581	129,308	16.37	7,899
2009	333,988.93	122,179	158,389	202,319	16.38	12,352
2010	643,507.32	216,475	280,632	414,356	16.38	25,296
2011	511,676.99	155,538	201,635	350,976	16.39	21,414
2013	237,388.65	54,719	70,936	185,444	16.40	11,308
2015	1,094,293.61	155,246	201,257	980,580	16.40	59,791
2016	1,515,148.86	135,376	175,498	1,460,863	16.41	89,023
2017	662,038.58	21,143	27,409	687,592	16.41	41,901
	21,345,248.67	13,268,064	17,200,351	5,852,518		358,281



KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1977	14,678,326.49	11,215,075	13,481,827	2,370,765	16.11	147,161
1979	227,477.00	171,226	205,834	39,842	16.14	2,469
1980	88,059.38	65,759	79,050	16,054	16.15	994
1981	10,786.00	7,989	9,604	2,045	16.16	127
1986	385,657.47	272,277	327,309	89,201	16.21	5,503
1988	13,292.75	9,171	11,025	3,332	16.23	205
1989	11,294.78	7,696	9,251	2,947	16.24	181
1991	1,929.73	1,280	1,539	545	16.26	34
1995	27,739.56	17,223	20,704	9,255	16.29	568
1998	67,159.90	39,131	47,040	25,493	16.32	1,562
2003	223,834.88	112,661	135,432	106,310	16.35	6,502
2013	194,635.03	44,864	53,932	156,274	16.40	9,529
2015	130,289.29	18,484	22,220	118,493	16.40	7,225
2016	351,144.86	31,374	37,715	341,521	16.41	20,812
2017	241,422.48	7,710	9,268	251,468	16.41	15,324
	16,653,049.60	12,021,920	14,451,749	3,533,545		218,196
GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1981	34,380,542.39	24,098,010	27,869,728	9,261,258	19.01	487,178
1982	1,235,435.00	857,535	991,753	342,517	19.03	17,999
1983	511.16	351	406	146	19.04	8
1987	2,248,542.00	1,475,414	1,706,340	722,086	19.10	37,806
1995	9,779.16	5,536	6,518	4,043	19.20	211
1996	195,780.51	110,454	127,742	83,701	19.21	4,357
2001	263,336.76	129,845	150,168	134,236	19.26	6,970
2002	234,131.24	111,545	129,004	123,858	19.27	6,428
2004	2,640,221.52	1,161,591	1,343,398	1,508,041	19.29	78,177
2005	105,410.84	44,326	51,264	62,580	19.29	3,244
2010	643,443.60	192,381	222,492	472,427	19.33	24,440
2011	109,662.90	29,482	34,096	84,340	19.34	4,361
2014	8,999,804.63	1,474,395	1,705,161	8,014,628	19.35	414,193
2016	64,860.31	5,006	5,790	64,260	19.36	3,319
2017	325,594.72	8,675	10,033	341,610	19.37	17,636
	51,457,056.74	29,704,646	34,353,891	21,219,730		1,106,327

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1984	15,364,534.75	10,252,914	9,452,560	7,141,138	20.00	357,057
1985	928,979.83	612,744	564,912	438,386	20.02	21,897
1986	734,905.00	478,798	441,422	352,275	20.04	17,579
1987	15,869.00	10,209	9,412	7,726	20.05	385
1988	8,118.00	5,152	4,750	4,018	20.07	200
1989	20,054.00	12,549	11,569	10,089	20.08	502
1990	23,192.76	14,292	13,176	11,872	20.10	591
1991	16,217.00	9,837	9,069	8,445	20.11	420
1992	24,302.00	14,490	13,359	12,887	20.13	640
1993	42,417.00	24,842	22,903	22,908	20.14	1,137
1994	11,881.56	6,827	6,294	6,538	20.15	324
1996	70,941.70	39,062	36,013	40,604	20.18	2,012
1997	1,942,669.00	1,044,866	963,303	1,134,780	20.19	56,205
2001	618,493.64	296,734	273,571	394,403	20.23	19,496
2002	186,501.00	86,387	79,644	121,778	20.24	6,017
2003	86,074.14	38,365	35,370	57,590	20.25	2,844
2004	276,923.25	118,309	109,074	190,003	20.26	9,378
2005	181,861.63	74,100	68,316	128,095	20.27	6,319
2007	7,212,117.43	2,627,726	2,422,603	5,366,484	20.29	264,489
2010	581,597.75	167,578	154,497	473,629	20.31	23,320
2011	437,903.41	113,415	104,562	368,374	20.32	18,129
2012	265,809.06	60,535	55,810	231,264	20.32	11,381
2013	1,076,247.83	208,351	192,087	970,261	20.33	47,726
2014	10,160,659.69	1,591,379	1,467,154	9,506,358	20.34	467,373
2015	462,088.77	54,043	49,824	449,232	20.34	22,086
2016	903,040.74	66,124	60,962	914,322	20.35	44,930
2017	1,617,760.77	41,897	38,626	1,708,555	20.35	83,958
	43,271,160.71	18,071,525	16,660,841	30,072,013		1,486,395

GHENT UNIT 2 SCRUBBER  
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5  
PROBABLE RETIREMENT YEAR.. 6-2034  
NET SALVAGE PERCENT.. -8

1994	15,816,339.70	9,995,838	14,084,948	2,996,699	16.29	183,959
	15,816,339.70	9,995,838	14,084,948	2,996,699		183,959

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2017	36,901.04	956		39,853	20.35	1,958
	36,901.04	956		39,853		1,958
	341,081,605.72	142,890,522	170,461,214	201,288,261		8,265,062
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 24.4 2.42						

KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TYRONE UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1947	559,688.83	615,658	615,658			
1948	291,289.73	320,419	320,419			
1949	3,757.35	4,133	4,133			
1951	449.85	495	495			
1953	284,320.41	312,752	312,752			
1954	19,256.64	21,182	21,182			
1955	1,152.61	1,268	1,268			
1966	18.41	20	20			
1970	15,244.21	16,769	16,769			
1973	0.48	1	1			
1978	45,723.00	50,295	50,295			
1987	1.57	2	2			
1989	18,427.65	20,270	20,270			
1994	23,811.21	26,192	26,192			
1995	7,264.00	7,990	7,990			
1996	21.00	23	23			
1998	6,158.71	6,775	6,775			
1999	1,781.97	1,960	1,960			
2000	10,208.60	11,229	11,229			
2003	10,426.12	11,469	11,469			
2004	2,086.10	2,295	2,295			
2007	135,867.17	149,454	149,454			
2009	157,801.67	173,582	173,582			
2011	10,306.64	11,337	11,337			
2013	6,150.84	6,766	6,766			
2015	209,964.73	230,961	230,961			
	1,821,179.50	2,003,297	2,003,297			

TYRONE UNITS 1 AND 2  
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5  
PROBABLE RETIREMENT YEAR.. 12-2015  
NET SALVAGE PERCENT.. -10

1947	464,339.65	510,774	510,774
1973	32,257.44	35,483	35,483
1974	3,680.00	4,048	4,048
2000	36,257.09	39,883	39,883

KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TYRONE UNITS 1 AND 2						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2001	78,101.58	85,912	85,912			
2003	11,541.15	12,695	12,695			
2004	4,683.12	5,151	5,151			
	630,860.03	693,946	693,946			
GREEN RIVER UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1954	1,550,242.02	1,705,266	1,705,266			
1955	34,484.51	37,933	37,933			
1977	454,212.76	499,634	499,634			
1978	2,303.00	2,533	2,533			
1982	372,934.13	410,228	410,228			
1985	19,443.60	21,388	21,388			
1996	107,389.55	118,129	118,129			
1997	26,427.69	29,070	29,070			
2007	40,561.24	44,617	44,617			
2011	107,003.10	117,703	117,703			
2012	10,061.86	11,068	11,068			
2013	31,239.04	34,363	34,363			
	2,756,302.50	3,031,932	3,031,933			
GREEN RIVER UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1954	1,164.00	1,280	1,280			
1959	2,161,579.97	2,377,738	2,377,738			
1960	9,468.10	10,415	10,415			
1965	0.10		0			
1966	2,606.00	2,867	2,867			
1971	881.40	970	970			
1972	65.10	72	72			
1974	36.19	40	40			
1975	1,648.52	1,813	1,813			

KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GREEN RIVER UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1980	42,214.04	46,435	46,435			
1981	66.60	73	73			
1982	1,306.83	1,438	1,438			
1984	7,645.65	8,410	8,410			
1985	24,235.92	26,660	26,660			
1986	79,771.36	87,748	87,748			
1987	8,740.03	9,614	9,614			
1988	18,125.00	19,938	19,938			
1989	156.90	173	173			
1990	0.35		0			
1991	152,430.19	167,673	167,673			
1992	2,336.56	2,570	2,570			
1993	4,681.88	5,150	5,150			
1994	0.20		0			
1995	35,470.17	39,017	39,017			
1996	148,489.00	163,338	163,338			
1997	103,109.11	113,420	113,420			
1999	13,769.35	15,146	15,146			
2000	125,696.00	138,266	138,266			
2001	42,304.92	46,535	46,535			
2003	61,159.54	67,275	67,275			
2004	23,213.76	25,535	25,535			
2005	230,880.63	253,969	253,969			
2006	23,820.27	26,202	26,202			
2007	126,896.02	139,586	139,586			
2009	247,241.98	271,966	271,966			
2010	93,859.03	103,245	103,245			
2011	463,969.76	510,367	510,367			
2012	520,231.89	572,255	572,255			
2013	809,993.40	890,993	890,993			
2016	42,182.68	46,401	46,401			
	5,631,448.40	6,194,593	6,194,593			

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GREEN RIVER UNITS 1 AND 2						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1941	632.00	695	695			
1950	1,022,178.80	1,124,397	1,124,397			
1951	43,895.11	48,285	48,285			
1954	12,435.28	13,679	13,679			
1960	11,239.00	12,363	12,363			
1961	219.00	241	241			
1965	6,953.70	7,649	7,649			
1970	0.08		0			
1973	5,098.15	5,608	5,608			
1974	32,248.63	35,473	35,473			
1975	427,498.02	470,248	470,248			
1977	91,811.76	100,993	100,993			
1978	34,073.00	37,480	37,480			
1997	68,189.00	75,008	75,008			
	1,756,471.53	1,932,119	1,932,119			
PINEVILLE UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1951	5,844.00	6,428	6,428			
1963	7,129.00	7,842	7,842			
1970	1,082.00	1,190	1,190			
1975	8,772.00	9,649	9,649			
1976	20.00	22	22			
1978	2,577.11	2,835	2,835			
1979	8,108.00	8,919	8,919			
1988	1,821.00	2,003	2,003			
1995	31,090.00	34,199	34,199			
1997	6,678.00	7,346	7,346			
2000	10,484.00	11,532	11,532			

KENTUCKY UTILITIES COMPANY  
ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PINEVILLE UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 105-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2002	51,958.50	57,154	57,154			
2011	9,638.92	10,603	10,603			
2013	37,239.96	40,964	40,964			
	182,442.49	200,686	200,687			
	12,778,704.45	14,056,573	14,056,575			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00						



KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	30,411,667.13	12,652,230	17,857,673	16,507,510	38.51	428,655
1999	46,214.59	14,440	20,381	31,842	40.74	782
2002	235,262.87	64,194	90,605	175,242	41.37	4,236
2003	251,881.90	65,234	92,073	192,554	41.57	4,632
2004	103,726.28	25,377	35,818	81,393	41.76	1,949
2008	11,126.98	2,041	2,881	9,693	42.47	228
2011	479,985,991.31	63,350,471	89,414,437	452,969,733	42.95	10,546,443
2012	4,494,781.01	510,856	721,035	4,358,068	43.10	101,115
2013	836,833.81	79,319	111,953	833,669	43.25	19,276
2014	10,993,731.73	825,876	1,165,662	11,257,255	43.39	259,444
2015	5,565,936.43	303,909	428,945	5,860,563	43.53	134,633
2016	8,836,470.17	295,163	416,600	9,568,611	43.67	219,112
2017	12,492,828.31	140,463	198,253	13,918,643	43.80	317,777
	554,266,452.52	78,329,573	110,556,316	515,764,775		12,038,282
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	11,005,849.25	4,578,787	7,757,291	4,679,319	38.51	121,509
2003	51,829.65	13,423	22,741	35,827	41.57	862
2005	14,655.98	3,374	5,716	10,845	41.94	259
2007	131,148.15	26,142	44,289	103,908	42.30	2,456
2011	60,043,715.62	7,924,810	13,426,057	54,423,341	42.95	1,267,133
2012	1,218,956.00	138,541	234,713	1,142,707	43.10	26,513
2013	131,025.54	12,419	21,040	127,019	43.25	2,937
2014	338,774.33	25,450	43,117	339,698	43.39	7,829
2016	17,436.11	582	986	18,717	43.67	429
	72,953,390.63	12,723,528	21,555,951	60,881,380		1,429,927
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1950	38,574.00	40,067	40,888			
1956	3,863,943.49	4,008,089	4,095,780			

KENTUCKY UTILITIES COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1957	198,794.49	206,118	210,722			
1959	13,000.91	13,472	13,781			
1965	11,524.63	11,919	12,216			
1966	34.45	36	37			
1968	1,948.40	2,013	2,065			
1973	1,590,535.65	1,639,010	1,685,947			
1974	18,694.00	19,253	19,816			
1975	441,330.00	454,271	467,810			
1977	7,170.50	7,372	7,601			
1978	1,881.00	1,932	1,994			
1983	80,244.00	82,109	85,059			
1984	4,372.00	4,469	4,634			
1985	27,185.00	27,763	28,816			
1987	70,883.58	72,230	75,137			
1988	311,788.04	317,325	330,495			
1989	12,314.44	12,517	13,053			
1990	16,976.00	17,231	17,995			
1991	11,405,119.81	11,558,822	12,089,427			
1992	299,803.87	303,352	317,792			
1994	809,175.97	815,767	857,727			
1995	5,085.27	5,116	5,390			
1996	551,595.25	553,691	584,691			
1997	269,896.00	270,249	286,090			
1999	6,580.00	6,551	6,975			
2001	1,316,699.00	1,301,631	1,395,701			
2002	13,656.00	13,443	14,475			
2003	217,931.20	213,504	231,007			
2004	1,794,079.90	1,748,103	1,901,725			
2005	556,841.17	539,154	590,252			
2006	40,236.58	38,674	42,651			
2007	421,857.31	401,982	447,169			
2008	2,917,291.73	2,751,029	3,092,329			
2009	1,903,167.53	1,772,067	1,996,820	20,538	1.16	17,705
2010	2,427,890.91	2,224,821	2,506,997	66,567	1.16	57,385
2011	180,640.37	162,215	182,789	8,690	1.16	7,491
2012	3,112,190.42	2,719,994	3,064,974	233,948	1.16	201,679
2013	518,642.40	436,285	491,619	58,141	1.16	50,122
2014	64,953.85	51,638	58,187	10,664	1.16	9,193

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>BROWN UNIT 1</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
2015	1,920,395.92	1,388,679	1,564,807	470,813	1.16	405,873
2016	629,503.50	376,282	424,006	243,267	1.16	209,713
2017	462,166.89	147,557	166,272	323,625	1.16	278,987
	38,556,575.43	36,737,802	39,433,716	1,436,254		1,238,148
<b>BROWN UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1963	4,969,891.71	5,143,600	5,268,085			
1964	83,935.36	86,839	88,971			
1965	2,736.70	2,830	2,901			
1966	425.52	440	451			
1975	2,622,355.35	2,699,252	2,779,697			
1976	19,653.62	20,218	20,833			
1977	1,845.00	1,897	1,956			
1978	16,079.65	16,519	17,044			
1980	82,061.00	84,181	86,985			
1985	3,930.00	4,013	4,166			
1988	117,057.24	119,136	124,081			
1989	38,963.27	39,603	41,301			
1990	28,392.45	28,819	30,096			
1991	382,847.00	388,006	405,818			
1992	195,307.00	197,618	207,025			
1993	2,164,127.18	2,185,883	2,293,975			
1994	3,820,792.27	3,851,912	4,050,040			
1995	314,560.32	316,469	333,434			
1998	388.00	379	403			
1999	1,985,695.00	1,976,947	2,104,837			
2002	30,185.00	29,713	31,996			
2003	419,887.86	411,357	445,081			
2004	3,336,963.09	3,251,447	3,537,181			
2005	115,467.62	111,800	122,396			
2007	319,765.64	304,701	338,952			
2008	38,247.48	36,068	40,542			
2009	5,684,731.37	5,293,136	6,025,815			
2010	1,991,547.56	1,824,973	2,111,040			
2011	636,571.01	571,641	674,765			

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
2012	6,650,986.04	5,812,833	6,880,984	169,061	1.16	145,742
2013	595,614.98	501,035	593,104	38,248	1.16	32,972
2014	1,500,354.55	1,192,782	1,411,965	178,411	1.16	153,803
2015	2,829,271.46	2,045,907	2,421,858	577,170	1.16	497,560
2016	838,753.03	501,360	593,489	295,590	1.16	254,819
2017	365,423.23	116,669	138,108	249,241	1.16	214,863
	42,204,805.56	39,169,983	43,229,373	1,507,721		1,299,759
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1971	23,523,835.90	17,761,889	13,144,470	11,790,796	15.69	751,485
1972	227,473.81	170,702	126,326	114,796	15.75	7,289
1973	121,887.17	90,877	67,252	61,948	15.81	3,918
1974	23,028.00	17,059	12,624	11,785	15.86	743
1975	413.00	304	225	213	15.91	13
1976	8,312,827.29	6,073,393	4,494,541	4,317,056	15.96	270,492
1977	300,180.00	217,713	161,116	157,075	16.01	9,811
1980	328,422.00	232,514	172,069	176,058	16.15	10,901
1981	831.05	583	431	449	16.19	28
1982	1,751,913.00	1,218,619	901,824	955,204	16.23	58,854
1983	208,501.00	143,648	106,305	114,706	16.27	7,050
1984	583,948.05	398,267	294,733	324,252	16.31	19,881
1985	178,836.30	120,691	89,316	100,251	16.35	6,132
1986	6,308.00	4,211	3,116	3,570	16.38	218
1987	1,331,048.28	878,095	649,824	761,098	16.42	46,351
1988	825,544.36	538,032	398,164	476,913	16.45	28,992
1990	631,688.53	400,877	296,664	372,926	16.51	22,588
1991	23,220.54	14,524	10,748	13,865	16.54	838
1992	11,745,103.85	7,233,838	5,353,314	7,096,496	16.57	428,274
1993	2,346,857.63	1,421,703	1,052,114	1,435,555	16.60	86,479
1994	3,067,380.50	1,826,357	1,351,573	1,899,850	16.62	114,311
1995	750,300.20	438,387	324,423	470,895	16.65	28,282
1997	4,676,406.78	2,620,513	1,939,279	3,017,712	16.70	180,701
1998	68,370.00	37,441	27,708	44,764	16.72	2,677
1999	401,832.00	214,611	158,820	267,122	16.74	15,957
2000	127,001.94	66,001	48,843	85,779	16.76	5,118

KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

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RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
2001	251,033.71	126,648	93,724	172,371	16.78	10,272
2002	74,954.25	36,601	27,086	52,365	16.80	3,117
2003	391,655.38	184,545	136,570	278,584	16.82	16,563
2004	86,283.64	39,073	28,915	62,545	16.84	3,714
2005	3,194,942.75	1,384,594	1,024,652	2,361,987	16.86	140,094
2006	3,039,853.38	1,253,679	927,770	2,294,475	16.88	135,929
2007	8,078,544.98	3,152,392	2,332,889	6,230,368	16.89	368,879
2008	1,093,013.42	400,097	296,087	862,507	16.91	51,006
2009	245,739.33	83,589	61,859	198,625	16.93	11,732
2010	1,198,155.42	374,346	277,030	993,015	16.94	58,620
2011	3,445,815.41	970,852	718,467	2,934,097	16.96	173,001
2012	126,893,443.63	31,595,706	23,382,018	111,125,032	16.97	6,548,322
2013	27,923,468.83	5,944,934	4,399,476	25,199,401	16.99	1,483,190
2014	2,079,275.62	361,020	267,168	1,936,864	17.00	113,933
2015	90,311,570.30	11,744,189	8,691,144	87,039,120	17.02	5,113,932
2016	99,107,043.92	8,137,442	6,022,015	99,031,452	17.03	5,815,118
2017	13,673,311.61	397,128	293,890	14,199,821	17.04	833,323
	442,651,264.76	108,327,684	80,166,586	389,043,755		22,988,128
BROWN UNITS 1, 2 AND 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1994	5,159,404.89	3,071,975	3,029,123	2,439,846	16.62	146,802
2010	31,326,108.76	9,787,373	9,650,845	23,554,831	16.94	1,390,486
2012	254,234.17	63,303	62,420	207,068	16.97	12,202
2013	295,455,751.48	62,902,825	62,025,367	251,157,730	16.99	14,782,680
2014	763,791.58	132,616	130,766	678,853	17.00	39,933
2015	578,635.26	75,246	74,196	539,157	17.02	31,678
2016	1,607,398.04	131,980	130,139	1,573,703	17.03	92,408
2017	33,243.04	966	953	34,285	17.04	2,012
	335,178,567.22	76,166,284	75,103,808	280,185,473		16,498,201

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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1994	6,386.32	3,973	5,241	1,656	15.73	105
1997	21,423,616.00	12,575,465	16,588,163	6,549,342	15.79	414,778
2010	12,043.79	3,992	5,266	7,741	16.01	484
2011	759,148.82	227,705	300,363	519,517	16.02	32,429
2012	115,917,937.08	30,738,238	40,546,486	84,644,886	16.04	5,277,113
2013	152,123.49	34,589	45,626	118,667	16.05	7,394
2014	67,811.53	12,608	16,631	56,605	16.06	3,525
2015	452,417.04	63,260	83,446	405,165	16.07	25,213
2016	214,603.28	18,917	24,953	206,818	16.09	12,854
2017	570,048.23	17,823	23,510	592,142	16.10	36,779
	139,576,135.58	43,696,570	57,639,685	93,102,541		5,810,674
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1958	50,033.00	41,562	39,426	14,609	14.07	1,038
1974	48,328,296.23	37,094,152	35,187,978	17,006,582	15.05	1,130,005
1979	153,844.00	113,980	108,123	58,029	15.27	3,800
1980	485,218.64	356,612	338,287	185,750	15.31	12,133
1981	6,294.00	4,587	4,351	2,446	15.35	159
1982	40,874.00	29,537	28,019	16,125	15.38	1,048
1983	0.16		0			
1984	705.60	500	474	288	15.45	19
1985	3,913.34	2,748	2,607	1,620	15.48	105
1986	20,989.71	14,577	13,828	8,841	15.52	570
1987	190,485.08	130,824	124,101	81,623	15.55	5,249
1989	84,769.00	56,835	53,914	37,636	15.60	2,413
1990	63,912.00	42,287	40,114	28,911	15.63	1,850
1991	310,440.00	202,523	192,116	143,159	15.66	9,142
1992	354,903.01	228,156	216,432	166,864	15.68	10,642
1993	90,815.89	57,447	54,495	43,586	15.71	2,774
1994	379,207.79	235,902	223,780	185,765	15.73	11,810
1995	8,458,382.43	5,168,248	4,902,665	4,232,388	15.75	268,723
1996	787,729.69	472,080	447,821	402,927	15.77	25,550
1998	134,109.00	76,970	73,015	71,823	15.81	4,543
1999	149,045.50	83,471	79,182	81,788	15.83	5,167
2000	37,620.04	20,518	19,464	21,166	15.85	1,335

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GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
2001	4,242,188.53	2,247,394	2,131,906	2,449,657	15.87	154,358
2002	3,272,250.00	1,679,477	1,593,173	1,940,857	15.89	122,143
2003	1,517,122.97	752,363	713,701	924,792	15.90	58,163
2004	53,691,449.22	25,618,553	24,302,081	33,684,684	15.92	2,115,872
2005	6,533,312.05	2,985,313	2,831,905	4,224,072	15.94	264,998
2006	2,377,396.83	1,035,483	982,272	1,585,316	15.95	99,393
2007	1,359,443.47	560,456	531,656	936,543	15.97	58,644
2008	993,616.17	385,256	365,459	707,647	15.98	44,283
2009	3,419,068.72	1,232,920	1,169,563	2,523,031	16.00	157,689
2010	4,060,588.58	1,346,022	1,276,853	3,108,582	16.01	194,165
2011	4,926,814.09	1,477,790	1,401,850	3,919,109	16.02	244,639
2012	28,796,494.21	7,636,035	7,243,639	23,856,575	16.04	1,487,318
2013	1,552,115.87	352,908	334,773	1,341,512	16.05	83,583
2014	2,380,884.08	442,684	419,936	2,151,419	16.06	133,961
2015	166,530,486.47	23,285,558	22,088,972	157,763,953	16.07	9,817,296
2016	5,112,103.09	450,630	427,473	5,093,598	16.09	316,569
2017	5,034,197.76	157,399	149,311	5,287,623	16.10	328,424
	355,931,120.22	116,079,757	110,114,714	274,290,896		17,179,573
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1977	58,175,364.71	43,749,364	36,857,216	25,972,178	15.19	1,709,821
1978	378,364.00	282,472	237,972	170,661	15.23	11,206
1979	171,073.08	126,745	106,778	77,981	15.27	5,107
1980	41,332.94	30,378	25,592	19,047	15.31	1,244
1981	6,265.64	4,567	3,848	2,919	15.35	190
1982	74,950.00	54,161	45,629	35,317	15.38	2,296
1986	622,685.40	432,451	364,324	308,176	15.52	19,857
1987	303,212.93	208,245	175,439	152,031	15.55	9,777
1988	440,286.00	298,824	251,748	223,761	15.58	14,362
1989	22,395.85	15,016	12,650	11,537	15.60	740
1990	3,078.00	2,037	1,716	1,608	15.63	103
1991	159,055.00	103,763	87,416	84,363	15.66	5,387
1994	554,181.74	344,751	290,440	308,076	15.73	19,585
1995	192,226.00	117,454	98,951	108,653	15.75	6,899
1996	1,317,733.68	789,707	665,299	757,854	15.77	48,057

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GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1997	1,696,598.00	995,887	838,998	993,328	15.79	62,909
1998	31,096.00	17,847	15,035	18,548	15.81	1,173
1999	1,037,479.70	581,024	489,491	630,987	15.83	39,860
2000	18,464.61	10,071	8,484	11,457	15.85	723
2001	406,215.00	215,201	181,299	257,413	15.87	16,220
2002	5,138,574.32	2,637,365	2,221,882	3,327,778	15.89	209,426
2003	281,262.34	139,482	117,508	186,255	15.90	11,714
2005	2,911,587.84	1,330,413	1,120,824	2,023,691	15.94	126,957
2006	388,451.69	169,191	142,537	276,991	15.95	17,366
2007	384,330.33	158,447	133,486	281,591	15.97	17,632
2008	179,568.29	69,624	58,656	135,278	15.98	8,465
2009	209,912.20	75,695	63,770	162,935	16.00	10,183
2010	5,115,447.96	1,695,691	1,428,557	4,096,127	16.01	255,848
2011	696,400.85	208,884	175,977	576,136	16.02	35,964
2012	30,284,534.59	8,030,623	6,765,502	25,941,795	16.04	1,617,319
2013	22,866,954.02	5,199,314	4,380,229	20,316,081	16.05	1,265,799
2014	1,722,539.16	320,277	269,821	1,590,521	16.06	99,036
2015	139,129,149.04	19,454,095	16,389,353	133,870,128	16.07	8,330,437
2016	1,134,039.40	99,965	84,217	1,140,546	16.09	70,885
2017	1,093,971.20	34,204	28,816	1,152,673	16.10	71,595
	277,188,781.51	88,003,235	74,139,461	225,224,423		14,124,142
GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1981	128,887,548.59	88,829,556	94,419,316	44,779,236	17.85	2,508,641
1982	4,323,370.79	2,950,540	3,136,208	1,533,032	17.90	85,644
1983	175,918.00	118,824	126,301	63,690	17.95	3,548
1984	9,724,031.69	6,497,769	6,906,653	3,595,301	18.00	199,739
1985	13,041.58	8,618	9,160	4,925	18.04	273
1986	5,003.81	3,267	3,473	1,932	18.09	107
1987	773,529.19	498,833	530,223	305,189	18.13	16,833
1989	51,742.00	32,478	34,522	21,360	18.21	1,173
1990	148,350.00	91,757	97,531	62,687	18.25	3,435
1994	124,286.66	71,816	76,335	57,894	18.39	3,148
1995	694,601.50	393,284	418,032	332,138	18.43	18,022
1996	328,272.00	181,943	193,392	161,142	18.46	8,729



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GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1997	1,620,817.00	878,077	933,332	817,151	18.49	44,194
1998	206,918.25	109,365	116,247	107,225	18.52	5,790
1999	5,607,517.20	2,887,012	3,068,682	2,987,436	18.54	161,135
2000	72,921.99	36,475	38,770	39,985	18.57	2,153
2002	602,894.00	282,393	300,163	350,962	18.62	18,849
2003	855,281.04	385,692	409,962	513,741	18.65	27,546
2004	70,682,706.81	30,583,785	32,508,325	43,828,998	18.67	2,347,563
2005	3,708,105.24	1,532,860	1,629,318	2,375,436	18.69	127,097
2006	1,083,127.40	425,343	452,108	717,669	18.71	38,358
2007	170,859.09	63,278	67,260	117,268	18.74	6,258
2008	7,849.41	2,721	2,892	5,585	18.76	298
2009	5,797,862.51	1,862,352	1,979,544	4,282,148	18.78	228,016
2010	3,722,211.44	1,094,080	1,162,927	2,857,061	18.80	151,971
2011	2,923,273.40	773,782	822,474	2,334,662	18.82	124,052
2012	5,638,318.74	1,315,733	1,398,528	4,690,856	18.83	249,116
2013	5,171,161.32	1,027,501	1,092,158	4,492,696	18.85	238,339
2014	170,490,781.71	27,477,727	29,206,813	154,923,232	18.87	8,210,028
2015	3,549,687.32	427,377	454,270	3,379,392	18.89	178,898
2016	2,668,331.09	201,294	213,961	2,667,837	18.91	141,081
2017	3,657,764.25	97,733	103,883	3,846,502	18.92	203,303
	433,488,085.02	171,143,265	181,912,764	286,254,368		15,353,337
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1984	123,326,066.27	80,882,266	67,698,210	65,493,942	18.82	3,480,018
1986	209,125.43	133,871	112,050	113,806	18.93	6,012
1987	110,311.00	69,725	58,360	60,776	18.97	3,204
1989	864,078.80	530,938	444,393	488,812	19.07	25,633
1990	160,162.29	96,951	81,148	91,828	19.11	4,805
1991	11,877.00	7,076	5,923	6,905	19.15	361
1992	91,017.00	53,310	44,620	53,678	19.19	2,797
1994	36,963.56	20,856	17,456	22,464	19.27	1,166
1995	1,910,485.07	1,056,442	884,239	1,179,085	19.30	61,092
1996	704,727.26	381,139	319,012	442,093	19.34	22,859
1998	7,924.00	4,083	3,417	5,140	19.40	265
1999	1,429,371.01	716,750	599,918	943,803	19.43	48,575

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GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2000	42,052.00	20,471	17,134	28,282	19.46	1,453
2001	373,444.57	176,065	147,366	255,954	19.49	13,133
2002	813,279.13	370,186	309,845	568,497	19.52	29,124
2003	2,723,839.24	1,192,613	998,213	1,943,533	19.55	99,413
2004	53,538,230.21	22,482,073	18,817,427	39,003,862	19.57	1,993,044
2005	4,262,301.29	1,706,852	1,428,630	3,174,655	19.60	161,972
2006	12,983.46	4,936	4,131	9,891	19.62	504
2007	728,088.85	260,773	218,266	568,070	19.65	28,909
2008	247,594.72	82,978	69,452	197,950	19.67	10,064
2009	8,610,056.79	2,672,214	2,236,635	7,062,226	19.69	358,671
2010	3,558,896.46	1,007,986	843,681	2,999,927	19.72	152,126
2011	6,272,978.31	1,597,299	1,336,934	5,437,882	19.74	275,475
2012	50,601,919.19	11,333,332	9,485,964	45,164,108	19.76	2,285,633
2013	11,920,334.08	2,272,512	1,902,086	10,971,875	19.78	554,695
2014	456,159,644.01	70,380,324	58,908,117	433,744,299	19.80	21,906,278
2015	1,868,343.42	214,695	179,699	1,838,112	19.82	92,740
2016	12,762,644.96	920,610	770,548	13,013,109	19.84	655,903
2017	7,837,630.42	195,702	163,802	8,300,839	19.86	417,968
	751,196,369.80	200,845,028	168,106,676	643,185,403		32,693,892
GHENT UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1994	55,574,813.33	34,572,580	57,134,124	2,886,674	15.73	183,514
2001	57,800.67	30,621	50,604	11,821	15.87	745
2002	373,088.95	191,487	316,449	86,488	15.89	5,443
2003	244,482.98	121,243	200,364	63,677	15.90	4,005
2004	463,143.19	220,986	365,198	134,997	15.92	8,480
2006	13,411.72	5,842	9,654	4,830	15.95	303
2012	8,780,826.10	2,328,433	3,847,933	5,635,359	16.04	351,332
2013	297,276.90	67,593	111,703	209,356	16.05	13,044
2015	580,743.20	81,204	134,197	493,006	16.07	30,679
2016	41,434.95	3,652	6,035	38,715	16.09	2,406
2017	3,698,546.13	115,639	191,103	3,803,327	16.10	236,231
	70,125,568.12	37,739,280	62,367,365	13,368,249		836,182

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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
2007	109,685,027.52	40,622,245	37,585,192	80,874,638	18.74	4,315,616
2011	6,848,600.71	1,812,805	1,677,274	5,719,215	18.82	303,890
2012	249,577.51	58,240	53,886	215,658	18.83	11,453
2013	222,658.95	44,242	40,934	199,537	18.85	10,586
2014	567,246.36	91,422	84,587	528,039	18.87	27,983
2015	221,002.85	26,608	24,619	214,064	18.89	11,332
2016	437,494.93	33,004	30,537	441,958	18.91	23,372
2017	1,096,322.41	29,293	27,103	1,156,925	18.92	61,148
	119,327,931.24	42,717,859	39,524,131	89,350,035		4,765,380
GHENT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2011	125,544.16	31,968	53,807	81,781	19.74	4,143
2012	251,732,171.56	56,380,555	94,897,318	176,973,428	19.76	8,956,145
2013	865,241.71	164,951	277,638	656,823	19.78	33,206
2014	435,675.38	67,220	113,142	357,388	19.80	18,050
2015	75,609.90	8,688	14,623	67,035	19.82	3,382
2016	153,720.92	11,088	18,663	147,356	19.84	7,427
2017	773,684.26	19,319	22,517	803,062	19.86	40,436
	254,161,647.89	56,683,789	95,407,708	179,086,872		9,062,789
	3,886,806,695.50	1,108,363,637	1,159,258,254	3,052,682,145		155,318,414
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						19.7 4.00

KENTUCKY UTILITIES COMPANY

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2023						
NET SALVAGE PERCENT.. 0						
1990	4,493,379.64	3,688,615	3,041,332	1,452,048	6.00	242,008
2011	4,610,665.23	2,397,546	1,976,821	2,633,844	6.00	438,974
	9,104,044.87	6,086,161	5,018,153	4,085,892		680,982
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2019						
NET SALVAGE PERCENT.. 0						
2005	170,126.36	146,661	170,126			
2007	172,621.19	145,002	172,621			
2008	8,648.65	7,145	8,649			
2009	224,059.52	181,381	224,060			
	575,455.72	480,189	575,456			
GREEN RIVER UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2019						
NET SALVAGE PERCENT.. 0						
1978	931,932.13	887,022	931,932			
1985	296.57	279	297			
1997	5,030.40	4,583	5,030			
2004	49,756.95	43,337	49,757			
2005	26,461.24	22,811	26,461			
2007	72,732.11	61,095	72,732			
2009	246,680.85	199,693	246,681			
2010	130,846.99	103,300	130,847			
2011	334,280.60	255,628	334,281			
2012	33,823.14	24,804	33,823			
	1,831,840.98	1,602,552	1,831,841			

KENTUCKY UTILITIES COMPANY

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PINEVILLE UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2019						
NET SALVAGE PERCENT.. 0						
1977	50,117.00	47,758	50,117			
1978	41,148.89	39,166	41,149			
	91,265.89	86,924	91,266			
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
1993	9,299,115.00	8,284,675	9,298,845	270	3.00	90
	9,299,115.00	8,284,675	9,298,845	270		90
BROWN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
1993	3,909,061.67	3,482,622	2,991,413	917,649	3.00	305,883
	3,909,061.67	3,482,622	2,991,413	917,649		305,883
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
2008	19,802,080.26	15,049,581	5,142,558	14,659,522	3.00	4,886,507
	19,802,080.26	15,049,581	5,142,558	14,659,522		4,886,507

KENTUCKY UTILITIES COMPANY

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
1997	39,480.55	34,440	39,209	272	3.00	91
	39,480.55	34,440	39,209	272		91
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2022						
NET SALVAGE PERCENT.. 0						
1974	1,777,792.39	1,594,520	1,766,490	11,303	5.00	2,261
1987	322,828.55	277,358	307,271	15,557	5.00	3,111
	2,100,620.94	1,871,878	2,073,761	26,860		5,372
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2021						
NET SALVAGE PERCENT.. 0						
1994	16,544,368.68	14,137,990	7,607,181	8,937,188	4.00	2,234,297
2004	16,148,295.19	12,457,279	6,702,846	9,445,449	4.00	2,361,362
	32,692,663.87	26,595,269	14,310,027	18,382,637		4,595,659
GHENT UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2020						
NET SALVAGE PERCENT.. 0						
1994	1,901,133.18	1,685,906	1,901,133			
	1,901,133.18	1,685,906	1,901,133			
	81,346,762.93	65,260,197	43,273,662	38,073,102		10,474,584
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 3.6 12.88						

KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	10,495,573.59	4,820,496	6,572,140	5,287,858	34.07	155,206
2008	10,044,788.71	1,960,024	2,672,246	8,678,365	41.30	210,130
2011	63,452,777.33	8,865,908	12,087,550	59,614,088	42.17	1,413,661
2012	35,891.34	4,312	5,879	34,678	42.45	817
2014	2,395,609.34	189,303	258,091	2,448,948	42.96	57,005
2015	581,903.51	33,515	45,693	611,857	43.20	14,163
2016	2,364,803.69	82,866	112,977	2,559,251	43.44	58,915
2017	614,976.53	7,401	10,090	684,833	43.66	15,686
	89,986,324.04	15,963,825	21,764,667	79,919,879		1,925,583
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1956	3,209,637.23	3,328,217	3,402,215			
1959	14,882.13	15,418	15,775			
1968	5,774.91	5,966	6,121			
1985	11,462.31	11,709	12,150			
1996	32,671.87	32,810	34,632			
1997	17,942.90	17,974	19,019			
2001	103,385.99	102,250	109,589			
2004	163,261.40	159,155	173,057			
2009	467,034.49	435,110	495,057			
2010	0.03		0			
2012	1,851,245.33	1,616,029	1,962,320			
2013	77,712.20	65,286	82,375			
2014	262,052.93	207,885	277,776			
2015	5,133,151.02	3,701,771	5,120,672	320,468	1.17	273,904
2016	10,064.58	5,976	8,267	2,402	1.17	2,053
2017	20,639.88	6,458	8,933	12,945	1.17	11,064
	11,380,919.20	9,712,014	11,727,960	335,814		287,021

KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1963	4,017,807.85	4,157,984	4,258,876			
1965	26,462.00	27,368	28,050			
1985	8,768.76	8,957	9,295			
1990	23,666.17	24,030	25,086			
1994	1,497,407.00	1,510,206	1,587,251			
1995	574,163.49	577,891	608,613			
1996	32,822.53	32,961	34,792			
1997	33,091.00	33,149	35,076			
2002	1,508,264.00	1,485,472	1,598,760			
2003	362,121.20	354,952	383,848			
2004	1,221,923.10	1,191,192	1,295,238			
2005	146,394.62	141,825	155,178			
2006	632,295.16	608,082	670,233			
2007	2,547.40	2,429	2,700			
2009	927,175.48	863,798	982,806			
2010	840,714.12	769,915	891,157			
2011	13,859.99	12,433	14,529	163	1.17	139
2012	364,931.03	318,564	372,266	14,561	1.17	12,445
2013	35,612.96	29,919	34,963	2,787	1.17	2,382
2014	1,106,284.24	877,608	1,025,550	147,111	1.17	125,736
2015	275,708.32	198,827	232,344	59,907	1.17	51,203
2017	51,040.14	15,970	18,662	35,440	1.17	30,291
	13,703,060.56	13,243,532	14,265,275	259,969		222,196

BROWN UNIT 3  
INTERIM SURVIVOR CURVE.. IOWA 60-R2  
PROBABLE RETIREMENT YEAR.. 6-2035  
NET SALVAGE PERCENT.. -6

1971	6,622,731.15	5,098,695	2,236,353	4,783,742	14.52	329,459
1973	2,376.00	1,805	792	1,727	14.76	117
1984	13,467.21	9,317	4,087	10,189	15.81	644
1993	6,448.62	3,956	1,735	5,100	16.38	311
1994	191,259.00	115,263	50,556	152,179	16.43	9,262
1995	421,519.00	249,293	109,343	337,467	16.48	20,477
1997	10,429,790.49	5,915,508	2,594,618	8,460,960	16.57	510,619
1998	297,088.00	164,605	72,198	242,715	16.61	14,613
1999	68,653.00	37,093	16,269	56,503	16.65	3,394
2003	61,008.77	29,060	12,746	51,923	16.80	3,091



KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>BROWN UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
2004	72,895.42	33,379	14,640	62,629	16.83	3,721
2005	4,204,448.97	1,840,668	807,341	3,649,375	16.87	216,323
2006	562,067.65	234,253	102,746	493,045	16.90	29,174
2008	781,074.49	289,017	126,767	701,172	16.95	41,367
2009	810,823.83	278,736	122,257	737,236	16.98	43,437
2011	407,184.46	116,010	50,883	380,732	17.03	22,357
2012	16,784,850.43	4,225,230	1,853,240	15,938,701	17.05	934,821
2013	60,585.16	13,012	5,707	58,513	17.08	3,426
2014	1,314,686.65	229,994	100,878	1,292,690	17.10	75,596
2015	1,346,993.07	176,835	77,562	1,350,251	17.12	78,870
2017	1,337,298.12	38,571	16,918	1,400,618	17.16	81,621
	45,797,249.49	19,100,300	8,377,637	40,167,447		2,422,680
<b>GHEMT UNIT 1</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1974	13,697,463.09	10,679,698	11,629,895	3,163,366	14.19	222,929
1975	38,921.00	30,136	32,817	9,217	14.29	645
1976	156.00	120	131	38	14.38	3
1979	21,978.00	16,510	17,979	5,757	14.65	393
1980	3,163.50	2,357	2,567	850	14.73	58
1985	156,856.25	111,516	121,438	47,967	15.08	3,181
1989	252,974.07	171,621	186,891	86,321	15.32	5,635
1992	58,228.11	37,865	41,234	21,652	15.47	1,400
1994	1,803,234.05	1,134,648	1,235,600	711,893	15.56	45,751
1995	13,200.94	8,157	8,883	5,374	15.60	344
1996	32,637.46	19,771	21,530	13,718	15.65	877
2001	424,030.20	227,007	247,204	210,748	15.83	13,313
2002	162,462.00	84,250	91,746	83,713	15.86	5,278
2003	1,089,602.19	545,692	594,243	582,527	15.89	36,660
2004	1,385,035.03	667,248	726,615	769,223	15.92	48,318
2006	1,501,464.76	660,665	719,446	902,136	15.97	56,489
2008	11,574,683.26	4,531,614	4,934,802	7,565,856	16.02	472,276
2009	426,823.12	155,370	169,194	291,775	16.05	18,179
2011	3,073,590.83	930,815	1,013,632	2,305,846	16.09	143,309
2012	58,830.81	15,751	17,152	46,385	16.11	2,879
2013	355,249.66	81,491	88,741	294,928	16.13	18,284

KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
2014	23,384.79	4,382	4,772	20,484	16.15	1,268
2015	2,428,504.79	341,434	371,812	2,250,973	16.17	139,207
2016	787,747.30	70,418	76,683	774,084	16.18	47,842
2017	957,520.21	30,362	33,063	1,001,058	16.20	61,794
	40,327,741.42	20,558,898	22,388,069	21,165,892		1,346,312
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1977	17,316,453.74	13,217,102	14,172,164	4,529,606	14.47	313,034
1978	4,313,274.00	3,266,751	3,502,805	1,155,531	14.56	79,363
1979	20,087.00	15,089	16,179	5,515	14.65	376
1980	2,264.00	1,687	1,809	636	14.73	43
1981	899.00	664	712	259	14.80	18
1985	128,384.83	91,274	97,869	40,786	15.08	2,705
1993	11,440.84	7,320	7,849	4,507	15.52	290
1996	2,506,918.63	1,518,594	1,628,327	1,079,145	15.65	68,955
1997	29,881.11	17,731	19,012	13,259	15.68	846
1998	64,136.87	37,204	39,892	29,375	15.72	1,869
1999	678,802.78	384,155	411,914	321,193	15.76	20,380
2002	137,999.16	71,564	76,735	72,304	15.86	4,559
2004	951,927.36	458,596	491,734	536,348	15.92	33,690
2005	458,645.99	211,653	226,947	268,391	15.95	16,827
2006	172,946.00	76,099	81,598	105,184	15.97	6,586
2009	2,195,130.77	799,058	856,798	1,513,944	16.05	94,327
2011	241,196.39	73,045	78,323	182,169	16.09	11,322
2012	902,565.37	241,646	259,107	715,663	16.11	44,424
2013	1,341,650.30	307,764	330,003	1,118,979	16.13	69,373
2014	115,704.20	21,679	23,246	101,715	16.15	6,298
2015	249,264.64	35,045	37,577	231,628	16.17	14,325
2016	348,992.43	31,197	33,451	343,461	16.18	21,228
2017	868,410.34	27,536	29,526	908,357	16.20	56,071
	33,056,975.75	20,912,453	22,423,578	13,277,956		866,909

KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1981	23,715,442.13	16,658,229	19,422,957	6,189,720	17.04	363,246
1982	480,015.00	333,653	389,029	129,388	17.15	7,544
1983	29,912.17	20,573	23,987	8,318	17.25	482
1984	7,192,035.00	4,890,897	5,702,628	2,064,770	17.35	119,007
1985	156,856.24	105,443	122,943	46,462	17.44	2,564
1987	44,239.03	28,999	33,812	13,966	17.62	793
1995	2,196,292.70	1,262,258	1,471,752	900,244	18.19	49,491
1996	2,264.00	1,273	1,484	961	18.25	53
1999	60,118.00	31,389	36,599	28,329	18.41	1,539
2003	555,078.69	253,738	295,850	303,635	18.60	16,324
2004	943,602.66	413,934	482,634	536,457	18.64	28,780
2005	619,008.50	259,216	302,237	366,292	18.68	19,609
2006	365,407.85	145,311	169,428	225,213	18.72	12,031
2007	1,228,187.47	460,607	537,053	789,390	18.76	42,078
2009	1,824,052.27	593,554	692,065	1,277,912	18.83	67,866
2011	1,402,218.14	376,040	438,451	1,075,945	18.89	56,958
2012	1,314,528.73	310,202	361,686	1,058,006	18.92	55,920
2013	530,602.17	106,788	124,511	448,539	18.95	23,670
2014	152,425.65	24,884	29,014	135,606	18.98	7,145
2016	457,129.60	34,954	40,755	452,945	19.03	23,802
2017	589,956.17	15,648	18,245	618,908	19.06	32,472
	43,859,372.17	26,327,590	30,697,120	16,671,002		931,474
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1984	41,011,924.40	27,424,379	28,940,984	15,351,894	18.09	848,640
1985	236,810.00	156,402	165,051	90,704	18.20	4,984
1986	51,406.00	33,523	35,377	20,142	18.30	1,101
1987	65,193.00	41,963	44,284	26,125	18.39	1,421
1989	118,897.45	74,375	78,488	49,921	18.57	2,688
1991	21,490.58	13,021	13,741	9,469	18.74	505
1993	194,113.31	113,521	119,799	89,844	18.89	4,756
1994	321,113.00	184,207	194,394	152,408	18.96	8,038
1996	33,858.00	18,603	19,632	16,935	19.10	887
2000	676.00	334	352	378	19.34	20
2003	3,702,461.38	1,644,888	1,735,853	2,262,806	19.49	116,101

KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R2						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2004	106,038.93	45,134	47,630	66,892	19.54	3,423
2005	951,102.73	386,460	407,832	619,359	19.58	31,632
2006	1,053,339.88	405,671	428,105	709,502	19.63	36,144
2007	391,047.02	141,966	149,817	272,514	19.67	13,854
2008	399,683.45	135,627	143,127	288,531	19.71	14,639
2009	1,462,218.47	459,293	484,693	1,094,503	19.75	55,418
2011	9,957.80	2,569	2,711	8,043	19.82	406
2012	3,951,908.24	896,762	946,354	3,321,707	19.85	167,340
2013	766,472.18	148,050	156,237	671,553	19.88	33,780
2014	2,164,941.54	338,328	357,038	1,981,099	19.92	99,453
2015	25,437.69	2,973	3,137	24,335	19.94	1,220
2016	146,534.85	10,712	11,304	146,953	19.97	7,359
2017	2,044,910.82	51,767	54,630	2,153,874	20.00	107,694
	59,231,536.72	32,730,528	34,540,570	29,429,490		1,561,503
	337,343,179.35	158,549,140	166,184,876	201,227,449		9,563,678
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						21.0 2.83

KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	9,229,511.61	4,221,487	4,594,015	5,835,334	39.94	146,103
2008	28,344.56	5,425	5,904	26,126	46.49	562
2011	34,193,435.89	4,695,361	5,109,706	33,528,877	46.99	713,532
2012	1,088,194.59	128,266	139,585	1,090,075	47.14	23,124
2013	159,449.60	15,630	17,009	163,169	47.27	3,452
2014	447,854.18	34,808	37,880	468,196	47.39	9,880
2015	228,635.93	12,918	14,058	244,301	47.50	5,143
2016	190,160.29	6,565	7,144	207,737	47.60	4,364
2017	53,968.16	632	688	60,296	47.70	1,264
	45,619,554.81	9,121,092	9,925,988	41,624,109		907,424
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
1990	1,415,469.10	647,422	793,978	805,502	39.94	20,168
	1,415,469.10	647,422	793,978	805,502		20,168
BROWN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1956	965,068.08	1,003,219	1,022,972			
1958	96,451.16	100,214	102,238			
1963	780.00	809	827			
1965	63,901.00	66,234	67,735			
1968	2,135.00	2,210	2,263			
1979	58,759.52	60,451	62,285			
1989	1,850.00	1,883	1,961			
1992	1,344.04	1,362	1,425			
1995	1,428,056.08	1,438,824	1,513,739			
2001	68,330.19	67,632	72,430			
2006	767,016.47	737,897	813,037			
2009	166,049.72	154,717	176,013			
2010	19,084.61	17,500	20,230			
2011	53,830.80	48,357	57,061			

KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>BROWN UNIT 1</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
2014	79,740.42	63,348	84,525			
2015	433,058.83	312,700	447,066	11,977	1.17	10,237
2016	48,892.14	29,116	41,627	10,199	1.17	8,717
2017	66,975.99	21,256	30,390	40,605	1.17	34,705
	4,321,324.05	4,127,729	4,517,823	62,780		53,659
<b>BROWN UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1948	384.00	400	407			
1963	817,849.45	848,316	866,920			
1965	1,103.00	1,143	1,169			
1966	397.00	411	421			
1970	793.56	821	841			
1984	38,251.57	39,173	40,547			
1994	185,597.00	187,392	196,733			
1995	12,605.00	12,700	13,361			
1997	36,014.00	36,112	38,175			
1998	10,424.35	10,424	11,050			
2005	30,977.05	30,023	32,836			
2010	105,240.55	96,501	111,555			
2011	34,981.18	31,424	36,519	561	1.17	479
2012	1,109,729.78	969,976	1,127,258	49,055	1.17	41,927
2014	20,568.37	16,340	18,990	2,813	1.17	2,404
2016	11,513.95	6,857	7,969	4,236	1.17	3,621
	2,416,429.81	2,288,013	2,504,751	56,665		48,431
<b>BROWN UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1972	4,207,199.70	3,277,071	3,726,557	733,074	15.86	46,222
1973	69,444.66	53,701	61,067	12,545	15.98	785
1974	17,025.00	13,072	14,865	3,182	16.08	198
1984	4,045.00	2,839	3,228	1,059	16.89	63

KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1985	798.00	554	630	216	16.94	13
1988	8,408.74	5,629	6,401	2,512	17.08	147
1989	8,164.40	5,393	6,133	2,522	17.12	147
1990	9,591.76	6,246	7,103	3,065	17.16	179
1991	5,344.58	3,428	3,898	1,767	17.20	103
1997	778,846.00	446,538	507,786	317,791	17.35	18,316
2003	45,349.90	21,814	24,806	23,265	17.43	1,335
2004	18,213.04	8,417	9,571	9,734	17.44	558
2005	6,057.20	2,677	3,044	3,376	17.45	193
2007	1,652,556.57	657,434	747,608	1,004,102	17.46	57,509
2010	208,220.77	66,294	75,387	145,327	17.47	8,319
2011	163,301.43	46,868	53,296	119,803	17.48	6,854
2012	1,510,611.21	383,243	435,809	1,165,439	17.48	66,673
2013	14,420.13	3,127	3,556	11,719	17.48	670
2014	100,296.43	17,728	20,160	86,155	17.49	4,926
2015	131,881.19	17,483	19,881	119,913	17.49	6,856
2016	6,475,762.92	542,212	616,582	6,247,726	17.49	357,217
	15,435,528.73	5,581,768	6,347,369	10,014,291		577,283
BROWN UNITS 1, 2 AND 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
2013	29,308,888.08	6,360,433	6,736,338	24,331,083	17.48	1,391,938
2017	15,569.02	459	486	16,017	17.49	916
	29,324,457.10	6,360,892	6,736,824	24,347,101		1,392,854

KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1997	2,978,785.13	1,786,771	2,416,350	800,738	16.37	48,915
2011	5,833.85	1,782	2,410	3,891	16.48	236
2012	9,121,453.85	2,465,058	3,333,636	6,517,535	16.48	395,481
2016	117,306.68	10,564	14,286	112,405	16.49	6,817
	12,223,379.51	4,264,175	5,766,682	7,434,568		451,449
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1974	6,348,415.72	5,037,384	6,126,347	729,942	15.27	47,802
1978	869,693.72	669,398	814,106	125,163	15.61	8,018
1994	911,155.00	579,830	705,176	278,872	16.32	17,088
1995	70.00	44	54	22	16.34	1
1996	15,852.00	9,713	11,813	5,307	16.35	325
2000	14,398.00	8,018	9,751	5,799	16.41	353
2004	33,927.95	16,503	20,071	16,572	16.45	1,007
2005	160,601.93	74,799	90,969	82,481	16.46	5,011
2007	53,989.17	22,687	27,591	30,717	16.47	1,865
2009	84,877.13	31,168	37,906	53,762	16.48	3,262
2011	268,831.65	82,122	99,875	190,463	16.48	11,557
2012	178,069.98	48,123	58,526	133,790	16.48	8,118
2013	43,107.20	9,981	12,139	34,417	16.49	2,087
2014	33,762.45	6,384	7,764	28,699	16.49	1,740
2015	3,068,772.44	436,324	530,647	2,783,627	16.49	168,807
2016	127,767.94	11,506	13,993	123,996	16.49	7,519
2017	123,589.14	3,928	4,777	128,699	16.49	7,805
	12,336,881.42	7,047,912	8,571,504	4,752,328		292,365
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1977	9,794,204.35	7,599,684	8,911,497	1,666,243	15.53	107,292
1984	2,100,053.81	1,530,372	1,794,536	473,522	15.97	29,651
1989	42,801.92	29,415	34,492	11,734	16.18	725



KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1996	44,978.99	27,560	32,317	16,260	16.35	994
1997	152,868.92	91,696	107,524	57,574	16.37	3,517
2007	95,312.10	40,052	46,966	55,972	16.47	3,398
2009	292,925.23	107,565	126,132	190,227	16.48	11,243
2010	60,449.95	20,400	23,921	41,365	16.48	2,530
2011	1,111,858.00	339,648	398,276	802,531	16.48	48,697
2012	34,908.72	9,434	11,062	26,639	16.48	1,616
2013	66,340.84	15,361	18,013	53,636	16.49	3,253
2014	81,708.97	15,451	18,118	70,128	16.49	4,253
2015	335,328.94	47,678	55,908	306,247	16.49	18,572
	14,213,740.74	9,874,316	11,578,763	3,772,077		236,021
GHENT UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1976	639,635.42	478,694	560,026	130,780	17.91	7,302
1981	25,047,721.92	17,875,116	20,912,172	6,139,368	18.43	333,118
1982	687,842.97	485,666	568,183	174,688	18.52	9,432
1984	95,821.00	66,138	77,375	26,112	18.68	1,398
1987	68,793.51	45,728	53,497	20,800	18.88	1,102
1988	18,279.36	11,984	14,020	5,722	18.94	302
2000	4,283,840.81	2,195,158	2,568,124	2,058,424	19.35	106,379
2007	51,757.15	19,591	22,920	32,978	19.44	1,696
2012	72,766.46	17,310	20,251	58,337	19.47	2,996
2013	10,609.78	2,146	2,511	8,948	19.48	459
2014	2,536,658.89	417,267	486,162	2,251,429	19.48	115,576
2015	32,239.52	3,960	4,633	30,186	19.48	1,550
2016	18,243.03	1,408	1,647	18,055	19.49	926
	33,564,209.82	21,620,166	25,293,521	10,955,826		582,236

KENTUCKY UTILITIES COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>GHEENT UNIT 4</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1984	21,499,657.05	14,590,054	13,868,375	9,351,255	19.56	478,081
1985	48,287.00	32,362	30,761	21,389	19.64	1,089
1988	20,564.21	13,231	12,577	9,633	19.85	485
1991	5,683.09	3,487	3,315	2,823	20.02	141
1993	155,202.00	91,853	87,310	80,309	20.11	3,993
1994	24,278.82	14,089	13,392	12,829	20.15	637
2000	2,476,120.09	1,235,565	1,174,449	1,499,760	20.33	73,771
2003	42,697.44	19,155	18,208	27,906	20.38	1,369
2011	27,699.80	7,213	6,856	23,060	20.46	1,127
2013	13,232.05	2,575	2,448	11,843	20.47	579
2014	23,100,966.21	3,632,581	3,452,900	21,496,144	20.48	1,049,616
2015	212,920.54	25,017	23,780	206,175	20.48	10,067
2016	230,240.27	16,969	16,130	232,530	20.48	11,354
2017	4,327,248.64	111,321	105,815	4,567,614	20.49	222,919
	52,184,797.21	19,795,472	18,816,313	37,543,268		1,855,228
<b>GHEENT UNIT 2 SCRUBBER</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
2011	5,833.85	1,782	1,863	4,438	16.48	269
2012	890,617.40	240,688	251,596	710,271	16.48	43,099
2013	54,747.62	12,676	13,250	45,877	16.49	2,782
	951,198.87	255,146	266,709	760,586		46,150
<b>GHEENT UNIT 3 SCRUBBER</b>						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
2007	11,277,366.96	4,268,691	4,228,585	7,950,972	19.44	409,001
2011	764,631.32	206,450	204,510	621,292	19.47	31,910
	12,041,998.28	4,475,141	4,433,095	8,572,263		440,911

KENTUCKY UTILITIES COMPANY  
 ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
 CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 70-R4						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
2011	5,833.83	1,519	1,528	4,773	20.46	233
2012	15,142,207.72	3,458,456	3,478,820	12,874,764	20.47	628,958
	15,148,041.55	3,459,975	3,480,348	12,879,537		629,191
	251,197,011.00	98,919,219	109,033,668	163,580,901		7,533,370
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						21.7 3.00

KENTUCKY UTILITIES COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -13						
2000	41,467.41	12,325	15,767	31,091	41.89	742
2002	26,900.64	7,289	9,325	21,073	42.23	499
2011	4,522,589.85	594,354	760,346	4,350,181	43.54	99,912
2012	203,432.33	23,020	29,449	200,429	43.67	4,590
2013	838,229.79	79,101	101,192	846,007	43.79	19,320
2014	831,413.70	62,138	79,492	860,006	43.91	19,586
2015	130,793.56	7,125	9,115	138,682	44.03	3,156
2016	125,813.18	4,188	5,358	136,811	44.14	3,099
2017	282,062.33	3,210	4,106	314,624	44.25	7,110
	7,002,702.79	792,750	1,014,150	6,898,904		158,008
SYSTEM LABORATORY						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2040						
NET SALVAGE PERCENT.. 0						
1983	229.68	136	126	103	20.68	5
1984	10,283.72	6,021	5,597	4,686	20.73	226
1986	48,397.00	27,624	25,680	22,717	20.83	1,091
1987	100,806.00	56,754	52,760	48,046	20.88	2,301
1989	3,576.00	1,955	1,817	1,759	20.97	84
1990	22,201.79	11,945	11,104	11,098	21.01	528
1991	72,843.39	38,540	35,827	37,016	21.05	1,758
1994	4,476.87	2,237	2,080	2,397	21.17	113
1995	3,198.74	1,565	1,455	1,744	21.20	82
1996	5,552.69	2,654	2,467	3,085	21.24	145
1997	47,150.16	21,996	20,448	26,702	21.27	1,255
1998	67,015.37	30,435	28,293	38,722	21.31	1,817
1999	62,975.53	27,795	25,839	37,117	21.34	1,740
2000	730.00	312	290	460	21.37	21
2002	276,203.04	110,296	102,533	173,670	21.42	8,108
2003	632,334.03	242,576	225,503	406,831	21.45	18,966
2004	199,225.39	73,140	67,992	131,233	21.48	6,110
2005	131,911.92	46,111	42,866	89,046	21.51	4,140
2006	31,404.52	10,400	9,668	21,736	21.53	1,010
2007	89,149.53	27,761	25,807	63,342	21.56	2,938
2009	226,404.22	60,855	56,572	169,832	21.60	7,863
2010	90,044.40	22,039	20,488	69,557	21.63	3,216
2011	250,794.23	55,059	51,184	199,610	21.65	9,220

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SYSTEM LABORATORY						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2040						
NET SALVAGE PERCENT.. 0						
2012	175,216.25	33,750	31,375	143,842	21.67	6,638
2013	161,221.62	26,363	24,508	136,714	21.69	6,303
2014	325,883.54	43,000	39,974	285,910	21.71	13,170
2015	38,318.47	3,768	3,503	34,816	21.73	1,602
2016	152,643.59	9,356	8,697	143,946	21.75	6,618
2017	458,721.29	9,895	9,199	449,523	21.77	20,649
	3,688,912.98	1,004,338	933,650	2,755,263		127,717

BROWN UNIT 1  
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5  
PROBABLE RETIREMENT YEAR.. 2-2019  
NET SALVAGE PERCENT.. -6

1954	7,308.72	7,587	7,747			
1955	921.00	956	976			
1956	96,637.48	100,262	102,436			
1971	671.82	693	712			
1988	1,387.17	1,412	1,470			
1990	18,405.00	18,685	19,509			
1992	7,705.00	7,797	8,167			
1994	9,227.37	9,304	9,781			
1995	1,940.96	1,953	2,057			
1996	2,858.88	2,870	3,030			
2001	64,870.51	64,136	68,763			
2003	118,172.07	115,790	125,262			
2005	13,393.06	12,969	14,197			
2007	497.91	474	528			
2011	8,037.82	7,218	8,073	447	1.16	385
2014	37,649.44	29,931	33,475	6,433	1.16	5,546
	389,684.21	382,037	406,185	6,880		5,931

BROWN UNIT 2  
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5  
PROBABLE RETIREMENT YEAR.. 2-2019  
NET SALVAGE PERCENT.. -6

1963	59,546.28	61,648	63,119			
1965	541.89	561	574			

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 2-2019						
NET SALVAGE PERCENT.. -6						
1968	520.36	538	552			
1969	4,400.82	4,545	4,665			
1970	555.08	573	588			
1995	3,998.73	4,024	4,239			
1996	2,858.69	2,870	3,030			
1998	5,685.52	5,678	6,027			
2000	3,709.49	3,681	3,932			
2007	21,010.50	20,023	22,271			
2012	20,279.74	17,724	21,417	80	1.16	69
	123,107.10	121,865	130,414	80		69
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1969	55,586.77	42,450	46,375	12,547	15.89	790
1970	2,634.00	2,000	2,185	607	15.94	38
1971	373,932.83	282,274	308,376	87,993	15.99	5,503
1972	6,479.06	4,862	5,312	1,556	16.03	97
1973	960.00	716	782	235	16.08	15
1974	3,179.00	2,355	2,573	797	16.12	49
1976	2,020.00	1,476	1,612	529	16.20	33
1977	39,153.91	28,403	31,029	10,474	16.24	645
1978	1,537.00	1,106	1,208	421	16.28	26
1980	769.95	545	595	221	16.35	14
1981	7,296.00	5,123	5,597	2,137	16.38	130
1982	1.31	1	1			
1983	52,115.16	35,916	39,237	16,005	16.45	973
1984	7,364.85	5,026	5,491	2,316	16.48	141
1985	14,635.00	10,003	10,928	4,776	16.51	289
1986	146,238.43	97,689	106,722	48,290	16.53	2,921
1987	219,381.67	144,843	158,237	74,308	16.56	4,487
1988	129,942.03	84,745	92,581	45,157	16.59	2,722
1989	210,175.64	135,345	147,860	74,926	16.61	4,511
1990	326,556.15	207,389	226,566	119,583	16.64	7,186
1991	378,859.70	237,164	259,095	142,497	16.66	8,553
1992	143,407.00	88,416	96,592	55,420	16.68	3,323
1993	213,117.96	129,213	141,161	84,744	16.71	5,071

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
BROWN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2035						
NET SALVAGE PERCENT.. -6						
1994	243,236.46	144,911	158,311	99,520	16.73	5,949
1995	378,604.30	221,392	241,864	159,456	16.75	9,520
1996	132,026.00	75,665	82,662	57,286	16.77	3,416
1997	113,295.86	63,549	69,425	50,668	16.79	3,018
1998	16,759.09	9,183	10,032	7,732	16.81	460
1999	78,147.46	41,784	45,648	37,189	16.82	2,211
2000	12,638.00	6,575	7,183	6,213	16.84	369
2001	61,005.75	30,796	33,644	31,022	16.86	1,840
2003	211,552.31	99,780	109,007	115,239	16.89	6,823
2004	87,825.06	39,804	43,485	49,610	16.91	2,934
2005	126,190.46	54,738	59,800	73,962	16.92	4,371
2006	93,259.29	38,487	42,046	56,809	16.94	3,354
2007	109,967.17	42,952	46,924	69,641	16.95	4,109
2008	76,267.72	27,936	30,519	50,325	16.97	2,966
2009	25,225.68	8,585	9,379	17,360	16.98	1,022
2010	510,629.45	159,685	174,451	366,816	16.99	21,590
2011	184,777.66	52,072	56,887	138,977	17.01	8,170
2012	256,120.18	63,816	69,717	201,770	17.02	11,855
2013	319,773.21	68,205	74,512	264,448	17.03	15,528
2014	312,463.22	54,282	59,301	271,910	17.04	15,957
2015	417,186.02	54,340	59,365	382,852	17.06	22,442
2016	191,888.31	15,723	17,177	186,225	17.07	10,909
2017	189,493.25	5,490	5,998	194,865	17.08	11,409
	6,483,855.33	2,926,810	3,197,454	3,675,433		217,739
GHENT UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1997	911,941.17	535,754	875,267	109,629	15.87	6,908
2000	2,454.00	1,340	2,189	461	15.92	29
2011	47,617.08	14,307	23,374	28,053	16.06	1,747
	962,012.25	551,401	900,830	138,143		8,684

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
1974	1,024,130.37	786,277	1,059,220	46,840	15.28	3,065
1975	72,980.65	55,669	74,994	3,826	15.32	250
1976	12,253.24	9,285	12,508	725	15.35	47
1978	6,426.72	4,801	6,468	473	15.42	31
1983	4,043.88	2,897	3,903	465	15.57	30
1988	74,936.00	50,907	68,579	12,352	15.70	787
1989	2,178.22	1,462	1,970	383	15.72	24
1990	137,000.67	90,725	122,219	25,742	15.74	1,635
1994	52,592.00	32,748	44,116	12,683	15.82	802
1995	11,112.00	6,794	9,152	2,849	15.84	180
1996	153,652.05	92,185	124,186	41,759	15.85	2,635
1997	18,479.01	10,856	14,624	5,333	15.87	336
1998	2,709.00	1,556	2,096	830	15.89	52
1999	79,194.16	44,407	59,822	25,708	15.90	1,617
2000	2,880.81	1,573	2,119	992	15.92	62
2004	42,569.91	20,323	27,378	18,598	15.98	1,164
2006	30,770.07	13,421	18,080	15,152	16.00	947
2007	7,433.84	3,068	4,133	3,896	16.02	243
2013	68,502.65	15,573	20,979	53,004	16.09	3,294
2015	42,125.60	5,878	7,918	37,577	16.11	2,333
	1,845,970.85	1,250,405	1,684,463	309,186		19,534

GHENT UNIT 2  
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5  
PROBABLE RETIREMENT YEAR.. 6-2034  
NET SALVAGE PERCENT.. -8

1976	97,461.37	73,854	97,113	8,145	15.35	531
1977	661,648.39	497,798	654,571	60,010	15.39	3,899
1978	591,177.00	441,605	580,681	57,790	15.42	3,748
1985	6,645.13	4,669	6,139	1,037	15.62	66
1989	51,128.40	34,307	45,111	10,107	15.72	643
1990	7,692.02	5,094	6,698	1,609	15.74	102
1991	6,857.97	4,479	5,890	1,517	15.76	96
1992	50,988.28	32,809	43,142	11,926	15.78	756
2006	15,073.78	6,575	8,646	7,634	16.00	477
2007	7,433.84	3,068	4,034	3,994	16.02	249



KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>GHEHT UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -8						
2013	17,365.58	3,948	5,191	13,563	16.09	843
2014	9,654.84	1,796	2,362	8,066	16.10	501
2017	30,383.39	948	1,247	31,568	16.13	1,957
	1,553,509.99	1,110,950	1,460,824	216,967		13,868
<b>GHEHT UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2037						
NET SALVAGE PERCENT.. -8						
1981	2,113,307.83	1,456,770	1,776,456	505,916	18.09	27,967
1982	219,540.39	149,857	182,743	54,361	18.13	2,998
1983	7,536.34	5,092	6,209	1,930	18.17	106
1984	599,875.00	400,951	488,939	158,926	18.21	8,727
1987	14,126.58	9,115	11,115	4,141	18.31	226
1988	8,279.00	5,271	6,428	2,514	18.35	137
1993	31,841.79	18,754	22,870	11,520	18.50	623
1994	1,429.72	826	1,007	537	18.53	29
2004	70,857.65	30,699	37,436	39,090	18.75	2,085
2007	56,110.00	20,799	25,363	35,235	18.81	1,873
2013	8,682.80	1,724	2,102	7,275	18.91	385
2014	824,923.38	133,335	162,595	728,322	18.92	38,495
2016	70,989.53	5,380	6,561	70,108	18.95	3,700
	4,027,500.01	2,238,573	2,729,825	1,619,875		87,351
<b>GHEHT UNIT 4</b>						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1984	1,551,008.56	1,017,198	995,081	680,008	19.06	35,677
1985	75,061.39	48,650	47,602	33,464	19.10	1,752
1986	68,833.86	44,079	43,121	31,220	19.14	1,631
1987	194,430.24	122,923	120,250	89,734	19.18	4,679
1988	240,695.56	150,096	146,832	113,119	19.22	5,885
1989	281,911.30	173,347	169,578	134,866	19.25	7,007
1990	241,531.51	146,258	143,078	117,776	19.29	6,106
1991	236,117.05	140,751	137,691	117,316	19.32	6,072

KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 75-R1.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -8						
1992	186,806.00	109,504	107,123	94,627	19.35	4,890
1993	119,556.00	68,837	67,340	61,780	19.38	3,188
1994	89,879.11	50,765	49,661	47,408	19.41	2,442
1995	403,518.00	223,312	218,456	217,343	19.44	11,180
1996	153,670.60	83,195	81,386	84,578	19.47	4,344
1997	261,371.59	138,185	135,180	147,101	19.50	7,544
1998	36,015.00	18,574	18,170	20,725	19.52	1,062
1999	626,250.00	314,185	307,354	368,996	19.55	18,874
2000	69,931.00	34,078	33,337	42,188	19.57	2,156
2003	274,884.03	120,564	117,943	178,932	19.64	9,111
2004	259,074.19	108,825	106,459	173,341	19.67	8,812
2005	117,203.33	46,977	45,956	80,624	19.69	4,095
2006	15,073.78	5,735	5,610	10,669	19.71	541
2007	167,940.61	60,233	58,823	122,453	19.73	6,206
2008	38,302.23	12,841	12,562	28,805	19.75	1,458
2009	38,451.83	11,931	11,672	29,856	19.77	1,510
2010	820,549.05	232,776	227,715	658,478	19.79	33,273
2011	521,855.44	133,022	130,130	433,474	19.81	21,882
2012	694,925.41	155,748	152,362	598,158	19.82	30,180
2013	65,548.30	12,513	12,241	58,551	19.84	2,951
2014	109,379.77	16,876	16,509	101,621	19.86	5,117
2015	803,237.38	92,796	90,778	775,718	19.87	39,090
2016	381,116.80	27,606	27,006	384,600	19.89	19,336
2017	854,931.81	21,292	20,829	902,497	19.91	45,329
	9,999,060.73	3,943,682	3,857,934	6,941,052		353,380
	36,076,316.24	14,322,811	16,315,729	22,561,783		992,281
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						22.7 2.75

**LOUISVILLE GAS AND ELECTRIC COMPANY**  
LOUISVILLE, KENTUCKY

**2017 DEPRECIATION STUDY**

CALCULATED ANNUAL DEPRECIATION  
ACCRUALS RELATED TO STEAM GENERATION  
PLANT AS OF DECEMBER 31, 2017

Prepared by:



*Excellence Delivered*

LOUISVILLE GAS AND ELECTRIC COMPANY

Louisville, Kentucky

2017 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION  
ACCRUALS RELATED TO STEAM GENERATION  
PLANT AS OF DECEMBER 31, 2017

GANNETT FLEMING VALUATION AND RATE CONSULTANTS, LLC

Harrisburg, Pennsylvania



Excellence Delivered

September 4, 2018

Louisville Gas and Electric Company  
220 West Main Street, Suite 1400  
Louisville, KY 40202-1345

Attention Christopher M. Garrett  
Controller

Ladies and Gentlemen:

Pursuant to your request, we have conducted a depreciation study related to the steam generation plant of Louisville Gas and Electric Company as of December 31, 2017. The attached report presents a description of the methods used in the estimation of depreciation, the summary of annual depreciation accrual rates, the statistical support for the life and net salvage estimates and the detailed tabulations of annual depreciation.

Respectfully submitted,

GANNETT FLEMING VALUATION  
AND RATE CONSULTANTS, LLC

A handwritten signature in black ink, appearing to read "John J. Spanos".

JOHN J. SPANOS  
Sr. Vice President

JJS:mle

063769.200

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**LOUISVILLE GAS AND ELECTRIC COMPANY**

**DEPRECIATION STUDY**

**EXECUTIVE SUMMARY**

Pursuant to Louisville Gas and Electric Company's ("LGE" or "Company") request, Gannett Fleming Valuation and Rate Consultants, LLC ("Gannett Fleming") conducted a depreciation study related to the steam generation plant as of December 31, 2017. The purpose of this study was to determine the annual depreciation accrual rates and amounts for book and ratemaking purposes.

The depreciation rates are based on the straight line method using the average service life ("ASL") procedure and were applied on a remaining life basis. The calculations were based on attained ages and estimated average service life and forecasted net salvage characteristics for each depreciable group of assets.

LGE's accounting policy has not changed since the last depreciation study was prepared. However, there have been significant changes in past and future retirement plans of assets. These changes have caused the proposed remaining lives for many accounts to fluctuate from those proposed in the previous depreciation study as of December 31, 2015.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to steam generation plant in service as of December 31, 2017 as summarized by Table 1 of the study. Supporting analysis and calculations are provided within the study.

The study results set forth an annual depreciation expense of \$114.2 million when applied to depreciable plant balances as of December 31, 2017.



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**PART I. INTRODUCTION**

**LOUISVILLE GAS AND ELECTRIC COMPANY  
DEPRECIATION STUDY**

**PART I. INTRODUCTION**

**SCOPE**

This report sets forth the results of the depreciation study for Louisville Gas and Electric Company ("Company"), as applied to specific steam generation plant in service as of December 31, 2017. The rates and amounts are based on the straight line remaining life method of depreciation. This report also describes the concepts, methods and judgments which underlie the recommended annual depreciation accrual rates related to current electric plant in service.

The service life and net salvage estimates resulting from the study were based on informed judgment which incorporated analyses of historical plant retirement data as recorded through 2017, the net salvage analyses of historical plant retirement data recorded through 2017, a review of Company practice and outlook as they relate to plant operation and retirement, and consideration of current practice in the electric industry, including knowledge of service lives and net salvage estimates used for other electric companies.

**PLAN OF REPORT**

Part I, Introduction, contains statements with respect to the plan of the report, and the basis of the study. Part II, Estimation of Survivor Curves, presents descriptions of the considerations and the methods used in the service life study. Part III, Service Life Considerations, presents the factors and judgment utilized in the average service life analysis. Part IV, Net Salvage Considerations, presents the judgment utilized for the net salvage study. Part V, Calculation of Annual and Accrued Depreciation, describes the procedures used in the calculation of group depreciation. Part VI, Results

of Study, presents a summary by depreciable group of annual depreciation accrual rates and amounts, as well as composite remaining lives. Part VII, Service Life Statistics presents the statistical analysis of service life estimates, Part VIII, Net Salvage Statistics sets forth the statistical indications of net salvage percents, and Part IX, Detailed Depreciation Calculations presents the detailed tabulations of annual depreciation.

#### **BASIS OF THE STUDY**

##### **Depreciation**

Depreciation, in public utility regulation, is the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of utility plant in the course of service from causes which are known to be in current operation and against which the utility is not protected by insurance. Among causes to be given consideration are wear and tear, deterioration, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and the requirements of public authorities.

Depreciation, as used in accounting, is a method of distributing fixed capital costs, less net salvage, over a period of time by allocating annual amounts to expense. Each annual amount of such depreciation expense is part of that year's total cost of providing electric and gas utility service. Normally, the period of time over which the fixed capital cost is allocated to the cost of service is equal to the period of time over which an item renders service, that is, the item's service life. The most prevalent method of allocation is to distribute an equal amount of cost to each year of service life. This method is known as the straight-line method of depreciation.

For all accounts, the annual depreciation was calculated by the straight line method using the average service life procedure and the remaining life basis. The calculated remaining lives and annual depreciation accrual rates were based on attained

ages of plant in service and the estimated service life and salvage characteristics of each depreciable group.

The straight line method, average service life procedure is a commonly used depreciation calculation procedure that has been widely accepted in jurisdictions throughout North America. Gannett Fleming recommends its continued use.

**Service Life and Net Salvage Estimates**

The service life and net salvage estimates used in the depreciation calculations were based on informed judgment which incorporated a review of management's plans, policies and outlook, a general knowledge of the electric utility industry, and comparisons of the service life and net salvage estimates from our studies of other electric utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for utility property. Iowa type survivor curves were used to depict the estimated survivor curves for the plant accounts. For steam production plants, the life span technique was used. In this technique, the date of final retirement was estimated for each unit, and the estimated survivor curves applied to each vintage were truncated at ages coinciding with the date of final retirement.

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data analyses and the probable future. The combination of the historical experience and the estimated future yielded estimated survivor curves from which the average service lives were derived.

The estimates of net salvage by account incorporated a review of experienced

costs of removal and salvage related to plant retirements, and consideration of trends exhibited by the historical data. Each component of net salvage, i.e., cost of removal and salvage, was stated in dollars and as a percent of retirement.

An understanding of the function of the plant and information with respect to the reasons for past retirements and the expected causes of future retirements was obtained through discussions with operating and management personnel. The supplemental information obtained in this manner was considered in the interpretation and extrapolation of the statistical analyses.

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**PART II. ESTIMATION OF SURVIVOR CURVES**

## **PART II. ESTIMATION OF SURVIVOR CURVES**

The calculation of annual depreciation based on the straight line method requires the estimation of survivor curves and the selection of group depreciation procedures. The estimation of survivor curves is discussed below and the development of net salvage is discussed in later sections of this report.

### **SURVIVOR CURVES**

The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units, or by constructing a survivor curve by plotting the number of units which survive at successive ages.

The survivor curve graphically depicts the amount of property existing at each age throughout the life of an original group. From the survivor curve, the average life of the group, the remaining life expectancy, the probable life, and the frequency curve can be calculated. In Figure 1, a typical smooth survivor curve and the derived curves are illustrated. The average life is obtained by calculating the area under the survivor curve, from age zero to the maximum age, and dividing this area by the ordinate at age zero. The remaining life expectancy at any age can be calculated by obtaining the area under the curve, from the observation age to the maximum age, and dividing this area by the percent surviving at the observation age. For example, in Figure 1, the remaining life at age 30 is equal to the crosshatched area under the survivor curve divided by 29.5 percent surviving at age 30. The probable life at any age is developed by adding the age and remaining life. If the probable life of the property is calculated for each year of age, the probable life curve shown in the chart can be developed. The frequency curve presents the number of units retired in each age interval. It is derived by obtaining the differences between the amount of property surviving at the beginning and at the end of each interval.

This study has incorporated the use of Iowa curves developed from a retirement rate analysis of historical retirement history. A discussion of the concepts of survivor curves and of the development of survivor curves using the retirement rate method is presented below.

**Iowa Type Curves**

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. There are four families in the Iowa system, labeled in accordance with the location of the modes of the retirements in relationship to the average life and the relative height of the modes. The left moded curves, presented in Figure 2, are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical moded curves, presented in Figure 3, are those in which the greatest frequency of retirement occurs at average service life. The right moded curves, presented in Figure 4, are those in which the greatest frequency occurs to the right of, or after, average service life. The origin moded curves, presented in Figure 5, are those in which the greatest frequency of retirement occurs at the origin, or immediately after age zero. The letter designation of each family of curves (L, S, R or O) represents the location of the mode of the associated frequency curve with respect to the average service life. The numbers represent the relative heights of the modes of the frequency curves within each family.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves, which constitute three of the four families, was published in 1935 in the form of the Experiment



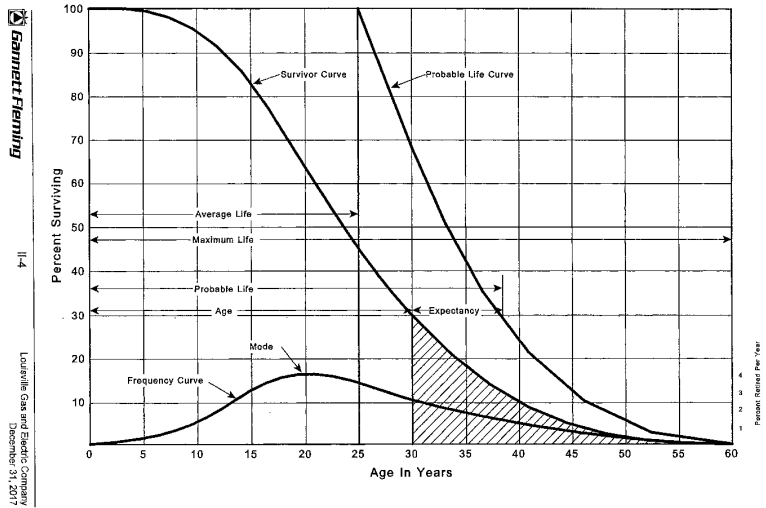


Figure 1. A Typical Survivor Curve and Derived Curves

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11-4  
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December 31, 2017

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Louisville Gas and Electric Company  
December 31, 2017

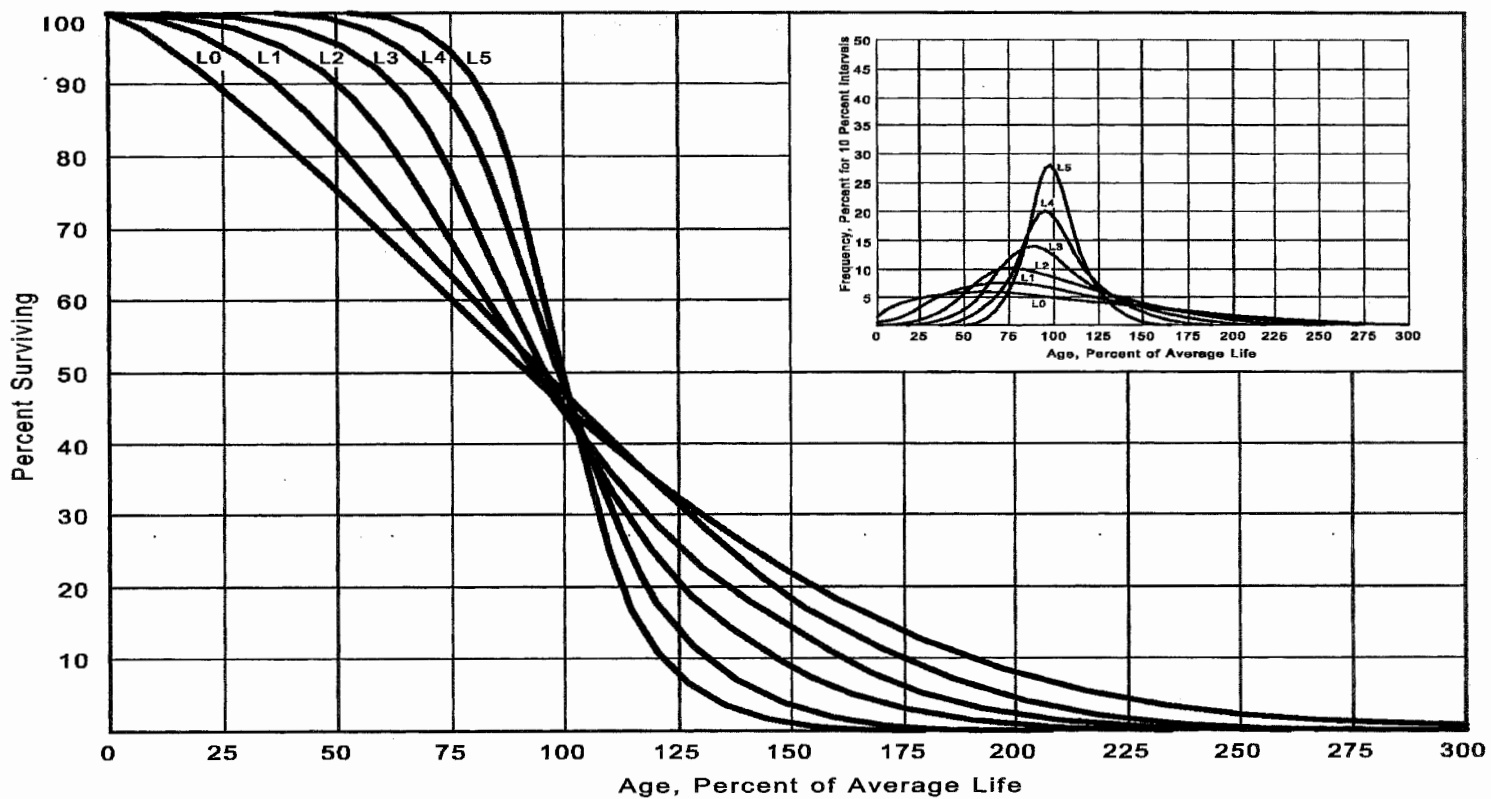


Figure 2. Left Modal or "L" Iowa Type Survivor Curves

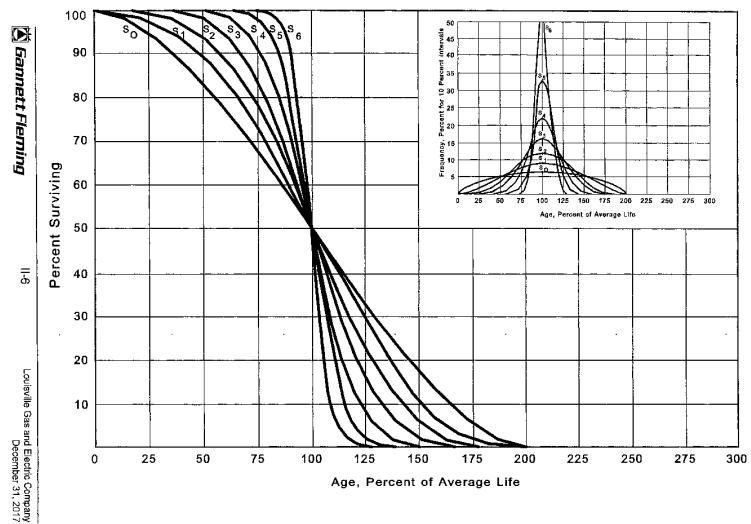


Figure 3. Symmetrical or "S" Iowa Type Survivor Curves

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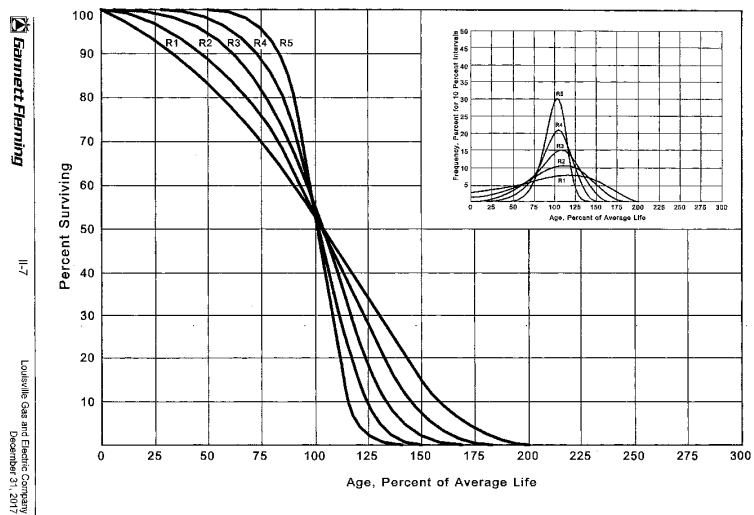


Figure 4. Right Modal or "R" Iowa Type Survivor Curves

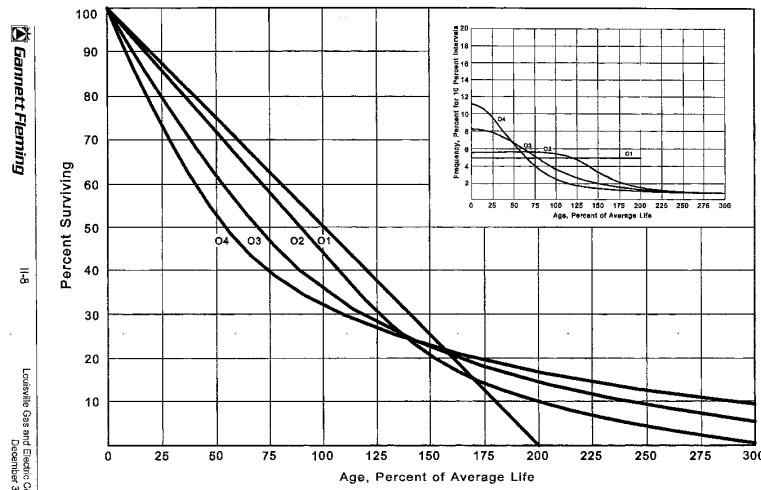


Figure 5. Origin Modal or "O" Iowa Type Survivor Curves

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Station's Bulletin 125. These curve types have also been presented in subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation."<sup>1</sup> In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student submitted a thesis presenting his development of the fourth family consisting of the four O type survivor curves.

**Retirement Rate Method of Analysis**

The retirement rate method is an actuarial method of deriving survivor curves using the average rates at which property of each age group is retired. The method relates to property groups for which aged accounting experience is available and is the method used to develop the original stub survivor curves in this study. The method (also known as the annual rate method) is illustrated through the use of an example in the following text, and is also explained in several publications, including "Statistical Analyses of Industrial Property Retirements"<sup>2</sup>, "Engineering Valuation and Depreciation,"<sup>3</sup> and "Depreciation Systems."<sup>4</sup>

The average rate of retirement used in the calculation of the percent surviving for the survivor curve (life table) requires two sets of data: first, the property retired during a period of observation, identified by the property's age at retirement; and second, the property exposed to retirement at the beginning of the age intervals during the same period. The period of observation is referred to as the experience band, and the band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows.

<sup>1</sup>Marston, Anson, Robley Winfrey and Jean C. Hempstead. Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company, 1953.

<sup>2</sup>Winfrey, Roble, Statistical Analyses of Industrial Property Retirements. Iowa State College Engineering Experiment Station, Bulletin 125, 1935.

<sup>3</sup>Marston, Anson, Roble Winfrey, and Jean C. Hempstead, Supra Note 1.

<sup>4</sup>Wolf, Frank K. and W. Chester Fitch. Depreciation Systems. Iowa State University Press, 1994.

The example includes schedules of annual aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

**Schedules of Annual Transactions in Plant Records**

The property group used to illustrate the retirement rate method is observed for the experience band 2008-2017 during which there were placements during the years 2003-2017. In order to illustrate the summation of the aged data by age interval, the data was compiled in the manner presented in Schedules 1 and 2 on pages II-11 and II-12. In Schedule 1, the year of installation (year placed) and the year of retirement are shown. The age interval during which a retirement occurred is determined from this information. In the example which follows, \$10,000 of the dollars invested in 2003 were retired in 2008. The \$10,000 retirement occurred during the age interval between 4½ and 5½ years on the basis that approximately one-half of the amount of property was installed prior to and subsequent to July 1 of each year. That is, on the average, property installed during a year is placed in service at the midpoint of the year for the purpose of the analysis. All retirements also are stated as occurring at the midpoint of a one-year age interval of time, except the first age interval which encompasses only one-half year.

The total retirements occurring in each age interval in a band are determined by summing the amounts for each transaction year-installation year combination for that age interval. For example, the total of \$143,000 retired for age interval 4½ - 5½ is the sum of the retirements entered on Schedule 1 immediately above the stair step line drawn on the table beginning with the 2008 retirements of 2003 installations and ending with the 2017 retirements of the 2012 installations. Thus, the total amount of 143 for age interval 4½ - 5½ equals the sum of:

$$10 + 12 + 13 + 11 + 13 + 13 + 15 + 17 + 19 + 20.$$

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SCHEDULE 1. RETIREMENTS FOR EACH YEAR 2008-2017  
 SUMMARIZED BY AGE INTERVAL

Year Placed (1)	Retirements, Thousands of Dollars										Total During Age Interval (12)	Age Interval (13)
	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)		
2003	10	11	12	13	14	16	23	24	25	26	26	13½-14½
2004	11	12	13	15	16	18	20	21	22	19	44	12½-13½
2005	11	12	13	14	16	17	19	21	22	18	64	11½-12½
2006	8	9	10	11	11	13	14	15	16	17	83	10½-11½
2007	9	10	11	12	13	14	16	17	19	20	93	9½-10½
2008	4	9	10	11	12	13	14	15	16	20	105	8½-9½
2009		5	11	12	13	14	15	16	18	20	113	7½-8½
2010			6	12	13	15	16	17	19	19	124	6½-7½
2011				6	13	15	16	17	19	19	131	5½-6½
2012					7	14	16	17	19	20	143	4½-5½
2013						8	18	20	22	23	146	3½-4½
2014							9	20	22	25	150	2½-3½
2015								11	23	25	151	1½-2½
2016									11	24	153	¾-1½
2017										13	80	0-¾
<b>Total</b>	<b>53</b>	<b>68</b>	<b>86</b>	<b>106</b>	<b>128</b>	<b>157</b>	<b>196</b>	<b>231</b>	<b>273</b>	<b>308</b>	<b>1,606</b>	



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 Transfer of Gas and Electric Contract  
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SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2008-2017  
 SUMMARIZED BY AGE INTERVAL

Experience Band 2008-2017											Placement Band 2003-2017	
Acquisitions, Transfers and Sales, Thousands of Dollars												
Year Placed	During Year										Total During Age Interval	Age Interval
(1)	2008 (2)	2009 (3)	2010 (4)	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)	2017 (11)	(12)	(13)
2003	-	-	-	-	-	-	60 <sup>a</sup>	-	-	-	-	13½-14½
2004	-	-	-	-	-	-	-	-	-	-	-	12½-13½
2005	-	-	-	-	-	-	-	-	-	-	-	11½-12½
2006	-	-	-	-	-	-	-	(5) <sup>b</sup>	-	-	60	10½-11½
2007	-	-	-	-	-	-	-	6 <sup>c</sup>	-	-	-	9½-10½
2008	-	-	-	-	-	-	-	-	-	-	(5)	8½-9½
2009	-	-	-	-	-	-	-	-	-	-	6	7½-8½
2010	-	-	-	-	-	-	-	-	-	-	-	6½-7½
2011	-	-	-	-	-	-	-	(12) <sup>b</sup>	-	-	-	5½-6½
2012	-	-	-	-	-	-	-	-	22 <sup>a</sup>	-	-	4½-5½
2013	-	-	-	-	-	-	-	(19) <sup>b</sup>	-	-	10	3½-4½
2014	-	-	-	-	-	-	-	-	-	-	-	2½-3½
2015	-	-	-	-	-	-	-	-	-	(102) <sup>c</sup>	(121)	1½-2½
2016	-	-	-	-	-	-	-	-	-	-	-	½-1½
2017	-	-	-	-	-	-	-	-	-	-	-	0-½
<b>Total</b>	-	-	-	-	-	-	<b>60</b>	<b>(30)</b>	<b>22</b>	<b>(102)</b>	<b>(50)</b>	

<sup>a</sup> Transfer Affecting Exposures at Beginning of Year  
<sup>b</sup> Transfer Affecting Exposures at End of Year  
<sup>c</sup> Sale with Continued Use  
 Parentheses Denote Credit Amount

In Schedule 2, other transactions which affect the group are recorded in a similar manner. The entries illustrated include transfers and sales. The entries which are credits to the plant account are shown in parentheses. The items recorded on this schedule are not totaled with the retirements, but are used in developing the exposures at the beginning of each age interval.

**Schedule of Plant Exposed to Retirement**

The development of the amount of plant exposed to retirement at the beginning of each age interval is illustrated in Schedule 3 on page II-14. The surviving plant at the beginning of each year from 2008 through 2017 is recorded by year in the portion of the table headed "Annual Survivors at the Beginning of the Year." The last amount entered in each column is the amount of new plant added to the group during the year. The amounts entered in Schedule 3 for each successive year following the beginning balance or additions are obtained by adding or subtracting the net entries shown on Schedules 1 and 2. For the purpose of determining the plant exposed to retirement, transfers-in are considered as being exposed to retirement in this group at the beginning of the year in which they occurred, and the sales and transfers-out are considered to be removed from the plant exposed to retirement at the beginning of the following year. Thus, the amounts of plant shown at the beginning of each year are the amounts of plant from each placement year considered to be exposed to retirement at the beginning of each successive transaction year. For example, the exposures for the installation year 2013 are calculated in the following manner:

Exposures at age 0 = amount of addition	= \$750,000
Exposures at age ½ = \$750,000 - \$8,000	= \$742,000
Exposures at age 1½ = \$742,000 - \$18,000	= \$724,000
Exposures at age 2½ = \$724,000 - \$20,000 - \$19,000	= \$685,000
Exposures at age 3½ = \$685,000 - \$22,000	= \$663,000

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 II-14  
 Louisville, Ohio and Toledo, Ohio  
 December 31, 2017

SCHEDULE 3. PLANT EXPOSED TO RETIREMENT  
 JANUARY 1 OF EACH YEAR 2008-2017  
 SUMMARIZED BY AGE INTERVAL

Year Placed (1)	Exposures, Thousands of Dollars										Total at Beginning of Age Interval (12)	Age Interval (13)
	2006 (2)	2009 (3)	2010 (4)	Annual Survivors at the Beginning of the Year								
	2011 (5)	2012 (6)	2013 (7)	2014 (8)	2015 (9)	2016 (10)						
2003	255	245	234	222	209	195	239	216	192	167	167	13½-14½
2004	279	268	256	243	228	212	194	174	153	131	323	12½-13½
2005	307	296	284	271	257	241	224	205	184	162	531	11½-12½
2006	338	330	321	311	300	289	276	262	242	226	823	10½-11½
2007	376	367	357	346	334	321	307	297	280	261	1,097	9½-10½
2008	420*	416	407	397	386	374	361	347	332	316	1,503	8½-9½
2009		460*	455	444	432	419	405	390	374	356	1,952	7½-8½
2010			510*	504	492	479	464	448	431	412	2,463	6½-7½
2011				580*	574	561	546	530	501	482	3,057	5½-6½
2012					660*	653	639	623	628	609	3,789	4½-5½
2013						750*	742	724	685	663	4,332	3½-4½
2014							850*	841	821	799	4,955	2½-3½
2015								960*	949	926	5,718	1½-2½
2016									1,080*	1,069	6,579	½-1½
2017										1,220*	7,490	0-½
<b>Total</b>	<b>1,975</b>	<b>2,382</b>	<b>2,824</b>	<b>3,318</b>	<b>3,672</b>	<b>4,494</b>	<b>5,247</b>	<b>6,017</b>	<b>6,852</b>	<b>7,799</b>	<b>44,780</b>	

\*Additions during the year

For the entire experience band 2008-2017, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Schedule 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½ - 5½, is obtained by summing:

$$255 + 268 + 284 + 311 + 334 + 374 + 405 + 448 + 501 + 609.$$

**Original Life Table**

The original life table, illustrated in Schedule 4 on page II-16, is developed from the totals shown on the schedules of retirements and exposures, Schedules 1 and 3, respectively. The exposures at the beginning of the age interval are obtained from the corresponding age interval of the exposure schedule, and the retirements during the age interval are obtained from the corresponding age interval of the retirement schedule. The retirement ratio is the result of dividing the retirements during the age interval by the exposures at the beginning of the age interval. The percent surviving at the beginning of each age interval is derived from survivor ratios, each of which equals one minus the retirement ratio. The percent surviving is developed by starting with 100% at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

Percent surviving at age 4½	=	88.15
Exposures at age 4½	=	3,789,000
Retirements from age 4½ to 5½	=	143,000
Retirement Ratio	=	$143,000 \div 3,789,000 = 0.0377$
Survivor Ratio	=	$1.000 - 0.0377 = 0.9623$
Percent surviving at age 5½	=	$(88.15) \times (0.9623) = 84.83$

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless.

SCHEDULE 4. ORIGINAL LIFE TABLE  
CALCULATED BY THE RETIREMENT RATE METHOD

Experience Band 2008-2017 Placement Band 2003-2017  
(Exposure and Retirement Amounts are in Thousands of Dollars)

Age at Beginning of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Age Interval
(1)	(2)	(3)	(4)	(5)	(6)
0.0	7,490	80	0.0107	0.9893	100.00
0.5	6,579	153	0.0233	0.9767	98.93
1.5	5,719	151	0.0264	0.9736	96.62
2.5	4,955	150	0.0303	0.9697	94.07
3.5	4,332	146	0.0337	0.9663	91.22
4.5	3,789	143	0.0377	0.9623	88.15
5.5	3,057	131	0.0429	0.9571	84.83
6.5	2,463	124	0.0503	0.9497	81.19
7.5	1,952	113	0.0579	0.9421	77.11
8.5	1,503	105	0.0699	0.9301	72.65
9.5	1,097	93	0.0848	0.9152	67.57
10.5	823	83	0.1009	0.8991	61.84
11.5	531	64	0.1205	0.8795	55.60
12.5	323	44	0.1362	0.8638	48.90
13.5	167	26	0.1557	0.8443	42.24
					35.66
<b>Total</b>	<b>44,780</b>	<b>1,606</b>			

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.  
Column 3 from Schedule 1, Column 12, Retirements for Each Year.  
Column 4 = Column 3 Divided by Column 2.  
Column 5 = 1,0000 Minus Column 4.  
Column 6 = Column 5 Multiplied by Column 6 as of the Preceding Age Interval.

The original survivor curve is plotted from the original life table (column 6, Schedule 4). When the curve terminates at a percent surviving greater than zero, it is called a stub survivor curve. Survivor curves developed from retirement rate studies generally are stub curves.

**Smoothing the Original Survivor Curve**

The smoothing of the original survivor curve eliminates any irregularities and serves as the basis for the preliminary extrapolation to zero percent surviving of the original stub curve. Even if the original survivor curve is complete from 100% to zero percent, it is desirable to eliminate any irregularities, as there is still an extrapolation for the vintages which have not yet lived to the age at which the curve reaches zero percent. In this study, the smoothing of the original curve with established type curves was used to eliminate irregularities in the original curve.

The lowa type curves are used in this study to smooth those original stub curves which are expressed as percents surviving at ages in years. Each original survivor curve was compared to the lowa curves using visual and mathematical matching in order to determine the better fitting smooth curves. In Figures 6, 7, and 8, the original curve developed in Schedule 4 is compared with the L, S, and R lowa type curves which most nearly fit the original survivor curve. In Figure 6, the L1 curve with an average life between 12 and 13 years appears to be the best fit. In Figure 7, the S0 type curve with a 12-year average life appears to be the best fit and appears to be better than the L1 fitting. In Figure 8, the R1 type curve with a 12-year average life appears to be the best fit and appears to be better than either the L1 or the S0.

In Figure 9, the three fittings, 12-L1, 12-S0 and 12-R1 are drawn for comparison purposes. It is probable that the 12-R1 lowa curve would be selected as the most representative of the plotted survivor characteristics of the group.

Garrett Fleming  
11-18  
Lombardi, Oles and English Consulting  
December 31, 2017

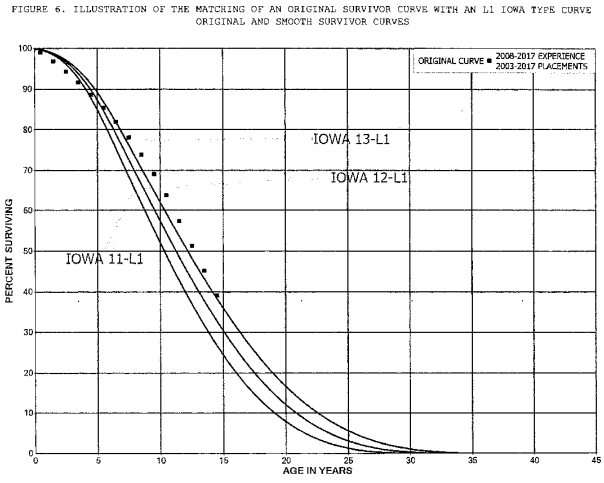


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN SO IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

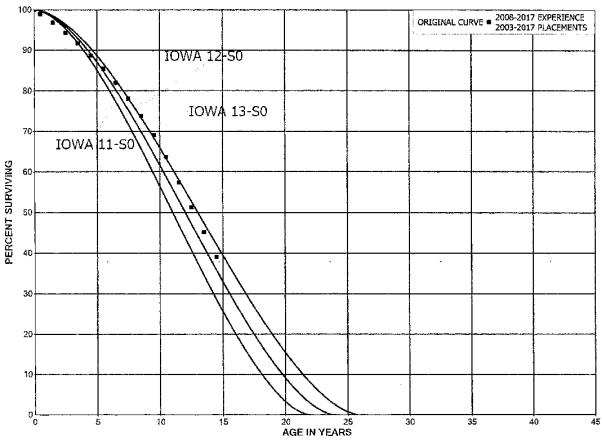
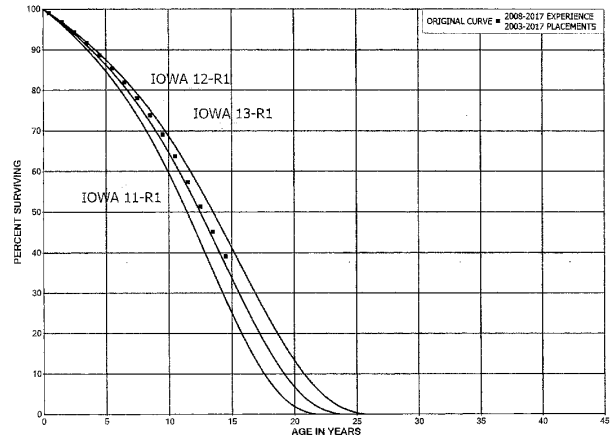


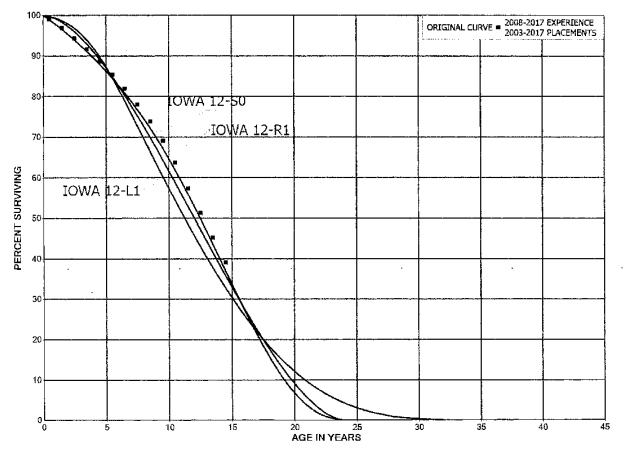


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES



Garrett Fleming  
11/21  
Lockville Gas and Electric Company  
September 3, 2019

FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTHER SURVIVOR CURVES



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**PART III. SERVICE LIFE CONSIDERATIONS**

### **PART III. SERVICE LIFE CONSIDERATIONS**

#### **FIELD TRIPS**

In order to be familiar with the operation of the Company and observe representative portions of the plant, field trips have been conducted. A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirements are obtained during field trips. This knowledge and information were incorporated in the interpretation and extrapolation of the statistical analyses.

The following is a list of the locations visited during recent field trips.

#### October 19-21, 2015

Mill Creek Generating Station  
Mill Creek / Riverport Center  
Cane Run Generating Facility

#### October 10-12, 2011

Mill Creek Generating Station  
Cane Run Generating Facility  
E.W. Brown Generating Facility  
Trimble County Generating Facility

#### April 23-25, 2007

Trimble County Generating Facility  
Mill Creek Generating Facility  
Cane Run Generating Facility  
E.W. Brown Generating Facility

#### **SERVICE LIFE ANALYSIS**

The service life estimates were based on judgment which considered a number of factors. The primary factors were the statistical analyses of data, current Company policies and outlook as determined during conversations with management; and the survivor curve estimates from previous studies of this company and other electric and gas utility companies.

For most plant accounts and subaccounts for which survivor curves were

estimated, the statistical analyses using the retirement rate method resulted in good to excellent indications of the survivor patterns experienced. Generally, the information external to the statistics led to minimal or no significant departure from the indicated survivor curves for the accounts listed below. The statistical support for the service life estimates is presented in the section beginning on page VII-2.

ELECTRIC PLANT	
STEAM PRODUCTION PLANT	
311	Structures and Improvements
312	Boiler Plant Equipment
314	Turbogenerator Units
316	Miscellaneous Power Plant Equipment

Account 312, Boiler Plant Equipment is used to illustrate the manner in which the study was conducted for the groups in the preceding list. Account 312 represents approximately 74 percent of the total depreciable steam generation plant. Aged plant accounting data have been compiled for the years 1952 through 2017. These data have been coded in the course of the Company's normal record keeping according to account or property group, type of transaction, year in which the transaction took place, and year in which the electric plant was placed in service. The retirements, other plant transactions, and plant additions were analyzed by the retirement rate method.

The survivor curve estimate for Account 312, Boiler Plant Equipment, is based on the statistical indications for the periods 1952 through 2017. The Iowa 60-R1 is a good fit of the original survivor curve. The 60-year interim service life is within the typical service life range of 55 to 70 years for boiler plant equipment. The 60-year life reflects the Company's practices of continual and steady retirements for all vintages. The previous estimate was also the Iowa 54-R1.5.

**Life Span Estimates**

Inasmuch as production plant consists of large generating units, the life span

technique was employed in conjunction with the use of interim survivor curves which reflect interim retirements that occur prior to the ultimate retirement of the major unit. An interim survivor curve was estimated for each plant account, inasmuch as the rate of interim retirements differs from account to account. The interim survivor curves estimated for steam production plant were based on the retirement rate method of life analysis which incorporated experienced aged retirements for the period 1954 through 2017.

The depreciable life span estimates for power generating stations were the result of considering experienced life spans of similar generating units, the age of surviving units, general operating characteristics of the units, major refurbishing, and discussions with management personnel concerning the probable long-term outlook for the units and observed features and conditions at the time of the field visit. These life spans represent the expected depreciable life of each facility under their current configuration. The life span estimate for most steam, base-load units is 55 to 60 years, which is within the typical range of life spans for such units.

A summary of the year in service, life span and probable retirement year for each power production unit follows:

<u>Depreciable Group</u>	<u>Major Year in Service</u>	<u>Probable Retirement Year</u>	<u>Life Span</u>
Steam Production Plant			
Cane Run Unit 1	1954	2002	48
Cane Run Unit 2	1956	2002	46
Cane Run Unit 3	1958	2002	44
Cane Run Unit 4	1962	2015	53
Cane Run Unit 5	1966	2015	49
Cane Run Unit 6	1969	2015	46
Mill Creek Unit 1	1972	2032	60
Mill Creek Unit 2	1974	2034	60
Mill Creek Unit 3	1978	2038	60

Mill Creek Unit 4	1982	2042	60
Trimble County Unit 1	1990	2050	60
Trimble County Unit 2	1990,2011	2066	76,55

Similar studies were performed for the remaining plant accounts. Each of the judgments represented a consideration of statistical analyses of aged plant activity, management's outlook for the future, and the typical range of lives used by other electric companies.

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**PART IV. NET SALVAGE CONSIDERATIONS**



**PART IV. NET SALVAGE CONSIDERATIONS**

**SALVAGE ANALYSIS**

The estimates of net salvage by account were based in part on historical data compiled through 2017. Cost of removal and salvage were expressed as percents of the original cost of plant retired, both on annual and three-year moving average bases. The most recent five-year average also was calculated for consideration. The net salvage estimates by account are expressed as a percent of the original cost of plant retired.

**Net Salvage Considerations**

The estimates of future net salvage are expressed as percentages of surviving plant in service, i.e., all future retirements. In cases in which removal costs are expected to exceed salvage receipts, a negative net salvage percentage is estimated. The net salvage estimates were based on judgment which incorporated analyses of historical cost of removal and salvage data, expectations with respect to future removal requirements and markets for retired equipment and materials.

The analyses of historical cost of removal and salvage data are presented in the section titled "Net Salvage Statistics" for the plant accounts for which the net salvage estimate relied partially on those analyses.

Statistical analyses of historical data for the period, 1972 through 2017 by plant account were analyzed. The analyses contributed significantly toward the net salvage estimates for most plant accounts, representing 99 percent of the depreciable plant, as follows:

ELECTRIC PLANT	
STEAM PRODUCTION	
311	Structures and Improvements
312	Boiler Plant Equipment
314	Turbogenerator Units
315	Accessory Electric Equipment
316	Miscellaneous Power Plant Equipment

The overall net salvage estimates for the Company's production facilities, for which the life span method is used, is based on estimates of both terminal net salvage and interim net salvage. Terminal net salvage is the net salvage experienced at the end of a production plant's life span. Interim net salvage is the net salvage experienced for interim retirements that occur prior to the final retirement of the plant. The terminal net salvage estimates in the study were based on decommissioning costs assigned to comparable facilities. The interim net salvage estimates were based in part on an analysis of historical interim retirement and net salvage data. Based on informed judgment that incorporated these interim net salvage analyses for each plant account, an interim net salvage estimate between 2 and 25 percent was used for each steam plant account.

The interim survivor curve estimates for each account and production facility were used to calculate the percentage of plant expected to be retired as interim retirements and terminal retirements. These are shown on Table 2 in the Net Salvage Statistics section on page VIII-2. These percentages were used to determine the weighted net salvage estimate for each account and production facility based on the interim and terminal net salvage estimates. These calculations, as well as the estimated terminal net salvage amounts and interim net salvage percents, are shown on Table 2 of the Net Salvage Statistics section on page VIII-2.

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**PART V. CALCULATION OF ANNUAL AND  
ACCRUED DEPRECIATION**

**PART V. CALCULATION OF ANNUAL  
AND ACCRUED DEPRECIATION**

**GROUP DEPRECIATION PROCEDURES**

A group procedure for depreciation is appropriate when considering more than a single item of property. Normally the items within a group do not have identical service lives, but have lives that are dispersed over a range of time. There are two primary group procedures, namely, average service life and equal life group. In the average service life procedure, the rate of annual depreciation is based on the average life or average remaining life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to average life is more than fully recouped. Over the entire life cycle, the portion of cost not recouped prior to average life is balanced by the cost recouped subsequent to average life.

**Single Unit of Property**

The calculation of straight line depreciation for a single unit of property is straightforward. For example, if a \$1,000 unit of property attains an age of four years and has a life expectancy of six years, the annual accrual over the total life is:

$$\frac{\$1,000}{(4 + 6)} = \$100 \text{ per year.}$$

The accrued depreciation is:

$$\$1,000 \left(1 - \frac{6}{10}\right) = \$400.$$

**Remaining Life Annual Accruals**

For the purpose of calculating remaining life accruals as of December 31, 2017, the depreciation reserve for each plant account is allocated among vintages in proportion to the calculated accrued depreciation for the account. Explanations of remaining life accruals and calculated accrued depreciation follow. The detailed calculations as of December 31, 2017, are set forth in the Results of Study section of the report.

**Average Service Life Procedure**

In the average service life procedure, the remaining life annual accrual for each vintage is determined by dividing future book accruals (original cost less book reserve) by the average remaining life of the vintage. The average remaining life is a directly weighted average derived from the estimated future survivor curve in accordance with the average service life procedure.

The calculated accrued depreciation for each depreciable property group represents that portion of the depreciable cost of the group which would not be allocated to expense through future depreciation accruals if current forecasts of life characteristics are used as the basis for such accruals. The accrued depreciation calculation consists of applying an appropriate ratio to the surviving original cost of each vintage of each account based upon the attained age and service life. The straight line accrued depreciation ratios are calculated as follows for the average service life procedure:

$$\text{Ratio} = 1 - \frac{\text{Average Remaining Service Life}}{\text{Average Service Life}}$$

**PART VI. RESULTS OF STUDY**

**QUALIFICATION OF RESULTS**

The calculated annual and accrued depreciation are the principal results of the study. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate annual depreciation accrual rates. An assumption that accrual rates can remain unchanged over a long period of time implies a disregard for the inherent variability in service lives and salvage and for the change of the composition of property in service. The annual accrual rates were calculated in accordance with the straight line remaining life method of depreciation, using the average service life procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

The annual depreciation accrual rates are applicable specifically to the steam generation plant in service as of December 31, 2017. For most plant accounts, the application of such rates to future balances that reflect additions subsequent to December 31, 2017, is reasonable for a period of three to five years.

**DESCRIPTION OF STATISTICAL SUPPORT**

The service life and salvage estimates were based on judgment which incorporated statistical analyses of retirement data, discussions with management and consideration of estimates made for other electric utility companies. The results of the statistical analyses of service life are presented in the section titled "Service Life Statistics".

The estimated survivor curves for each account are presented in graphical form. The charts depict the estimated smooth survivor curve and original survivor curve(s),

when applicable, related to each specific group. For groups where the original survivor curve was plotted, the calculation of the original life table is also presented.

The analyses of salvage data are presented in the section titled, "Net Salvage Statistics". The tabulations present annual cost of removal and salvage data, three-year moving averages and the most recent five-year average. Data are shown in dollars and as percentages of original costs retired.

#### **DESCRIPTION OF DEPRECIATION TABULATIONS**

A summary of the results of the study, as applied to the original cost of steam generation plant as of December 31, 2017, is presented on pages VI-4 and VI-5 of this report. The schedule sets forth the original cost, the book reserve, future accruals, the calculated annual depreciation rate and amount, and the composite remaining life related to electric plant.

The tables of the calculated annual depreciation accruals are presented in account sequence in the section titled "Detailed Depreciation Calculations." The tables indicate the estimated survivor curve and net salvage percent for the account and set forth, for each installation year, the original cost, the calculated accrued depreciation, the allocated book reserve, future accruals, the remaining life and the calculated annual accrual amount.

LEWISVILLE GAS AND ELECTRIC COMPANY

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR QUOTE, NET BALANCE DEFICIT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL DATES AS OF DECEMBER 31, 2017

ACCOUNT ID	ASSET TYPE	ESTIMATED SURVIVOR QUOTE (\$)	NET BALANCE DEFICIT (\$)	ORIGINAL COST (\$)	DEPRECIATION RESERVE (\$)	DEPRECIATION ACCRUAL (\$)	ANNUAL DEPRECIATION ACCRUAL (\$)	ANNUAL DEPRECIATION ACCRUAL (\$)	ANNUAL DEPRECIATION ACCRUAL (\$)	ANNUAL DEPRECIATION ACCRUAL (\$)
<b>311.00 OFFSHORE PLANT</b>										
<b>STEAM PRODUCTION PLANT</b>										
<b>STRUCTURES AND IMPROVEMENTS</b>										
311.00	STEAM PRODUCTION PLANT									
	MALL CREEK UNIT 1	(170)	2,128,299.52	1,925,264	1,925,264	5,233,745	14,761,588	14,761,588	14,761,588	14.8
	MALL CREEK UNIT 2	(170)	3,175,500.51	2,791,924	2,791,924	4,235,847	27,612,629	27,612,629	27,612,629	17.6
	MALL CREEK UNIT 3	(170)	7,146,896.26	41,175,204	41,175,204	2,193,844	2,193,844	2,193,844	2,193,844	31.2
	MALL CREEK UNIT 4	(170)	107,382,375.28	82,481,633	82,481,633	3,109,880	1,282,299	1,282,299	1,282,299	20.3
	MALL CREEK UNIT 5	(170)	17,480,331.29	25,876,874	25,876,874	11,308,906	25,058,906	25,058,906	25,058,906	34.8
	TRIMBLE COUNTY UNIT 1	(174)	86,287,631.94	194,179,829	194,179,829	155,038,271	5,846,173	5,846,173	5,846,173	28.1
	TRIMBLE COUNTY UNIT 2	(174)	282,274,031.94	1,196,276,729	1,196,276,729	0	0	0	0	0
	TRIMBLE COUNTY UNIT 3	(170)	1,062,172.29	2,276,117	2,276,117	0	0	0	0	0
	TRIMBLE COUNTY UNIT 4	(170)	2,020,201.33	18,323	18,323	0	0	0	0	0
	TRIMBLE COUNTY UNIT 5	(170)	11,126,719	18,323	18,323	0	0	0	0	0
	TRIMBLE COUNTY UNIT 6	(170)	18,323	18,323	18,323	0	0	0	0	0
	TRIMBLE COUNTY UNIT 7	(170)	18,323	18,323	18,323	0	0	0	0	0
	TRIMBLE COUNTY UNIT 8	(170)	24,145,808.79	27,000,290	27,000,290	0	0	0	0	0
	<b>TOTAL ACCOUNT 311.0 - STRUCTURES AND IMPROVEMENTS - RETIRED PLANT</b>									
			187,108,125.11	48,644,710	48,644,710	105,447,842	11,287,008	11,287,008	11,287,008	6.15
			187,108,125.11	20,000,000	20,000,000	167,108,125.11	14,761,588	14,761,588	14,761,588	2.97
			187,108,125.11	37,775,158.46	37,775,158.46	37,775,158.46	12,793,151	12,793,151	12,793,151	4.17
			187,108,125.11	132,775,800	132,775,800	882,675,299	13,222,299	13,222,299	13,222,299	5.91
			187,108,125.11	82,481,633	82,481,633	277,481,633	14,761,588	14,761,588	14,761,588	4.62
			187,108,125.11	25,876,874	25,876,874	41,291,170	5,846,173	5,846,173	5,846,173	2.33
			187,108,125.11	5,846,173	5,846,173	5,846,173	5,846,173	5,846,173	5,846,173	4.31
	<b>TOTAL ACCOUNT 311 - STEAM PLANT RUNNING</b>		71,184,874.48	483,628,029	483,628,029	1,948,986,067	14,761,588	14,761,588	14,761,588	2.33



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VI-5

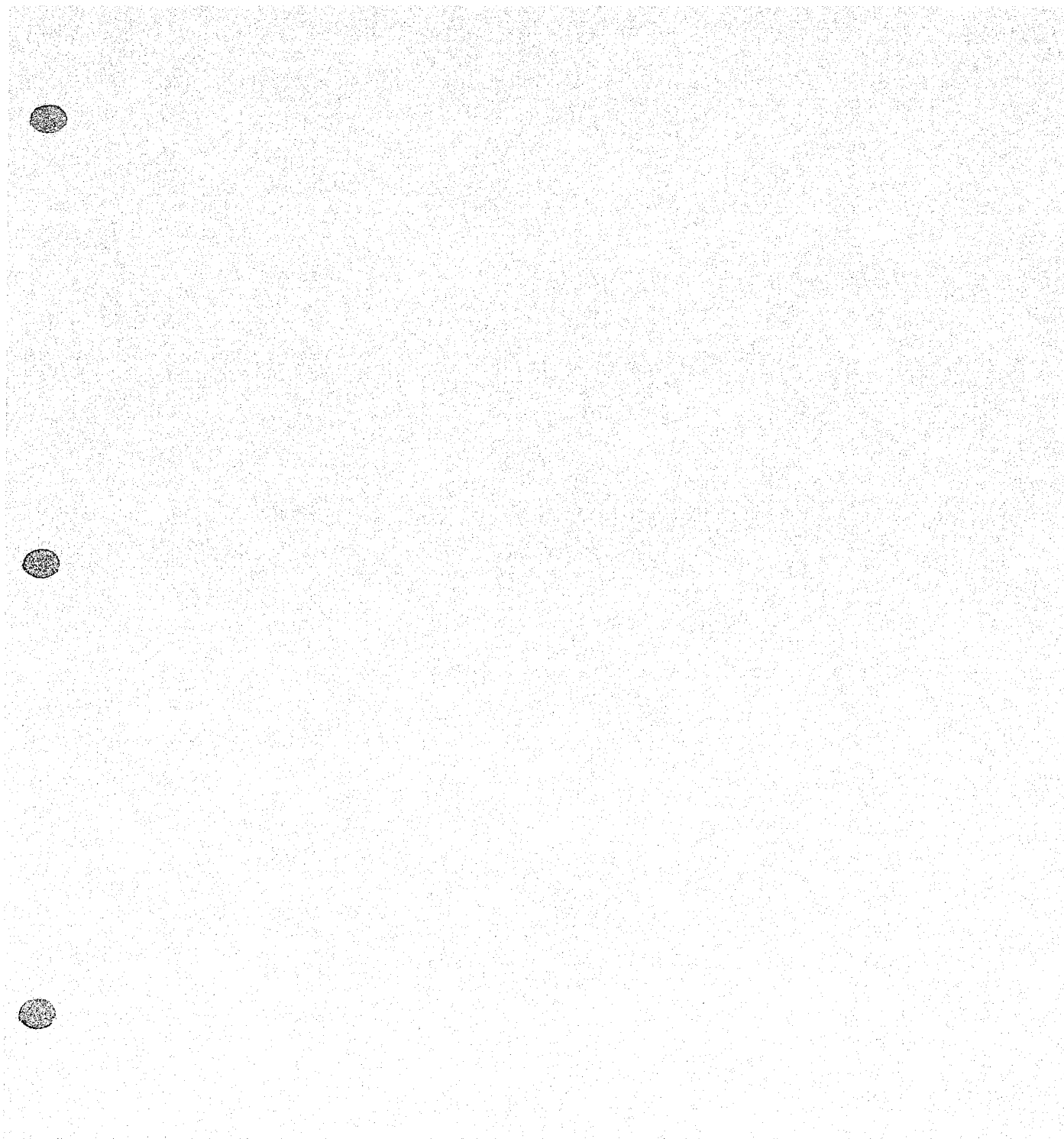
Louisville Gas and Electric Company  
December 31, 2017

LOUISVILLE GAS AND ELECTRIC COMPANY

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	CALCULATED ANNUAL ACCRUAL RATE (8)=(7)/(4)	COMPOSITE REMAINING LIFE (9)=(6)/(7)		
312.10	BOILER PLANT EQUIPMENT - ASH PONDS									
	MILL CREEK UNIT 1	100-S4	*	0	411,750.29	231,548	180,204	45,051	10.94	4.0
	MILL CREEK UNIT 3	100-S4	*	0	947,826.39	635,948	311,878	207,919	21.94	1.5
	TRIMBLE COUNTY UNIT 1	100-S4	*	0	4,867,827.96	1,858,074	3,009,754	501,626	10.30	6.0
	TRIMBLE COUNTY UNIT 2	100-S4	*	0	5,057,242.50	614,262	4,442,980	1,110,745	21.96	4.0
	<b>TOTAL ACCOUNT 312.1 - BOILER PLANT EQUIPMENT - ASH PONDS</b>				<b>11,284,647.14</b>	<b>3,339,830</b>	<b>7,944,816</b>	<b>1,865,341</b>	<b>16.53</b>	<b>4.3</b>
314.00	TURBOGENERATOR UNITS									
	MILL CREEK UNIT 1	60-R2.5	*	(10)	25,971,344.84	11,394,423	17,174,056	1,234,951	4.76	13.9
	MILL CREEK UNIT 2	60-R2.5	*	(10)	28,261,136.61	12,265,240	18,822,010	1,191,889	4.22	15.8
	MILL CREEK UNIT 3	60-R2.5	*	(10)	34,874,136.89	20,843,142	17,518,409	917,070	2.63	19.1
	MILL CREEK UNIT 4	60-R2.5	*	(10)	55,058,036.33	24,696,491	35,867,549	1,583,295	2.88	22.7
	TRIMBLE COUNTY UNIT 1	60-R2.5	*	(14)	59,537,576.82	30,778,475	37,094,363	1,294,397	2.17	28.7
	TRIMBLE COUNTY UNIT 2	60-R2.5	*	(14)	21,867,018.06	4,789,217	20,253,184	485,677	2.21	41.7
	<b>TOTAL ACCOUNT 314 - TURBOGENERATOR UNITS</b>				<b>225,669,249.55</b>	<b>104,766,988</b>	<b>146,729,371</b>	<b>6,707,279</b>	<b>2.97</b>	<b>21.9</b>
315.00	ACCESSORY ELECTRIC EQUIPMENT									
	MILL CREEK UNIT 1	65-R3	*	(10)	18,582,082.97	11,727,023	8,713,268	615,932	3.31	14.1
	MILL CREEK UNIT 1 SCRUBBER	65-R3	*	(10)	202,167.22	220,362	2,022	147	0.07	13.8
	MILL CREEK UNIT 2	65-R3	*	(10)	13,147,191.98	6,469,036	7,993,905	495,902	3.77	16.1
	MILL CREEK UNIT 2 SCRUBBER	65-R3	*	(10)	2,694,916.35	765,501	2,198,607	133,982	4.97	16.4
	MILL CREEK UNIT 3	65-R3	*	(10)	26,791,012.14	13,984,708	15,485,405	775,355	2.89	20.0
	MILL CREEK UNIT 3 SCRUBBER	65-R3	*	(10)	9,792,181.78	1,349,963	9,421,437	464,826	4.75	20.3
	MILL CREEK UNIT 4	65-R3	*	(10)	31,002,634.31	18,728,455	15,374,443	669,720	2.16	23.0
	MILL CREEK UNIT 4 SCRUBBER	65-R3	*	(10)	1,667,316.89	564,201	1,269,847	52,480	3.15	24.2
	TRIMBLE COUNTY UNIT 1	65-R3	*	(14)	65,098,801.60	30,167,182	44,045,452	1,473,149	2.26	29.9
	TRIMBLE COUNTY UNIT 1 SCRUBBER	65-R3	*	(14)	2,736,920.21	2,395,614	724,475	25,313	0.92	28.6
	TRIMBLE COUNTY UNIT 2	65-R3	*	(14)	10,679,138.16	1,552,448	10,621,770	235,871	2.21	45.0
	<b>TOTAL ACCOUNT 315 - ACCESSORY ELECTRIC EQUIPMENT</b>				<b>182,394,363.41</b>	<b>87,923,593</b>	<b>115,850,831</b>	<b>4,942,687</b>	<b>2.71</b>	<b>23.4</b>
316.00	MISCELLANEOUS PLANT EQUIPMENT									
	RIVERPORT DISTRIBUTION CENTER	45-R2.5	*	(2)	582,917.96	63,737	530,839	14,119	2.42	37.6
	MILL CREEK UNIT 1	45-R2.5	*	(10)	1,036,757.76	560,951	579,463	43,834	4.23	13.2
	MILL CREEK UNIT 2	45-R2.5	*	(10)	141,316.22	90,413	65,035	4,487	3.18	14.5
	MILL CREEK UNIT 3	45-R2.5	*	(10)	347,546.48	334,551	47,750	2,671	0.77	17.9
	MILL CREEK UNIT 4	45-R2.5	*	(10)	10,935,346.35	3,664,057	8,374,824	379,457	3.47	22.1
	MILL CREEK UNIT 4 SCRUBBER	45-R2.5	*	(10)	43,211.57	47,101	432	15	0.04	22.7
	TRIMBLE COUNTY UNIT 1	45-R2.5	*	(14)	3,093,853.20	1,635,209	1,891,784	80,052	2.59	23.6
	TRIMBLE COUNTY UNIT 2	45-R2.5	*	(14)	3,528,603.03	384,869	3,637,738	94,925	2.69	38.3
	<b>TOTAL ACCOUNT 316 - MISCELLANEOUS PLANT EQUIPMENT</b>				<b>19,709,552.57</b>	<b>6,770,888</b>	<b>15,127,885</b>	<b>619,564</b>	<b>3.14</b>	<b>24.4</b>
	<b>TOTAL STEAM PRODUCTION PLANT</b>				<b>2,918,228,777.89</b>	<b>853,513,488</b>	<b>2,389,913,879</b>	<b>114,240,521</b>		

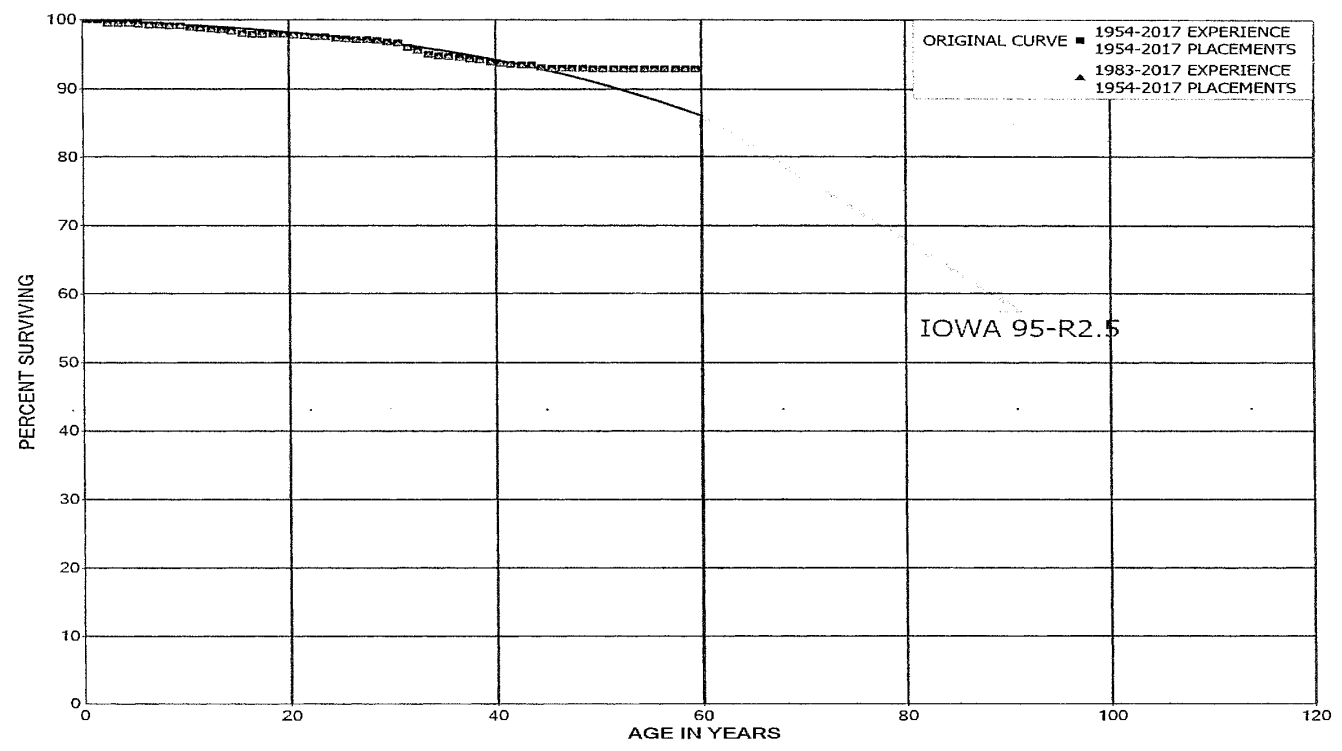
\* LIFE SPAN PROCEDURE IS USED. CURVE SHOWN IS INTERIM SURVIVOR CURVE



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**PART VII. SERVICE LIFE STATISTICS**

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
 ORIGINAL AND SMOOTH SURVIVOR CURVES



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	FCT SURV BEGIN OF INTERVAL
0.0	561,872,240		0.0000	1.0000	100.00
0.5	422,004,684	2,378	0.0000	1.0000	100.00
1.5	408,751,837	2,292,428	0.0056	0.9944	100.00
2.5	379,619,440	6,033	0.0000	1.0000	99.44
3.5	367,922,369	343,352	0.0009	0.9991	99.44
4.5	359,583,939	136,120	0.0004	0.9996	99.34
5.5	359,858,260	554,806	0.0015	0.9985	99.11
6.5	340,560,660	25,433	0.0001	0.9999	99.15
7.5	336,864,517	166,303	0.0005	0.9995	99.15
8.5	335,394,024	115,497	0.0003	0.9997	99.10
9.5	334,016,682	890,814	0.0027	0.9973	99.06
10.5	330,702,903	333,179	0.0010	0.9990	98.80
11.5	328,902,985	420,229	0.0013	0.9987	98.70
12.5	325,404,339	349,658	0.0011	0.9989	98.57
13.5	324,781,685	448,980	0.0014	0.9986	98.47
14.5	321,961,072	1,056,291	0.0033	0.9967	98.33
15.5	319,347,512	573,233	0.0018	0.9982	98.01
16.5	317,089,623	28,724	0.0001	0.9999	97.83
17.5	315,646,193	117,644	0.0004	0.9996	97.82
18.5	313,521,448	13,466	0.0000	1.0000	97.79
19.5	266,619,095	104,731	0.0004	0.9996	97.78
20.5	264,809,698	311,383	0.0012	0.9988	97.74
21.5	263,380,701	242,318	0.0009	0.9991	97.63
22.5	261,296,365	209,903	0.0008	0.9992	97.54
23.5	256,979,710	544,897	0.0021	0.9979	97.46
24.5	252,293,444	343,618	0.0014	0.9986	97.26
25.5	256,544,085	47,649	0.0002	0.9998	97.12
26.5	251,319,915	174,456	0.0007	0.9993	97.10
27.5	148,074,202	159,143	0.0011	0.9989	97.04
28.5	147,987,914	355,792	0.0024	0.9976	96.93
29.5	153,951,061	215,544	0.0014	0.9986	96.70
30.5	146,352,264	923,828	0.0063	0.9937	96.56
31.5	165,702,430	804,907	0.0049	0.9951	95.99
32.5	159,968,682	882,501	0.0055	0.9945	95.49
33.5	117,533,376	346,114	0.0029	0.9971	94.96
34.5	101,219,524	22,276	0.0002	0.9998	94.68
35.5	75,123,120	162,904	0.0022	0.9978	94.66
36.5	72,720,653	168,210	0.0023	0.9977	94.46
37.5	52,400,270	48,803	0.0009	0.9991	94.24
38.5	51,760,331	199,737	0.0039	0.9961	94.15

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1954-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REIMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	50,759,340	71,655	0.0014	0.9986	93.79
40.5	59,773,651	67,352	0.0011	0.9989	93.65
41.5	48,799,713	52,860	0.0011	0.9989	93.55
42.5	37,753,327	28,313	0.0007	0.9993	93.45
43.5	39,565,374	153,984	0.0039	0.9961	93.38
44.5	38,763,831	34,661	0.0009	0.9991	93.01
45.5	25,049,516	367	0.0000	1.0000	92.93
46.5	19,660,184	4,059	0.0002	0.9998	92.93
47.5	17,350,403		0.0000	1.0000	92.91
48.5	18,884,659	12,026	0.0006	0.9994	92.91
49.5	14,777,933	780	0.0001	0.9999	92.85
50.5	12,572,660		0.0000	1.0000	92.85
51.5	14,387,257	520	0.0000	1.0000	92.85
52.5	14,353,696		0.0000	1.0000	92.84
53.5	9,449,870	742	0.0001	0.9999	92.84
54.5	9,449,128		0.0000	1.0000	92.84
55.5	9,448,869		0.0000	1.0000	92.84
56.5	11,398,967		0.0000	1.0000	92.84
57.5	8,011,280		0.0000	1.0000	92.84
58.5	6,058,719		0.0000	1.0000	92.84
59.5	5,183,043		0.0000	1.0000	92.84
60.5	6,822,232		0.0000	1.0000	92.84
61.5	1,639,190		0.0000	1.0000	92.84
62.5					92.84

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
ORIGINAL LIFE TABLE

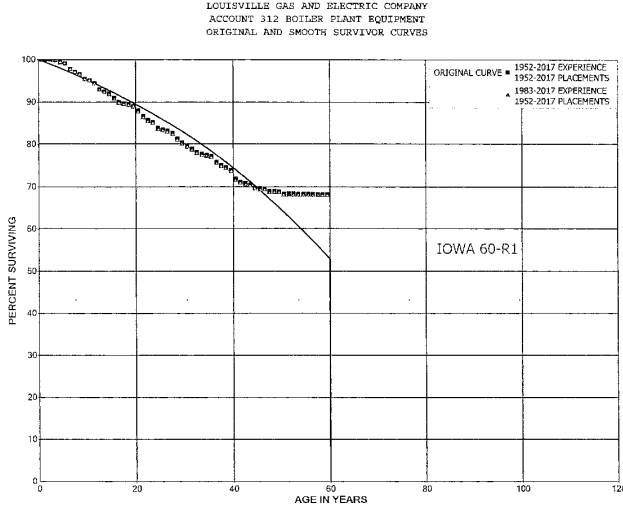
PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	438,246,112		0.0000	1.0000	100.00
0.5	328,815,313	741	0.0000	1.0000	100.00
1.0	324,715,342	2,278,503	0.0070	0.9930	100.00
1.5	300,599,845	1,815	0.0000	1.0000	99.30
2.0	290,260,002	152,674	0.0005	0.9995	99.30
2.5	303,492,513	83,675	0.0003	0.9997	99.25
3.0	305,467,913	544,210	0.0018	0.9982	99.22
3.5	287,022,532	21,553	0.0001	0.9999	99.04
4.0	284,306,059	151,446	0.0005	0.9995	99.03
4.5	293,801,710	92,107	0.0003	0.9997	98.98
5.0	294,250,650	861,173	0.0029	0.9971	98.95
5.5	306,888,467	328,315	0.0011	0.9989	98.66
6.0	305,172,733	406,622	0.0013	0.9987	98.55
6.5	302,925,789	302,386	0.0010	0.9990	98.42
7.0	306,754,668	442,048	0.0014	0.9986	98.32
7.5	303,966,395	960,937	0.0032	0.9968	98.18
8.0	302,181,613	573,233	0.0019	0.9981	97.87
8.5	304,033,417	26,493	0.0001	0.9999	97.69
9.0	302,599,419	115,644	0.0004	0.9996	97.68
9.5	300,499,401	9,508	0.0000	1.0000	97.64
10.0	253,622,616	104,731	0.0004	0.9996	97.64
10.5	255,122,854	310,892	0.0012	0.9988	97.60
11.0	253,695,700	242,318	0.0010	0.9990	97.48
11.5	251,611,623	205,750	0.0008	0.9992	97.39
12.0	247,301,288	544,897	0.0022	0.9978	97.31
12.5	246,024,690	342,525	0.0014	0.9986	97.09
13.0	250,276,719	47,432	0.0002	0.9998	96.96
13.5	247,131,854	172,456	0.0007	0.9993	96.94
14.0	143,888,141	159,143	0.0011	0.9989	96.87
14.5	147,987,914	355,792	0.0024	0.9976	96.76
15.0	153,951,061	215,544	0.0014	0.9986	96.53
15.5	146,352,264	923,828	0.0063	0.9937	96.40
16.0	165,702,430	804,907	0.0049	0.9951	95.79
16.5	159,968,682	882,501	0.0055	0.9945	95.32
17.0	117,533,376	346,114	0.0029	0.9971	94.80
17.5	107,219,524	22,276	0.0002	0.9998	94.52
18.0	75,123,120	162,904	0.0022	0.9978	94.50
18.5	72,720,653	168,210	0.0023	0.9977	94.29
19.0	52,400,270	48,803	0.0009	0.9991	94.07
19.5	51,760,331	199,737	0.0039	0.9961	93.99

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	50,759,340	71,655	0.0014	0.9986	93.62
40.5	59,773,651	67,352	0.0011	0.9989	93.49
41.5	48,799,713	52,860	0.0011	0.9989	93.39
42.5	37,753,327	28,313	0.0007	0.9993	93.28
43.5	39,565,374	153,984	0.0039	0.9961	93.21
44.5	38,763,831	34,661	0.0009	0.9991	92.85
45.5	25,049,516	367	0.0000	1.0000	92.77
46.5	19,660,184	4,059	0.0002	0.9998	92.77
47.5	17,350,403		0.0000	1.0000	92.75
48.5	18,884,659	12,026	0.0006	0.9994	92.75
49.5	14,777,933	780	0.0001	0.9999	92.69
50.5	12,572,660		0.0000	1.0000	92.68
51.5	14,387,257	520	0.0000	1.0000	92.68
52.5	14,353,696		0.0000	1.0000	92.68
53.5	9,449,870	742	0.0001	0.9999	92.68
54.5	9,449,128		0.0000	1.0000	92.67
55.5	9,448,869		0.0000	1.0000	92.67
56.5	11,398,967		0.0000	1.0000	92.67
57.5	8,011,280		0.0000	1.0000	92.67
58.5	6,058,719		0.0000	1.0000	92.67
59.5	5,183,043		0.0000	1.0000	92.67
60.5	6,822,233		0.0000	1.0000	92.67
61.5	1,639,190		0.0000	1.0000	92.67
62.5					92.67



Garrett Fleming  
VIII-7  
Louisville Gas and Electric Company  
December 31, 2017



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1952-2017			EXPERIENCE BAND 1952-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	2,707,403,260		0.0000	1.0000	100.00
0.5	2,786,798,448	480,543	0.0002	0.9998	100.00
1.0	2,496,902,335	459,995	0.0002	0.9998	99.99
1.5	2,034,247,806	2,784,110	0.0014	0.9986	99.96
2.0	1,641,604,797	9,178,033	0.0056	0.9944	99.83
2.5	1,625,713,704	2,461,291	0.0015	0.9985	99.27
3.0	1,597,031,546	23,294,055	0.0146	0.9854	99.12
3.5	1,387,627,088	8,515,928	0.0061	0.9939	97.67
4.0	1,365,575,017	7,947,117	0.0058	0.9942	97.07
4.5	1,346,035,889	15,972,048	0.0119	0.9881	96.51
5.0	1,309,538,234	3,477,128	0.0027	0.9973	95.36
5.5	1,292,455,770	10,006,538	0.0077	0.9923	95.11
6.0	1,141,263,298	17,102,402	0.0150	0.9850	94.37
6.5	1,165,078,871	6,765,447	0.0058	0.9942	92.96
7.0	1,112,424,783	6,108,868	0.0055	0.9945	92.42
7.5	996,543,673	10,532,081	0.0106	0.9894	91.91
8.0	944,208,864	10,067,959	0.0107	0.9893	90.94
8.5	854,087,806	3,264,975	0.0038	0.9962	89.97
9.0	804,655,510	1,806,544	0.0022	0.9978	89.63
9.5	781,911,651	3,020,063	0.0039	0.9961	89.43
10.0	688,102,549	9,050,349	0.0132	0.9868	89.08
10.5	663,038,004	9,839,679	0.0148	0.9852	87.91
11.0	643,227,514	6,834,499	0.0106	0.9894	86.60
11.5	622,421,817	3,445,702	0.0055	0.9945	85.68
12.0	618,425,602	9,729,864	0.0157	0.9843	85.21
12.5	632,438,066	2,383,499	0.0038	0.9962	83.87
13.0	608,517,008	3,113,542	0.0051	0.9949	83.55
13.5	597,073,047	3,745,518	0.0063	0.9937	83.13
14.0	389,549,779	6,354,700	0.0163	0.9837	82.60
14.5	349,643,011	3,670,672	0.0105	0.9895	81.26
15.0	329,365,571	3,059,498	0.0093	0.9907	80.40
15.5	302,955,630	2,466,111	0.0081	0.9919	79.66
16.0	263,863,653	3,964,515	0.0109	0.9891	79.01
16.5	256,028,935	1,764,860	0.0049	0.9951	78.15
17.0	238,534,731	873,288	0.0037	0.9963	77.76
17.5	210,542,217	766,406	0.0036	0.9964	77.48
18.0	145,012,400	2,539,641	0.0175	0.9825	77.20
18.5	131,635,520	1,405,679	0.0107	0.9893	75.84
19.0	77,236,617	453,560	0.0059	0.9941	75.03
19.5	69,454,950	622,220	0.0090	0.9910	74.59

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1952-2017			EXPERIENCE BAND 1952-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,714,895	1,866,440	0.0280	0.9720	73.93
40.5	82,786,523	885,562	0.0107	0.9893	71.86
41.5	64,352,766	238,846	0.0037	0.9963	71.09
42.5	46,664,686	236,847	0.0051	0.9949	70.82
43.5	46,472,660	464,722	0.0100	0.9900	70.47
44.5	45,776,591	91,243	0.0020	0.9980	69.76
45.5	23,628,143	24,448	0.0010	0.9990	69.62
46.5	13,741,476	122,993	0.0090	0.9910	69.55
47.5	13,514,219	5,147	0.0004	0.9996	68.93
48.5	13,045,421	8,777	0.0007	0.9993	68.90
49.5	7,581,647	52,002	0.0069	0.9931	68.85
50.5	7,572,305	279	0.0000	1.0000	68.38
51.5	7,572,026	785	0.0001	0.9999	68.38
52.5	7,571,240	6,004	0.0008	0.9992	68.37
53.5	1,511,128		0.0000	1.0000	68.32
54.5	1,495,372	561	0.0004	0.9996	68.32
55.5	1,494,811		0.0000	1.0000	68.29
56.5	1,494,811	1,471	0.0010	0.9990	68.29
57.5	985,103		0.0000	1.0000	68.23
58.5	985,103		0.0000	1.0000	68.23
59.5	865,017		0.0000	1.0000	68.23
60.5	865,017		0.0000	1.0000	68.23
61.5					68.23

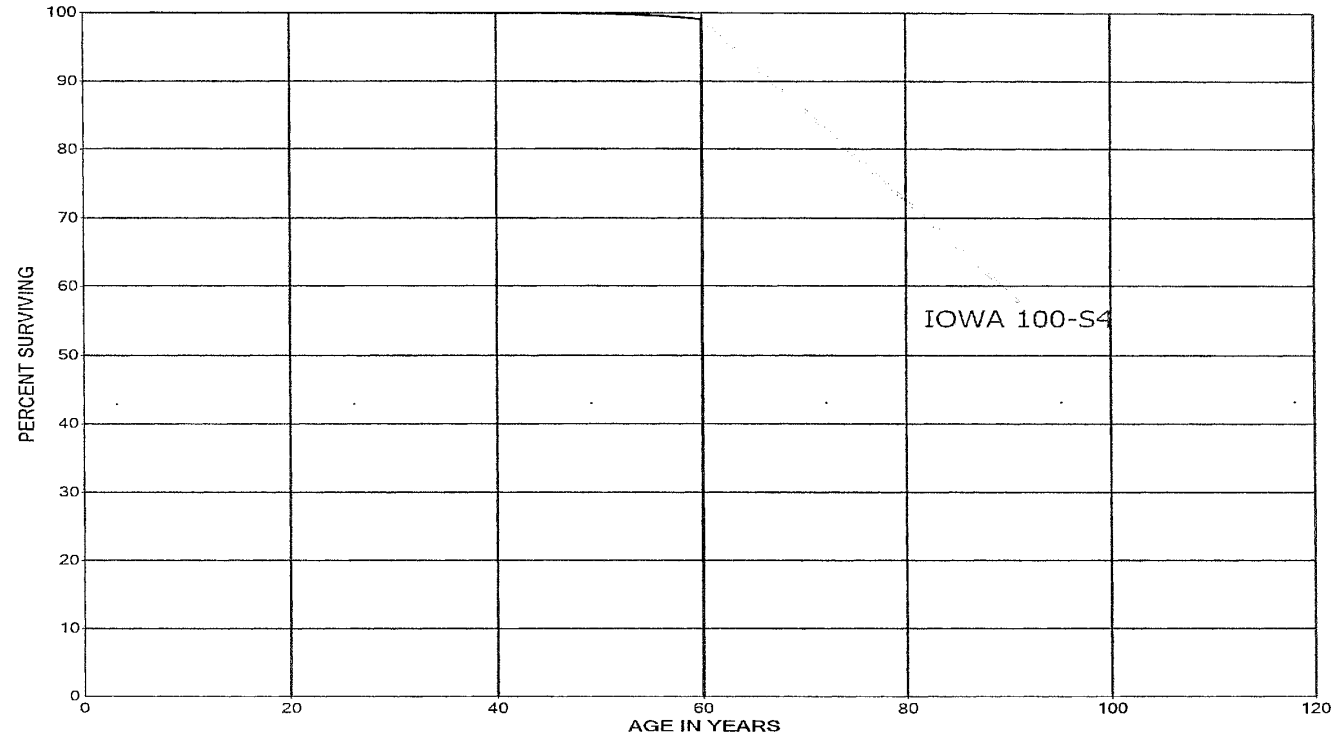
LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1952-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	2,342,384,105		0.0000	1.0000	100.00
0.5	2,539,836,114	480,091	0.0002	0.9998	100.00
1.5	2,282,939,329	455,315	0.0002	0.9998	99.98
2.5	1,848,098,592	2,763,663	0.0015	0.9985	99.96
3.5	1,457,222,565	7,959,487	0.0055	0.9945	99.81
4.5	1,510,194,596	2,428,865	0.0016	0.9984	99.27
5.5	1,490,372,937	23,108,720	0.0155	0.9845	99.11
6.5	1,288,359,669	8,180,300	0.0063	0.9937	97.57
7.5	1,267,598,995	7,357,353	0.0058	0.9942	96.95
8.5	1,270,068,031	15,869,461	0.0125	0.9875	96.39
9.5	1,234,179,031	3,312,061	0.0027	0.9973	95.18
10.5	1,243,527,076	9,948,030	0.0080	0.9920	94.93
11.5	1,092,532,426	17,011,795	0.0156	0.9844	94.17
12.5	1,117,288,154	6,703,994	0.0060	0.9940	92.70
13.5	1,079,746,565	5,844,741	0.0054	0.9946	92.15
14.5	962,717,703	10,444,170	0.0108	0.9852	91.65
15.5	911,185,667	10,037,467	0.0110	0.9850	90.65
16.5	829,695,245	3,228,593	0.0039	0.9961	89.65
17.5	780,310,791	1,806,544	0.0023	0.9977	89.30
18.5	757,829,447	3,012,855	0.0040	0.9960	89.10
19.5	664,068,002	9,035,445	0.0136	0.9864	88.74
20.5	646,762,999	9,775,743	0.0151	0.9849	87.54
21.5	627,052,202	6,826,696	0.0109	0.9891	86.21
22.5	606,263,511	3,438,644	0.0057	0.9943	85.27
23.5	602,322,517	9,729,864	0.0162	0.9838	84.79
24.5	622,207,323	2,383,499	0.0038	0.9962	83.42
25.5	598,330,614	3,101,829	0.0052	0.9948	83.10
26.5	591,734,975	3,738,271	0.0063	0.9937	82.67
27.5	384,218,954	6,351,743	0.0165	0.9835	82.15
28.5	349,603,011	3,670,672	0.0105	0.9895	80.79
29.5	329,325,571	3,059,498	0.0093	0.9907	79.94
30.5	302,955,630	2,466,111	0.0081	0.9919	79.20
31.5	363,863,653	3,964,515	0.0109	0.9891	78.55
32.5	358,028,935	1,764,860	0.0049	0.9951	77.70
33.5	238,534,731	873,288	0.0037	0.9963	77.32
34.5	210,542,217	766,406	0.0036	0.9964	77.03
35.5	145,032,400	2,539,641	0.0175	0.9825	76.75
36.5	131,635,520	1,405,679	0.0107	0.9893	75.41
37.5	77,236,617	453,560	0.0059	0.9941	74.60
38.5	69,454,950	622,220	0.0090	0.9910	74.16

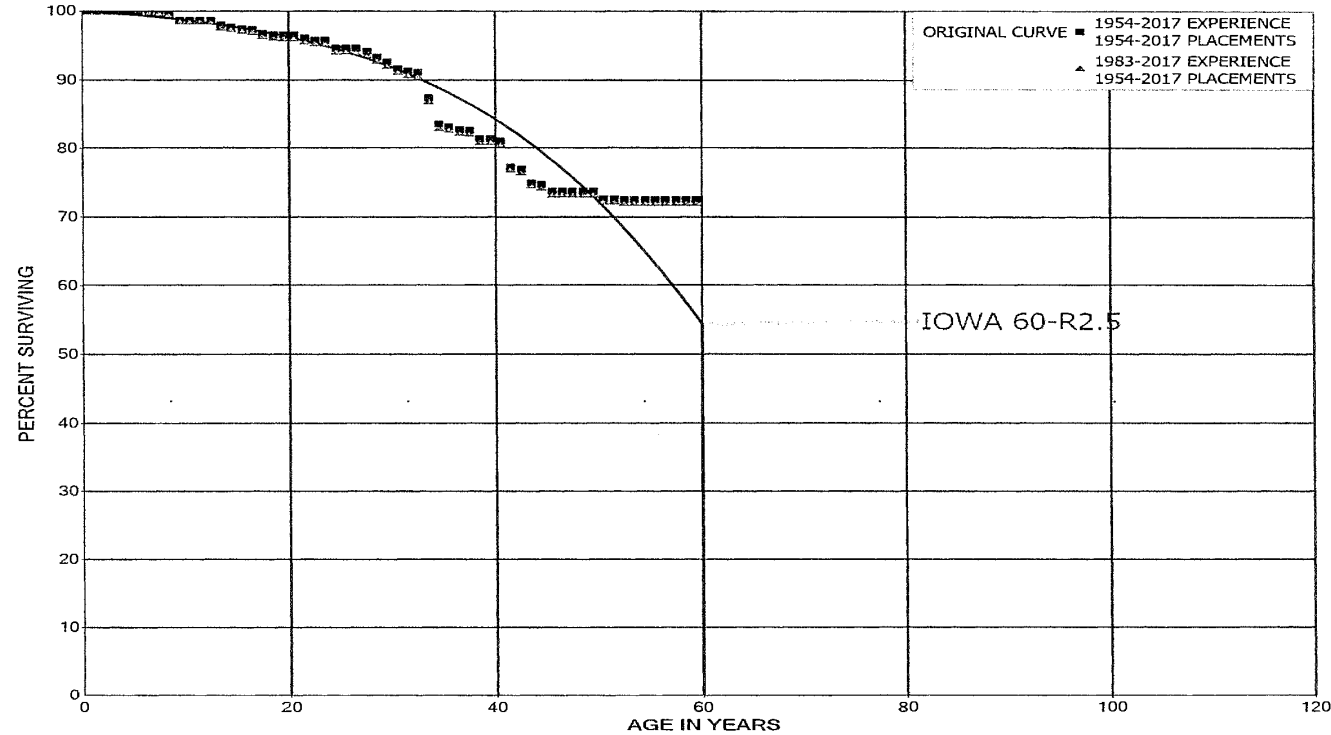
LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1952-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,714,895	1,866,440	0.0280	0.9720	73.50
40.5	82,786,523	885,562	0.0107	0.9893	71.44
41.5	64,352,766	238,846	0.0037	0.9963	70.68
42.5	46,664,686	236,847	0.0051	0.9949	70.42
43.5	46,472,660	464,722	0.0100	0.9900	70.06
44.5	45,776,591	91,243	0.0020	0.9980	69.36
45.5	23,628,143	24,448	0.0010	0.9990	69.22
46.5	13,741,476	122,993	0.0090	0.9910	69.15
47.5	13,514,219	5,147	0.0004	0.9996	68.53
48.5	13,045,421	8,777	0.0007	0.9993	68.50
49.5	7,581,647	52,002	0.0069	0.9931	68.46
50.5	7,572,305	279	0.0000	1.0000	67.99
51.5	7,572,026	785	0.0001	0.9999	67.99
52.5	7,571,240	6,004	0.0008	0.9992	67.98
53.5	1,511,128		0.0000	1.0000	67.93
54.5	1,495,372	561	0.0004	0.9996	67.93
55.5	1,494,811		0.0000	1.0000	67.90
56.5	1,494,811	1,471	0.0010	0.9990	67.90
57.5	985,103		0.0000	1.0000	67.83
58.5	985,103		0.0000	1.0000	67.83
59.5	865,017		0.0000	1.0000	67.83
60.5	865,017		0.0000	1.0000	67.83
61.5					67.83

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS  
SMOOTH SURVIVOR CURVE



LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 314 TURBOGENERATOR UNITS  
 ORIGINAL AND SMOOTH SURVIVOR CURVES



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	324,465,122		0.0000	1.0000	100.00
0.5	321,442,753		0.0000	1.0000	100.00
1.5	320,172,085	80,613	0.0003	0.9997	100.00
2.5	302,346,521		0.0000	1.0000	99.97
3.5	285,007,567	7,908	0.0000	1.0000	99.97
4.5	275,038,355	81,235	0.0003	0.9997	99.97
5.5	263,816,397	649,485	0.0025	0.9975	99.94
6.5	239,302,171	239,951	0.0010	0.9990	99.70
7.5	225,390,056	276,808	0.0012	0.9988	99.60
8.5	238,942,165	2,084,160	0.0087	0.9913	99.47
9.5	232,416,743	9,300	0.0000	1.0000	98.61
10.5	216,941,493	12,000	0.0001	0.9999	98.60
11.5	214,968,633	26,735	0.0001	0.9999	98.60
12.5	207,738,776	1,447,108	0.0070	0.9930	98.58
13.5	205,143,229	563,930	0.0027	0.9973	97.90
14.5	202,356,885	416,559	0.0021	0.9979	97.63
15.5	199,378,557	376,332	0.0019	0.9981	97.43
16.5	196,906,452	975,050	0.0050	0.9950	97.24
17.5	195,843,641	463,230	0.0024	0.9976	96.76
18.5	173,523,090	77,984	0.0004	0.9996	96.53
19.5	166,929,977	27,206	0.0002	0.9998	96.49
20.5	164,758,392	764,781	0.0046	0.9954	96.47
21.5	166,497,687	429,680	0.0026	0.9974	96.03
22.5	166,234,970	143,253	0.0009	0.9991	95.78
23.5	166,531,081	1,846,543	0.0111	0.9889	95.70
24.5	160,365,696	21,006	0.0001	0.9999	94.64
25.5	159,361,227	74,875	0.0005	0.9995	94.62
26.5	157,013,646	698,722	0.0045	0.9955	94.58
27.5	112,990,044	989,623	0.0088	0.9912	94.16
28.5	111,965,622	925,378	0.0083	0.9917	93.33
29.5	107,064,910	1,044,725	0.0098	0.9902	92.56
30.5	105,922,634	455,230	0.0043	0.9957	91.66
31.5	128,848,366	277,652	0.0022	0.9978	91.26
32.5	128,039,838	5,159,144	0.0403	0.9597	91.07
33.5	89,284,970	4,030,531	0.0451	0.9549	87.40
34.5	85,241,172	253,886	0.0030	0.9970	83.45
35.5	66,460,996	365,931	0.0055	0.9945	83.20
36.5	57,742,285	97,824	0.0017	0.9983	82.75
37.5	44,695,374	667,693	0.0149	0.9851	82.61
38.5	44,027,084		0.0000	1.0000	81.37



LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 314 TURBOGENERATOR UNITS  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1954-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	41,730,465	163,243	0.0039	0.9961	81.37
40.5	51,543,789	2,365,992	0.0459	0.9541	81.05
41.5	40,191,354	219,895	0.0055	0.9945	77.33
42.5	29,949,592	758,365	0.0253	0.9747	76.91
43.5	28,052,309	97,844	0.0035	0.9965	74.96
44.5	27,897,125	377,326	0.0135	0.9865	74.70
45.5	17,954,759		0.0000	1.0000	73.69
46.5	11,406,916	2,639	0.0002	0.9998	73.69
47.5	11,404,278		0.0000	1.0000	73.67
48.5	11,403,622		0.0000	1.0000	73.67
49.5	6,081,646	84,973	0.0140	0.9860	73.67
50.5	6,039,903		0.0000	1.0000	72.64
51.5	6,038,207	14,204	0.0024	0.9976	72.64
52.5	6,010,646		0.0000	1.0000	72.47
53.5	686,900		0.0000	1.0000	72.47
54.5	686,900		0.0000	1.0000	72.47
55.5	686,900		0.0000	1.0000	72.47
56.5	686,900		0.0000	1.0000	72.47
57.5	119,080		0.0000	1.0000	72.47
58.5	119,080		0.0000	1.0000	72.47
59.5	105,161		0.0000	1.0000	72.47
60.5	105,161		0.0000	1.0000	72.47
61.5					72.47

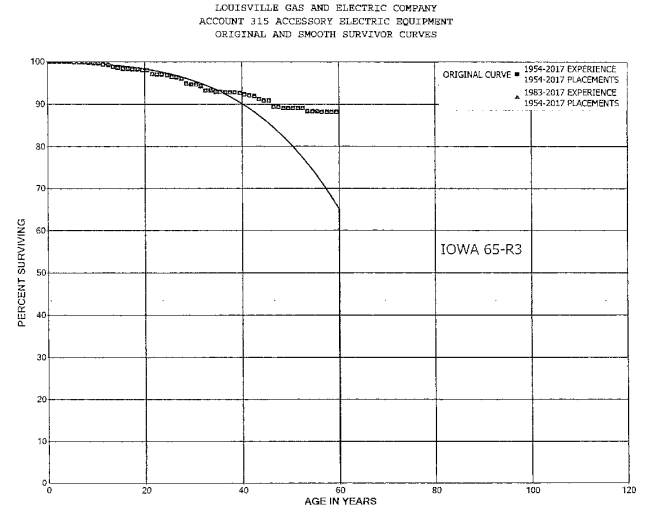
LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	206,231,210		0.0000	1.0000	100.00
0.5	238,780,231		0.0000	1.0000	100.00
1.5	237,561,182	80,613	0.0003	0.9997	100.00
2.5	219,736,293		0.0000	1.0000	99.97
3.5	212,517,674	7,393	0.0000	1.0000	99.97
4.5	217,298,623	80,885	0.0004	0.9996	99.96
5.5	206,138,930	647,208	0.0031	0.9969	99.93
6.5	181,632,394	236,900	0.0013	0.9987	99.61
7.5	167,886,886	271,634	0.0016	0.9984	99.48
8.5	195,225,857	2,064,160	0.0106	0.9894	99.32
9.5	188,752,140	5,000	0.0000	1.0000	98.27
10.5	184,794,813	12,000	0.0001	0.9999	98.27
11.5	182,879,293	24,908	0.0001	0.9999	98.26
12.5	175,671,545	1,446,525	0.0082	0.9918	98.25
13.5	181,255,481	563,930	0.0031	0.9969	97.44
14.5	178,469,137	403,559	0.0023	0.9977	97.14
15.5	175,510,366	376,332	0.0021	0.9979	96.92
16.5	178,677,070	975,050	0.0055	0.9945	96.71
17.5	177,777,699	463,230	0.0026	0.9974	96.18
18.5	155,459,561	77,984	0.0005	0.9995	95.93
19.5	148,880,109	24,446	0.0002	0.9998	95.88
20.5	152,424,605	764,781	0.0050	0.9950	95.87
21.5	154,363,900	414,680	0.0027	0.9973	95.39
22.5	153,955,417	143,251	0.0009	0.9991	95.13
23.5	154,251,528	1,843,230	0.0119	0.9881	95.04
24.5	152,874,000	21,006	0.0001	0.9999	93.90
25.5	151,869,531	66,171	0.0004	0.9996	93.89
26.5	153,365,215	698,722	0.0046	0.9954	93.85
27.5	109,341,613	989,623	0.0091	0.9909	93.42
28.5	111,965,622	925,378	0.0083	0.9917	92.58
29.5	107,064,910	1,044,725	0.0098	0.9902	91.81
30.5	105,922,634	455,230	0.0043	0.9957	90.92
31.5	128,848,366	277,652	0.0022	0.9978	90.53
32.5	128,039,838	5,159,144	0.0403	0.9597	89.33
33.5	89,284,970	4,030,531	0.0451	0.9549	86.69
34.5	85,241,172	253,886	0.0030	0.9970	82.78
35.5	66,460,996	365,931	0.0055	0.9945	82.53
36.5	57,742,285	97,824	0.0017	0.9983	82.08
37.5	44,695,374	667,693	0.0149	0.9851	81.94
38.5	44,027,084		0.0000	1.0000	80.71

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	41,730,465	163,243	0.0039	0.9961	80.71	
40.5	51,543,789	2,365,992	0.0459	0.9541	80.40	
41.5	40,191,354	219,895	0.0055	0.9945	76.71	
42.5	29,949,592	758,365	0.0253	0.9747	76.29	
43.5	28,052,309	97,844	0.0035	0.9965	74.36	
44.5	27,897,125	377,326	0.0135	0.9865	74.10	
45.5	17,954,759		0.0000	1.0000	73.09	
46.5	11,406,916	2,639	0.0002	0.9998	73.09	
47.5	11,404,278		0.0000	1.0000	73.08	
48.5	11,403,622		0.0000	1.0000	73.08	
49.5	6,081,646	84,973	0.0140	0.9860	73.08	
50.5	6,039,903		0.0000	1.0000	72.06	
51.5	6,038,207	14,204	0.0024	0.9976	72.06	
52.5	6,010,646		0.0000	1.0000	71.89	
53.5	686,900		0.0000	1.0000	71.89	
54.5	686,900		0.0000	1.0000	71.89	
55.5	686,900		0.0000	1.0000	71.89	
56.5	686,900		0.0000	1.0000	71.89	
57.5	119,080		0.0000	1.0000	71.89	
58.5	119,080		0.0000	1.0000	71.89	
59.5	105,161		0.0000	1.0000	71.89	
60.5	105,161		0.0000	1.0000	71.89	
61.5					71.89	

Garrett Fleming  
VII-18  
Louisville Gas and Electric Company  
December 3, 2013



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1954-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	244,804,240		0.0000	1.0000	100.00
0.5	242,771,960	298	0.0000	1.0000	100.00
1.0	217,683,499	2,203	0.0000	1.0000	100.00
1.5	191,841,217	45,128	0.0002	0.9998	100.00
2.0	184,708,738	146,919	0.0008	0.9992	99.98
2.5	184,949,470	35,225	0.0002	0.9998	99.90
3.0	182,179,576	110,294	0.0006	0.9994	99.88
3.5	171,553,573	33,426	0.0002	0.9998	99.82
4.0	171,827,575	76,726	0.0004	0.9996	99.80
4.5	171,110,027	155,507	-0.0009	0.9991	99.75
5.0	172,040,461	25,524	0.0001	0.9999	99.66
5.5	171,753,134	627,461	0.0037	0.9963	99.65
6.0	170,885,459	142,581	0.0008	0.9992	99.28
6.5	170,486,420	763,699	0.0044	0.9956	99.20
7.0	170,635,690	385,262	0.0023	0.9977	98.77
7.5	170,403,883	403,792	0.0024	0.9976	98.54
8.0	171,152,648	101,392	0.0006	0.9994	98.31
8.5	170,423,057	174,666	0.0010	0.9990	98.25
9.0	159,832,153	31,390	0.0002	0.9998	98.15
9.5	150,234,924	261,684	0.0017	0.9983	98.13
10.0	137,075,168	22,428	0.0002	0.9998	97.96
10.5	134,267,805	1,139,752	0.0085	0.9915	97.95
11.0	133,153,573	160,604	0.0012	0.9988	97.11
11.5	132,157,715	70,910	0.0005	0.9995	97.00
12.0	127,622,354	299,331	0.0023	0.9977	96.94
12.5	126,114,214	463,342	0.0037	0.9963	96.72
13.0	126,648,924	38,689	0.0003	0.9997	96.36
13.5	127,266,160	479,074	0.0038	0.9962	96.33
14.0	80,142,525	922,930	0.0115	0.9885	95.97
14.5	79,408,524	180,618	0.0023	0.9977	94.86
15.0	79,548,168	15,097	0.0002	0.9998	94.65
15.5	79,392,955	350,347	0.0044	0.9956	94.63
16.0	93,392,413	1,030,494	0.0110	0.9890	94.21
16.5	91,838,075	48,886	0.0005	0.9995	93.17
17.0	67,761,230	174,945	0.0026	0.9974	93.12
17.5	60,041,813	49,609	0.0008	0.9992	92.88
18.0	39,249,588	13,132	0.0003	0.9997	92.81
18.5	35,407,211	23,441	0.0007	0.9993	92.78
19.0	21,803,473		0.0000	1.0000	92.71
19.5	20,568,393	19,693	0.0010	0.9990	92.71

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1954-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	19,583,717	67,907	0.0035	0.9965	92.63
40.5	23,157,622	61,581	0.0027	0.9973	92.30
41.5	19,331,225	54,105	0.0028	0.9972	92.06
42.5	13,693,773	91,521	0.0066	0.9934	91.80
43.5	13,197,572	50,739	0.0038	0.9962	91.20
44.5	13,135,696	4,700	0.0004	0.9996	90.85
45.5	8,766,294	142,139	0.0162	0.9838	90.81
46.5	6,853,073		0.0000	1.0000	89.34
47.5	6,826,685	24,111	0.0035	0.9965	89.34
48.5	6,507,783	14	0.0000	1.0000	89.03
49.5	5,361,890	784	0.0001	0.9999	89.03
50.5	5,351,626		0.0000	1.0000	89.01
51.5	5,019,222		0.0000	1.0000	89.01
52.5	5,017,566	39,155	0.0078	0.9922	89.01
53.5	3,779,505		0.0000	1.0000	88.32
54.5	3,778,777		0.0000	1.0000	88.32
55.5	3,777,980	7,356	0.0019	0.9981	88.32
56.5	3,770,124		0.0000	1.0000	88.15
57.5	3,010,822		0.0000	1.0000	88.15
58.5	3,010,307		0.0000	1.0000	88.15
59.5	1,777,553		0.0000	1.0000	88.15
60.5	1,776,132		0.0000	1.0000	88.15
61.5					88.15

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

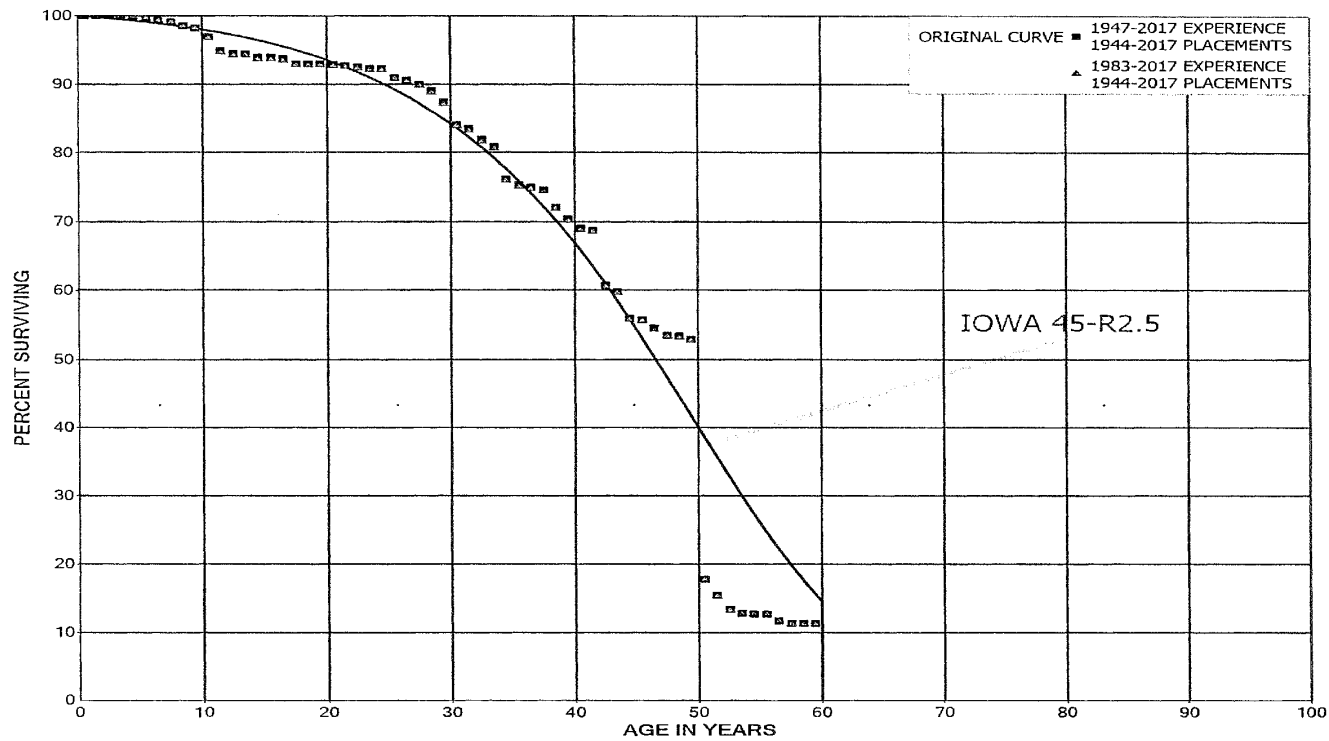
PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	168,711,841		0.0000	1.0000	100.00
0.5	188,887,780		0.0000	1.0000	100.00
1.5	171,029,352		0.0000	1.0000	100.00
2.5	152,292,352	9,990	0.0001	0.9999	100.00
3.5	145,411,591	139,025	0.0010	0.9990	99.99
4.5	159,452,943	26,346	0.0002	0.9998	99.90
5.5	157,948,762	48,969	0.0003	0.9997	99.88
6.5	148,972,884	32,001	0.0002	0.9998	99.85
7.5	149,733,580	8,046	0.0001	0.9999	99.83
8.5	153,989,438	152,241	0.0010	0.9990	99.82
9.5	155,168,564	22,970	0.0001	0.9999	99.72
10.5	160,756,184	623,978	0.0039	0.9961	99.71
11.5	159,903,130	138,751	0.0009	0.9991	99.32
12.5	159,530,922	743,699	0.0047	0.9953	99.24
13.5	162,225,403	385,262	0.0024	0.9976	98.77
14.5	162,067,467	401,852	0.0025	0.9975	98.54
15.5	163,161,950	96,947	0.0006	0.9994	98.30
16.5	164,008,960	172,466	0.0011	0.9989	98.24
17.5	153,431,168	11,418	0.0001	0.9999	98.13
18.5	143,885,967	239,303	0.0017	0.9983	98.13
19.5	130,750,248	17,890	0.0001	0.9999	97.96
20.5	129,182,497	1,129,337	0.0087	0.9913	97.95
21.5	128,085,352	160,604	0.0013	0.9987	97.09
22.5	127,118,785	70,910	0.0006	0.9994	96.97
23.5	122,583,923	299,331	0.0024	0.9976	96.92
24.5	122,064,097	463,342	0.0038	0.9962	96.68
25.5	122,599,321	38,689	0.0003	0.9997	96.31
26.5	125,010,393	479,074	0.0038	0.9962	96.28
27.5	77,888,179	922,686	0.0118	0.9882	95.91
28.5	79,408,524	180,618	0.0023	0.9977	94.78
29.5	79,548,168	15,097	0.0002	0.9998	94.56
30.5	79,392,955	350,347	0.0044	0.9956	94.54
31.5	93,392,413	1,030,494	0.0110	0.9890	94.13
32.5	91,838,075	48,886	0.0005	0.9995	93.09
33.5	67,761,230	174,945	0.0026	0.9974	93.04
34.5	60,041,813	49,609	0.0008	0.9992	92.80
35.5	39,245,588	13,132	0.0003	0.9997	92.72
36.5	35,407,211	23,441	0.0007	0.9993	92.69
37.5	21,803,473		0.0000	1.0000	92.63
38.5	20,568,393	19,693	0.0010	0.9990	92.63

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	19,583,717	67,907	0.0035	0.9965	92.54
40.5	23,157,622	61,581	0.0027	0.9973	92.22
41.5	19,331,225	54,105	0.0028	0.9972	91.98
42.5	13,693,773	91,521	0.0066	0.9934	91.72
43.5	13,197,572	50,739	0.0038	0.9962	91.11
44.5	13,135,696	4,700	0.0004	0.9996	90.76
45.5	8,765,294	142,139	0.0162	0.9838	90.73
46.5	6,853,073		0.0000	1.0000	89.26
47.5	6,826,685	24,111	0.0035	0.9965	89.26
48.5	6,507,783	14	0.0000	1.0000	88.94
49.5	5,361,890	784	0.0001	0.9999	88.94
50.5	5,351,626		0.0000	1.0000	88.93
51.5	5,019,222		0.0000	1.0000	88.93
52.5	5,017,566	39,155	0.0078	0.9922	88.93
53.5	3,779,505		0.0000	1.0000	88.24
54.5	3,778,777		0.0000	1.0000	88.24
55.5	3,777,980	7,356	0.0019	0.9981	88.24
56.5	3,770,124		0.0000	1.0000	88.07
57.5	3,010,822		0.0000	1.0000	88.07
58.5	3,010,307		0.0000	1.0000	88.07
59.5	1,777,553		0.0000	1.0000	88.07
60.5	1,776,132		0.0000	1.0000	88.07
61.5					88.07



LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
 ORIGINAL AND SMOOTH SURVIVOR CURVES



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1944-2017			EXPERIENCE BAND 1947-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	25,606,433		0.0000	1.0000	100.00
0.5	23,449,651	677	0.0000	1.0000	100.00
1.5	22,742,532	2,120	0.0001	0.9999	100.00
2.5	22,033,998	8,003	0.0004	0.9996	99.99
3.5	19,689,372	16,984	0.0009	0.9991	99.95
4.5	18,199,357	53,501	0.0029	0.9971	99.87
5.5	17,943,293	47,151	0.0026	0.9974	99.57
6.5	15,301,466	36,381	0.0024	0.9976	99.31
7.5	14,236,241	78,162	0.0055	0.9945	99.07
8.5	13,526,831	42,779	0.0032	0.9968	98.53
9.5	13,114,929	171,050	0.0130	0.9870	98.22
10.5	12,199,852	250,426	0.0205	0.9795	96.94
11.5	11,162,508	49,169	0.0044	0.9956	94.95
12.5	11,021,319	10,569	0.0010	0.9990	94.53
13.5	11,033,378	59,572	0.0054	0.9946	94.44
14.5	10,178,590	1,701	0.0002	0.9998	93.93
15.5	9,716,552	21,657	0.0022	0.9978	93.91
16.5	9,220,848	70,908	0.0077	0.9923	93.70
17.5	8,846,541	2,730	0.0003	0.9997	92.98
18.5	8,097,719	1,595	0.0002	0.9998	92.95
19.5	7,805,381	9,507	0.0012	0.9988	92.94
20.5	7,495,233	5,560	0.0007	0.9993	92.82
21.5	7,142,077	21,184	0.0030	0.9970	92.75
22.5	6,669,099	11,649	0.0017	0.9983	92.48
23.5	6,304,898	1	0.0000	1.0000	92.32
24.5	5,950,420	85,520	0.0144	0.9856	92.32
25.5	5,627,219	22,195	0.0039	0.9961	90.99
26.5	4,600,598	31,595	0.0069	0.9931	90.63
27.5	2,785,994	28,437	0.0102	0.9898	90.01
28.5	2,644,496	49,674	0.0188	0.9812	89.09
29.5	2,436,080	92,039	0.0378	0.9622	87.42
30.5	2,199,934	16,848	0.0077	0.9923	84.11
31.5	1,940,772	35,692	0.0184	0.9816	83.47
32.5	1,836,909	22,609	0.0123	0.9877	81.94
33.5	1,648,336	96,562	0.0586	0.9414	80.93
34.5	1,427,499	15,297	0.0107	0.9893	76.19
35.5	1,381,445	5,601	0.0041	0.9959	75.37
36.5	1,309,084	7,097	0.0054	0.9946	75.06
37.5	1,256,915	42,800	0.0341	0.9659	74.66
38.5	1,176,347	28,818	0.0245	0.9755	72.11

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1944-2017			EXPERIENCE BAND 1947-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	898,521	16,823	0.0187	0.9813	70.35
40.5	846,796	3,802	0.0045	0.9955	69.03
41.5	801,188	93,212	0.1163	0.8837	68.72
42.5	679,520	9,738	0.0143	0.9857	60.73
43.5	633,248	40,974	0.0647	0.9353	59.86
44.5	522,935	1,904	0.0036	0.9964	55.98
45.5	195,523	4,501	0.0230	0.9770	55.78
46.5	190,353	3,272	0.0172	0.9828	54.49
47.5	187,081	485	0.0026	0.9974	53.56
48.5	186,596	1,799	0.0096	0.9904	53.42
49.5	184,798	122,826	0.6647	0.3353	52.90
50.5	61,972	8,187	0.1321	0.8679	17.74
51.5	53,784	7,531	0.1400	0.8600	15.40
52.5	46,254	1,724	0.0373	0.9627	13.24
53.5	44,530	323	0.0073	0.9927	12.75
54.5	44,207		0.0000	1.0000	12.66
55.5	43,278	3,518	0.0813	0.9187	12.66
56.5	39,760	1,288	0.0324	0.9676	11.63
57.5	38,472		0.0000	1.0000	11.25
58.5	38,270		0.0000	1.0000	11.25
59.5	37,214		0.0000	1.0000	11.25
60.5	29,806		0.0000	1.0000	11.25
61.5	29,104		0.0000	1.0000	11.25
62.5	28,982		0.0000	1.0000	11.25
63.5	28,982		0.0000	1.0000	11.25
64.5	28,871		0.0000	1.0000	11.25
65.5	20,131		0.0000	1.0000	11.25
66.5	3,223		0.0000	1.0000	11.25
67.5	1,634		0.0000	1.0000	11.25
68.5	277		0.0000	1.0000	11.25
69.5	277		0.0000	1.0000	11.25
70.5	277		0.0000	1.0000	11.25
71.5					11.25

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1944-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RTMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	23,110,214		0.0000	1.0000	100.00
0.5	21,401,848		0.0000	1.0000	100.00
1.5	20,889,711		0.0000	1.0000	100.00
2.5	20,273,809	7,218	0.0004	0.9996	100.00
3.5	17,987,979	16,306	0.0009	0.9991	99.96
4.5	16,793,057	51,430	0.0031	0.9969	99.87
5.5	16,588,877	45,894	0.0028	0.9972	99.57
6.5	13,956,939	32,962	0.0024	0.9976	99.29
7.5	12,916,752	75,236	0.0058	0.9942	99.06
8.5	12,282,707	39,234	0.0032	0.9968	98.48
9.5	11,980,818	170,665	0.0142	0.9858	98.17
10.5	11,486,714	250,426	0.0218	0.9782	96.77
11.5	10,492,850	49,169	0.0047	0.9953	94.66
12.5	10,377,627	10,199	0.0010	0.9990	94.21
13.5	10,413,326	53,523	0.0051	0.9949	94.12
14.5	9,584,186	1,701	0.0002	0.9998	93.64
15.5	9,160,044	21,106	0.0023	0.9977	93.62
16.5	8,770,665	64,901	0.0074	0.9926	93.41
17.5	8,404,157		0.0000	1.0000	92.71
18.5	7,674,439	624	0.0001	0.9999	92.71
19.5	7,392,279	9,255	0.0013	0.9987	92.71
20.5	7,154,137	5,560	0.0008	0.9992	92.59
21.5	6,806,689	21,184	0.0031	0.9969	92.52
22.5	6,336,670	11,649	0.0018	0.9982	92.23
23.5	5,972,999	1	0.0000	1.0000	92.06
24.5	5,664,417	78,020	0.0138	0.9862	92.06
25.5	5,348,716	22,195	0.0041	0.9959	90.79
26.5	4,342,198	31,595	0.0073	0.9927	90.42
27.5	2,528,162	28,437	0.0112	0.9888	89.76
28.5	2,644,296	49,674	0.0188	0.9812	88.75
29.5	2,435,880	92,039	0.0378	0.9622	87.08
30.5	2,199,734	16,848	0.0077	0.9923	83.79
31.5	1,940,572	35,692	0.0184	0.9816	83.15
32.5	1,836,709	22,609	0.0123	0.9877	81.62
33.5	1,648,136	96,562	0.0586	0.9414	80.62
34.5	1,427,299	15,297	0.0107	0.9893	75.89
35.5	1,381,445	5,601	0.0041	0.9959	75.08
36.5	1,309,084	7,097	0.0054	0.9946	74.78
37.5	1,256,915	42,800	0.0341	0.9659	74.37
38.5	1,176,347	28,818	0.0245	0.9755	71.84

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1944-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	898,521	16,823	0.0187	0.9813	70.08
40.5	846,796	3,802	0.0045	0.9955	68.77
41.5	801,188	93,212	0.1163	0.8837	68.46
42.5	679,520	9,738	0.0143	0.9857	60.49
43.5	633,248	40,974	0.0647	0.9353	59.63
44.5	522,935	1,904	0.0036	0.9964	55.77
45.5	195,523	4,501	0.0230	0.9770	55.56
46.5	190,353	3,272	0.0172	0.9828	54.29
47.5	187,081	485	0.0026	0.9974	53.35
48.5	186,596	1,799	0.0096	0.9904	53.21
49.5	184,798	122,826	0.6647	0.3353	52.70
50.5	61,972	8,187	0.1321	0.8679	17.67
51.5	53,784	7,531	0.1400	0.8600	15.34
52.5	46,254	1,724	0.0373	0.9627	13.19
53.5	44,530	323	0.0073	0.9927	12.70
54.5	44,207		0.0000	1.0000	12.61
55.5	43,278	3,518	0.0813	0.9187	12.61
56.5	39,760	1,288	0.0324	0.9676	11.58
57.5	38,472		0.0000	1.0000	11.21
58.5	38,270		0.0000	1.0000	11.21
59.5	37,214		0.0000	1.0000	11.21
60.5	29,806		0.0000	1.0000	11.21
61.5	29,104		0.0000	1.0000	11.21
62.5	28,982		0.0000	1.0000	11.21
63.5	28,982		0.0000	1.0000	11.21
64.5	28,871		0.0000	1.0000	11.21
65.5	20,131		0.0000	1.0000	11.21
66.5	3,223		0.0000	1.0000	11.21
67.5	1,634		0.0000	1.0000	11.21
68.5	277		0.0000	1.0000	11.21
69.5	277		0.0000	1.0000	11.21
70.5	277		0.0000	1.0000	11.21
71.5					11.21



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**PART VIII. NET SALVAGE STATISTICS**

LOUISVILLE GAS AND ELECTRIC COMPANY  
 TABLE 8. CALCULATION OF WEIGHTED NET BALANCE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017

Account	Estimated Equipment		Net Salvage	Net Salvage		Net Salvage		Total	Total	Debit or Credit
	Cost	Net Salvage		Cost	Net Salvage	Cost	Net Salvage			
	(\$)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
STEAM PRODUCTION PLANT										
016 GAS FURNACE/BOILER SYSTEM										
212 STEAM TURBINE EQUIPMENT	16,814,237	(1,651,104)	(10)	-	230	-	(1,651,103)	14,811,207	(59)	
214 TURBOGENERATOR UNITS	5,944,979	(594,497)	(10)	-	60	-	(594,437)	5,349,542	(10)	
215 ACCESSORY ELECTRIC EQUIPMENT	8,142,444	(718,244)	(9)	-	73	-	(718,244)	7,424,200	(9)	
216 MISCELLANEOUS POWER PLANT EQUIPMENT	221	(21)	(10)	-	2	-	(19)	202	(9)	
TOTAL GAS FURNACE/BOILER SYSTEM	30,099,681	(2,484,076)	(8)	-	165	-	(2,483,911)	27,615,770	(8)	
MILL CREEK GENERATING STATION										
211 STEAM TURBINE AND ACCESSORIES	141,773,264	(11,382,220)	(8)	8,272,713	(2,319,228)	(7,160,515)	(12,698,933)	129,074,331	(9)	
212 STEAM PLANT EQUIPMENT	1,774,258,269	(172,243,965)	(10)	200,744,823	(55,209,421)	(177,464,598)	(1,602,513,666)	1,600,743,674	(9)	
213 TURBOGENERATOR UNITS	14,811,108	(1,481,108)	(10)	2,000,000	(573,108)	(1,478,092)	(13,333,100)	13,333,108	(9)	
215 ACCESSORY ELECTRIC EQUIPMENT	8,178,402	(718,842)	(9)	88,844	(8,099,558)	(8,010,714)	(7,291,912)	7,466,490	(9)	
216 MISCELLANEOUS POWER PLANT EQUIPMENT	3,729,229	(372,923)	(10)	42,248,282	(12,248,282)	(8,026,040)	(3,005,958)	723,270	(8)	
TOTAL MILL CREEK GENERATING STATION	1,977,769,272	(195,948,158)	(10)	111,454,062	(32,966,513)	(78,487,445)	(171,465,000)	1,806,304,272	(9)	
FRANKLIN COUNTY GENERATING STATION										
211 STEAM TURBINE AND ACCESSORIES	102,342,415	(8,187,790)	(8)	10,517,241	(2,878,533)	(7,361,292)	(15,548,982)	86,793,423	(8)	
212 STEAM PLANT EQUIPMENT	1,829,926,282	(182,992,544)	(10)	211,814,283	(57,242,141)	(164,678,258)	(1,664,114,290)	1,665,808,024	(9)	
213 TURBOGENERATOR UNITS	12,942,902	(1,294,290)	(10)	28,962,631	(8,044,861)	(20,917,230)	(10,964,629)	11,978,273	(8)	
215 ACCESSORY ELECTRIC EQUIPMENT	12,878,481	(1,178,919)	(9)	13,877,476	(3,874,276)	(2,496,800)	(11,381,476)	11,386,671	(9)	
216 MISCELLANEOUS POWER PLANT EQUIPMENT	2,110,282	(211,028)	(10)	24,228,222	(6,666,222)	(17,562,000)	(15,451,718)	6,666,564	(7)	
TOTAL FRANKLIN COUNTY GENERATING STATION	1,955,400,267	(193,864,567)	(10)	177,599,573	(70,462,432)	(107,062,758)	(271,028,915)	1,684,371,352	(10)	
TOTAL STEAM PRODUCTION PLANT	3,233,898,881	(319,891,416)	(10)	407,496,308	(134,174,143)	(273,322,165)	(592,396,980)	2,641,501,891	(10)	



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 311 STRUCTURES AND IMPROVEMENTS  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1972	5,380	162	3		0	162-	3-
1973	9,301	0		775	8	775	8
1974	166,455	30,008	18	552	0	29,456-	18-
1975	4,816	2,201	46		0	2,201-	46-
1976	17,364	2,461	14	148	1	2,313-	13-
1977	9,993	3,390	34		0	3,390-	34-
1978	706		0		0		0
1979	35,088	9,102	26	1,550	4	7,552-	22-
1980	4,245		0		0		0
1981	336,223	1,656	0		0	1,656-	0
1982	3,566	335	9		0	335-	9-
1983	527,107	734	0	11	0	723-	0
1984	7,999,955	139,134	2		0	139,134-	2-
1985	27,301	57,960	212		0	57,960-	212-
1986	83,061	29,750	36	10,787	13	18,963-	23-
1987	125,887	20,183	16	69	0	20,114-	16-
1988	19,638		0		0		0
1989	4,499		0		0		0
1990							
1991	67,462	17,694	26		0	17,694-	26-
1992	141,612	1,588	1		0	1,588-	1-
1993	279,758	44,837	16		0	44,837-	16-
1994	52,490		0		0		0
1995	258,855	21,373	8	1,279	0	20,094-	8-
1996	135,288	54,185	40	6,329	5	47,856-	35-
1997	70,532	8,504	12	8,625	12	121	0
1998	448,015	207,901	46		0	207,901-	46-
1999	110,093	36,068	33	697	1	35,371-	32-
2000	40,964		0		0		0
2001	171,276	990	1		0	990-	1-
2002	111,468		0		0		0
2003	865,133	100,649	12		0	100,649-	12-
2004	629,199	260,812	41		0	260,812-	41-
2005	921,450	114,744	12		0	114,744-	12-
2006	697,724	278,680	40		0	278,680-	40-
2007	78,460	3,894	5		0	3,894-	5-
2008	81,616	16,027	20		0	16,027-	20-
2009	484,516	172,070	36		0	172,070-	36-
2010	176,038	90,160	51		0	90,160-	51-
2011	4,196,980	1,255,579	30		0	1,255,579-	30-
2012	346,525	407,133	117		0	407,133-	117-
2013	524,191	840,164	160	398	0	839,766-	160-
2014	639,283	460,834	75		0	460,834-	75-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2015	849,133	418,910	49	0	418,910	49	
2016	533,975	80,996	15	0	80,996	15	
2017	209,322	68,731	33	0	68,731	33	
<b>TOTAL</b>	<b>22,501,944</b>	<b>5,279,598</b>	<b>23</b>	<b>31,220</b>	<b>0</b>	<b>5,248,378</b>	<b>23</b>

THREE-YEAR MOVING AVERAGES

72-74	60,379	10,057	17	442	1	9,614	16
73-75	60,191	10,736	18	442	1	10,294	17
74-76	62,878	11,557	18	233	0	11,323	18
75-77	10,724	2,684	25	49	0	2,635	25
76-78	9,354	1,950	21	49	1	1,901	20
77-79	15,262	4,164	27	517	3	3,647	24
78-80	13,346	3,034	23	517	4	2,517	19
79-81	125,185	3,586	3	517	0	3,059	2
80-82	114,678	664	1	0	0	664	1
81-83	288,965	908	0	4	0	905	0
82-84	2,843,543	46,734	2	4	0	46,731	2
83-85	2,851,454	65,943	2	4	0	65,939	2
84-86	2,703,439	75,615	3	3,596	0	72,019	3
85-87	78,750	35,964	46	3,619	5	32,346	41
86-88	76,195	16,644	22	3,619	5	13,026	17
87-89	50,008	6,728	13	23	0	6,705	13
88-90	8,046	0	0	0	0	0	0
89-91	23,987	5,898	25	0	0	5,898	25
90-92	69,691	6,427	9	0	0	6,427	9
91-93	162,944	21,373	13	0	0	21,373	13
92-94	157,953	15,475	10	0	0	15,475	10
93-95	197,034	22,070	11	426	0	21,644	11
94-96	148,878	25,186	17	2,536	2	22,650	15
95-97	154,892	28,021	18	5,411	3	22,610	15
96-98	217,945	90,197	41	4,985	2	85,212	39
97-99	209,547	84,158	40	3,107	1	81,050	39
98-00	199,691	81,323	41	232	0	81,091	41
99-01	107,444	12,353	11	232	0	12,120	11
00-02	107,903	330	0	0	0	330	0
01-03	382,626	33,880	9	0	0	33,880	9
02-04	535,267	120,487	23	0	0	120,487	23
03-05	805,261	158,735	20	0	0	158,735	20
04-06	749,457	218,078	29	0	0	218,078	29
05-07	565,878	132,439	23	0	0	132,439	23
06-08	285,933	99,533	35	0	0	99,533	35

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	214,864	63,997	30		0	63,997-	30-
08-10	247,390	92,752	37		0	92,752-	37-
09-11	1,619,178	505,937	31		0	505,937-	31-
10-12	1,573,181	584,291	37		0	584,291-	37-
11-13	1,689,232	834,292	49	133	0	834,159-	49-
12-14	503,333	576,044	114	133	0	575,911-	114-
13-15	670,869	579,970	86	133	0	579,637-	86-
14-16	674,130	326,914	48		0	326,914-	48-
15-17	530,810	189,546	36		0	189,546-	36-
FIVE-YEAR AVERAGE							
13-17	551,181	377,927	69	80	0	377,847-	69-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 312 BOILER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1973	62,803	4,171	7	648	1	3,523	6-
1974	7,673	6,835	89	12	0	6,823	89-
1975	3,085	402	13	383	12	19-	1-
1976	3,221	0	0	0	0	0	0
1977	326,169	62,640	19	5,757	2	56,883	17-
1978	194,645	243	0	2,078	1	1,835	1
1979	2,069,174	10,000	0	0	0	10,000	0
1980	553,764	39,529	7	5,000	1	34,529	6-
1981	5,642,246	130,545	2	0	0	130,545	2-
1982	1,289,749	35,582	3	0	0	35,582	3-
1983	2,872,642	34,486	1	10,535	0	23,951	1-
1984	19,009,765	1,405,123	7	25,077	0	1,380,046	7-
1985	11,336,125	1,868,829	16	24,791	0	1,844,038	16-
1986	4,583,696	2,041,987	45	23,452	1	2,018,535	44-
1987	5,711,646	882,146	15	7,564	0	874,582	15-
1988	981,609	220,046	22	84-	0	220,130	22-
1989	1,150,890	29,619	3	0	0	29,619	3-
1990	274,896	45,528	17	0	0	45,528	17-
1991	514,723	1,963	0	0	0	1,963	0
1992	657,502	37,558	6-	0	0	37,558	6
1993	727,737	130,969	18-	8,692	1	139,661	19
1994	518,558	102,303	20	4,250	1	98,053	19-
1995	8,391,354	687,291	8	41,471	0	645,820	8-
1996	2,043,488	614,554	30	95,593	5	518,961	25-
1997	1,563,889	188,562	12	191,250	12	2,688	0
1998	2,744,038	1,273,372	46	0	0	1,273,372	46-
1999	6,407,359	2,121,390	33	41,005	1	2,080,385	32-
2000	1,939,284	549,421	28	319,613	16	229,808	12-
2001	8,057,111	330,086	4	0	0	330,086	4-
2002	5,505,871	495,797	9	0	0	495,797	9-
2003	7,090,285	9,195	0	0	0	9,195	0
2004	6,901,489	1,994,239	29	0	0	1,994,239	29-
2005	4,197,701	1,079,108	26	0	0	1,079,108	26-
2006	27,711,972	10,223,501	37	577,580	2	9,645,921	35-
2007	3,095,537	815,490	26	281,090	9	534,400	17-
2008	3,796,631	1,500,760	40	86,662	2	1,414,098	37-
2009	7,012,615	3,053,175	44	27,191	0	3,025,984	43-
2010	3,987,134	597,884	15	45,462	1	552,423	14-
2011	17,737,600	2,541,970	14	34,636	0	2,507,334	14-
2012	11,636,251	2,473,206	21	199,351	2	2,273,855	20-
2013	5,121,553	4,060,365	79	76,189	1	3,984,177	78-
2014	6,768,408	1,151,687	17	0	0	1,151,687	17-
2015	18,814,164	5,191,059	28	44,171	0	5,146,888	27-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 312 BOILER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2016	8,494,131	1,452,191	17	22,890	0	1,429,301	17
2017	8,073,501	10,017,154	124	0	0	10,017,154	124
<b>TOTAL</b>	<b>235,583,683</b>	<b>59,174,907</b>	<b>25</b>	<b>2,202,309</b>	<b>1</b>	<b>56,972,598</b>	<b>24</b>

THREE-YEAR MOVING AVERAGES

73-75	24,520	3,803	16	348	1	3,455	14
74-76	4,660	2,412	52	132	3	2,281	49
75-77	110,825	21,014	19	2,047	2	18,967	17
76-78	174,678	20,961	12	2,612	1	18,349	11
77-79	863,329	24,294	3	2,612	0	21,683	3
78-80	939,194	16,591	2	2,359	0	14,231	2
79-81	2,755,061	60,025	2	1,667	0	58,358	2
80-82	2,495,253	68,552	3	1,667	0	66,885	3
81-83	3,268,212	66,871	2	3,512	0	63,359	2
82-84	7,724,052	491,730	6	11,871	0	479,860	6
83-85	11,072,844	1,102,813	10	20,134	0	1,082,678	10
84-86	11,643,195	1,771,980	15	24,440	0	1,747,540	15
85-87	7,210,489	1,597,654	22	18,602	0	1,579,052	22
86-88	3,758,984	1,048,060	28	10,311	0	1,037,749	28
87-89	2,614,715	377,270	14	2,493	0	374,777	14
88-90	802,465	98,398	12	28	0	98,426	12
89-91	646,836	25,703	4	0	0	25,703	4
90-92	482,374	3,311	1	0	0	3,311	1
91-93	633,321	55,521	9	2,897	0	58,419	9
92-94	634,599	22,075	3	4,314	1	26,389	4
93-95	3,212,550	219,542	7	18,138	1	201,404	6
94-96	3,651,133	468,049	13	47,105	1	420,945	12
95-97	3,999,577	496,802	12	109,438	3	387,364	10
96-98	2,117,138	692,163	33	95,614	5	596,548	28
97-99	3,571,762	1,194,441	33	77,418	2	1,117,023	31
98-00	3,696,894	1,314,728	36	120,206	3	1,194,522	32
99-01	5,467,918	1,000,299	18	120,206	2	880,093	16
00-02	5,167,422	458,435	9	106,538	2	351,897	7
01-03	6,884,422	278,359	4	0	0	278,359	4
02-04	6,499,215	833,077	13	0	0	833,077	13
03-05	6,063,158	1,027,514	17	0	0	1,027,514	17
04-06	12,937,054	4,432,282	34	192,527	1	4,239,756	33
05-07	11,668,403	4,039,366	35	286,223	2	3,753,143	32
06-08	11,534,714	4,179,917	36	315,110	3	3,864,806	34
07-09	4,634,928	1,789,808	39	131,648	3	1,658,161	36
08-10	4,932,127	1,717,273	35	53,105	1	1,664,168	34

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 312 BOILER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
09-11	9,579,116	2,064,343	22	35,763	0	2,028,580	21-
10-12	11,120,328	1,871,020	17	93,150	1	1,777,870	16-
11-13	11,498,468	3,025,181	26	103,392	1	2,921,788	25-
12-14	7,842,070	2,561,753	33	91,847	1	2,469,906	31-
13-15	10,234,708	3,467,704	34	40,120	0	3,427,584	33-
14-16	11,358,901	2,598,312	23	22,354	0	2,575,959	23-
15-17	11,793,932	5,553,468	47	22,354	0	5,531,114	47-
FIVE-YEAR AVERAGE							
13-17	9,454,351	4,374,491	46	28,650	0	4,345,841	46-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 314 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1974	5,300	3,167	60	0	3,167-	60-	
1975	5,583	0	0	0	0	0	
1976							
1977							
1978	17,277	2,051	12	2,818	16	767	4
1979	1,527,611	0	0	0	0	0	0
1980	8,705	0	0	0	0	0	0
1981	3,710,700	0	0	0	0	0	0
1982	6,074	620	10	0	620-	10-	
1983	2,465,234	0	0	0	0	0	0
1984	2,791,319	0	0	0	0	0	0
1985	7,690,532	899	0	0	899-	0	0
1986	18,073	813	4	0	813-	4-	
1987	43,600	2,606	6	17	0	2,589-	6-
1988	122,693	0	0	0	0	0	0
1989							
1990	15,000	0	0	0	0	0	0
1991	1,406,443	0	0	0	0	0	0
1992	15,000	0	0	0	0	0	0
1993	22,000	524	2	0	524-	2-	
1994	110,318	22,262	20	0	22,262-	20-	
1995	4,566,240	377,019	8	22,567	0	354,452-	8-
1996	1,314,385	530,805	40	61,486	5	469,319-	36-
1997	612,710	73,876	12	74,929	12	1,053	0
1998							
1999	5,000	1,782	36	34	1	1,748-	35-
2000							
2001							
2002	94,480	0	0	0	0	0	0
2003	3,077,538	277,920	9	0	277,920-	9-	
2004	1,160,157	373,601	32	0	373,601-	32-	
2005	464,123	60,425	13	0	60,425-	13-	
2006	2,965,022	532,312	18	0	532,312-	18-	
2007	115,565	2,600	2	0	2,600-	2-	
2008	33,017	46,464	141	0	46,464-	141-	
2009	754,568	465,855	62	0	465,855-	62-	
2010	103,475	3,278	3	0	3,278-	3-	
2011	3,093,988	109,173	4	0	109,173-	4-	
2012	2,675,754	1,278,417	48	0	1,278,417-	48-	
2013	998,736	661,894	66	0	661,894-	66-	
2014	564,792	500,640	89	0	500,640-	89-	
2015	7,699,476	1,289,267	17	923,936	12	365,331-	5-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 314 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2016	1,079,649	953,014	88		0	953,014-	88-
2017	1,207,097	296,938	25	748,976	62	452,038	37
<b>TOTAL</b>	<b>52,567,234</b>	<b>7,868,222</b>	<b>15</b>	<b>1,834,763</b>	<b>3</b>	<b>6,033,460-</b>	<b>11-</b>

THREE-YEAR MOVING AVERAGES

74-76	3,628	1,056	29		0	1,056-	29-
75-77	1,861		0		0		0
76-78	5,759	684	12	939	16	256	4
77-79	514,963	684	0	939	0	256	0
78-80	517,864	684	0	939	0	256	0
79-81	1,749,005		0		0		0
80-82	1,241,826	207	0		0	207-	0
81-83	2,060,669	207	0		0	207-	0
82-84	1,754,209	207	0		0	207-	0
83-85	4,315,695	300	0		0	300-	0
84-86	3,499,975	571	0		0	571-	0
85-87	2,584,068	1,439	0	6	0	1,434-	0
86-88	61,455	1,140	2	6	0	1,134-	2-
87-89	55,431	869	2	6	0	863-	2-
88-90	45,898		0		0		0
89-91	473,814		0		0		0
90-92	478,814		0		0		0
91-93	481,148	175	0		0	175-	0
92-94	49,106	7,595	15		0	7,595-	15-
93-95	1,566,186	133,268	9	7,522	0	125,746-	8-
94-96	1,996,981	310,029	16	-28,018	1	282,011-	14-
95-97	2,164,445	327,233	15	52,994	2	274,239-	13-
96-98	642,365	201,560	31	45,472	7	156,089-	24-
97-99	205,903	25,219	12	24,988	12	232-	0
98-00	1,667	594	36	11	1	583-	35-
99-01	1,667	594	36	11	1	583-	35-
00-02	31,493		0		0		0
01-03	1,057,339	92,640	9		0	92,640-	9-
02-04	1,444,058	217,174	15		0	217,174-	15-
03-05	1,567,273	237,316	15		0	237,316-	15-
04-06	1,529,767	322,113	21		0	322,113-	21-
05-07	1,181,570	198,446	17		0	198,446-	17-
06-08	1,037,868	193,792	19		0	193,792-	19-
07-09	301,050	171,639	57		0	171,639-	57-
08-10	297,020	171,866	58		0	171,866-	58-
09-11	1,317,344	192,769	15		0	192,769-	15-



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 314 TURBOGENERATOR UNITS  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
<b>THREE-YEAR MOVING AVERAGES</b>							
10-12	1,957,739	463,623	24		0	463,623-	24-
11-13	2,256,159	683,161	30		0	683,161-	30-
12-14	1,413,094	813,650	58		0	813,650-	58-
13-15	3,087,666	817,267	26	307,979	10	509,289-	16-
14-16	3,114,639	914,307	29	307,979	10	606,328-	19-
15-17	3,328,741	846,406	25	557,637	17	288,769-	9-
<b>FIVE-YEAR AVERAGE</b>							
13-17	2,309,950	740,351	32	334,582	14	405,768-	18-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 315 ACCESSORY ELECTRIC EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1972	33,729	502	1		0	502-	1-
1973	7,724		0	1,966	25	1,966	25
1974	10,311	417	4		0	417-	4-
1975	11,172	521	5	2,381	21	1,860	17
1976	3,903	38,121	977	2,393	61	35,728-	915-
1977	22,153	794	4		0	794-	4-
1978	23,703	1,238	5	4,573	19	3,335	14
1979	140,861	388	0	123	0	265-	0
1980	127,304	1,849	1		0	1,849-	1-
1981	963,033		0	1,261	0	1,261	0
1982	8,574	993	12	999	12	6	0
1983	302,710	13-	0	688	0	701	0
1984	1,628,052	4,221	0		0	4,221-	0
1985	1,108,851	2,002	0		0	2,002-	0
1986	13,971		0		0		0
1987	807,408	95,681	12	926	0	94,755-	12-
1988	12,928	3,297	26	10-	0	3,307-	26-
1989	97,796		0		0		0
1990	76,484	16,433-	21-	2,100	3	18,533	24
1991	313,936	1,028	0		0	1,028-	0
1992	61,486	10,547	17		0	10,547-	17-
1993	473,682	6,732-	1-		0	6,732	1
1994	22,000		0		0		0
1995	822,779	67,935	8	4,066	0	63,869-	8-
1996	348,770	140,848	40	16,315	5	124,533-	36-
1997	1,032,181	124,452	12	126,227	12	1,775	0
1998							
1999	2,918	1,040	36	21	1	1,019-	35-
2000	671,474	16,128	2		0	16,128-	2-
2001	34,589		0		0		0
2002	102,272		0		0		0
2003	74,452		0		0		0
2004	829,101	26,830	3		0	26,830-	3-
2005							
2006	1,043,304	59,113	6		0	59,113-	6-
2007	106,068	23,111	22	500	0	22,611-	21-
2008	32,633	1,065	3		0	1,065-	3-
2009	197,219	109,483	56		0	109,483-	56-
2010	20,993	18,899	90		0	18,899-	90-
2011	639,407	243,700	38		0	243,700-	38-
2012	282,287	303,914	108	11,875	4	292,039-	103-
2013	671,068	33,992	5		0	33,992-	5-
2014	196,133	211,869	108		0	211,869-	108-

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNTS 315 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2015	103,922	131,720	127	27,260	26	104,461	101-
2016	173,708	56,804	33	42,500	24	14,304	8-
2017	22,054	19,822	90		0	19,822	90-
<b>TOTAL</b>	<b>13,679,104</b>	<b>1,729,147</b>	<b>13</b>	<b>246,164</b>	<b>2</b>	<b>1,482,983</b>	<b>11-</b>

THREE-YEAR MOVING AVERAGES

72-74	17,255	306	2	655	4	349	2
73-75	9,736	313	3	1,449	15	1,136	12
74-76	8,462	13,020	154	1,591	19	11,428	135-
75-77	12,409	13,145	106	1,591	13	11,554	93-
76-78	16,586	13,384	81	2,322	14	11,062	67-
77-79	62,239	807	1	1,565	3	759	1
78-80	97,289	1,158	1	1,565	2	407	0
79-81	410,399	746	0	461	0	284	0
80-82	366,304	947	0	753	0	194	0
81-83	424,772	327	0	983	0	656	0
82-84	646,445	1,734	0	562	0	1,171	0
83-85	1,013,204	2,070	0	229	0	1,841	0
84-86	916,958	2,074	0		0	2,074	0
85-87	643,410	32,561	5	309	0	32,252	5-
86-88	278,102	32,993	12	305	0	32,687	12-
87-89	306,044	32,993	11	305	0	32,687	11-
88-90	62,403	4,379	7-	697	1	5,075	8
89-91	162,739	5,135	3-	700	0	5,835	4
90-92	150,635	1,619	1-	700	0	2,319	2
91-93	283,035	1,614	1		0	1,614	1-
92-94	185,723	1,272	1		0	1,272	1-
93-95	439,487	20,401	5	1,355	0	19,046	4-
94-96	397,850	69,594	17	6,794	2	62,801	16-
95-97	734,577	111,078	15	48,869	7	62,209	8-
96-98	460,317	88,433	19	47,514	10	40,919	9-
97-99	345,033	41,831	12	42,083	12	252	0
98-00	224,797	5,723	3	7	0	5,716	3-
99-01	236,327	5,723	2	7	0	5,716	2-
00-02	269,445	5,376	2		0	5,376	2-
01-03	70,438		0		0		0
02-04	335,275	8,943	3		0	8,943	3-
03-05	301,184	8,943	3		0	8,943	3-
04-06	624,135	28,648	5		0	28,648	5-
05-07	383,124	27,408	7	167	0	27,241	7-
06-08	394,002	27,763	7	167	0	27,596	7-

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNTS 315 ACCESSORY ELECTRIC EQUIPMENT  
 SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	111,974	44,553	40	167	0	44,386-	40-
08-10	83,615	43,149	52		0	43,149-	52-
09-11	265,873	124,027	43		0	124,027-	43-
10-12	314,229	168,838	60	3,958	1	164,879-	59-
11-13	530,921	193,869	37	3,958	1	189,910-	36-
12-14	383,163	183,258	48	3,958	1	179,300-	47-
13-15	323,708	125,860	39	9,087	3	116,774-	36-
14-16	157,921	133,464	85	23,253	15	110,211-	70-
15-17	99,895	69,449	70	23,253	23	46,196-	46-
FIVE-YEAR AVERAGE							
13-17	233,377	90,842	39	13,952	6	76,890-	33-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1972	985	62	6		0	62-	6-
1973							
1974	2,625		0	2,800	107	2,800	107
1975	2,166		0		0		0
1976	3,217		0		0		0
1977	4,112		0		0		0
1978	2,193		0	48	2	48	2
1979	33,145	43	0		0	43-	0
1980	1,734		0		0		0
1981	15,052		0	7,500	50	7,500	50
1982	350		0		0		0
1983	309		0		0		0
1984	344,269		0		0		0
1985	68,016		0	53	0	53	0
1986	7,808		0		0		0
1987	5,311		0		0		0
1988	1,311		0		0		0
1989	318		0	175	55	175	55
1990	17,214	1,000-	6-		0	1,000	6
1991	15,986		0		0		0
1992	5,162		0		0		0
1993	137,323		0		0		0
1994							
1995	114,896	9,487	8	568	0	8,919-	8-
1996	386,595	156,124	40	18,085	5	138,039-	36-
1997	63,113	7,610	12	7,719	12	109	0
1998							
1999							
2000							
2001							
2002		537				537-	
2003	1,600	437	27		0	437-	27-
2004	159,413	4,944	3		0	4,944-	3-
2005							
2006	85,294	1,237	1		0	1,237-	1-
2007	76,996		0		0		0
2008	37,166		0	103,285	278	103,285	278
2009	31,210	2,109	7		0	2,109-	7-
2010	18,529		0		0		0
2011	66,012		0		0		0
2012	20,219		0		0		0
2013	7,457		0		0		0
2014	94,077		0		0		0

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2015	79,363	188	0	0	0	188	0
2016	123,602	5,116	4	2,650	2	2,466	2
2017	207,367	0	0	0	0	0	0
<b>TOTAL</b>	<b>2,241,514</b>	<b>186,894</b>	<b>8</b>	<b>142,883</b>	<b>6</b>	<b>44,011</b>	<b>2</b>

THREE-YEAR MOVING AVERAGES

72-74	1,203	21	2	933	78	913	76
73-75	1,597	0	0	933	58	933	58
74-76	2,669	0	0	933	35	933	35
75-77	3,165	0	0	0	0	0	0
76-78	3,174	0	0	16	1	16	1
77-79	13,150	14	0	16	0	2	0
78-80	12,357	14	0	16	0	2	0
79-81	16,644	14	0	2,500	15	2,486	15
80-82	5,712	0	0	2,500	44	2,500	44
81-83	5,237	0	0	2,500	48	2,500	48
82-84	114,976	0	0	0	0	0	0
83-85	137,531	0	0	18	0	18	0
84-86	140,031	0	0	18	0	18	0
85-87	27,045	0	0	18	0	18	0
86-88	4,810	0	0	0	0	0	0
87-89	2,313	0	0	58	3	58	3
88-90	6,281	333	5	58	1	392	6
89-91	11,173	333	3	58	1	392	4
90-92	12,787	333	3	0	0	333	3
91-93	52,824	0	0	0	0	0	0
92-94	47,495	0	0	0	0	0	0
93-95	84,073	3,162	4	189	0	2,973	4
94-96	167,164	55,204	33	6,218	4	48,986	29
95-97	188,201	57,740	31	8,792	5	48,950	26
96-98	149,903	54,578	36	8,601	6	45,977	31
97-99	21,038	2,537	12	2,573	12	36	0
98-00							
99-01							
00-02		179				179	
01-03	533	325	61	0	0	325	61
02-04	53,671	1,973	4	0	0	1,973	4
03-05	53,671	1,794	3	0	0	1,794	3
04-06	81,569	2,060	3	0	0	2,060	3
05-07	54,097	412	1	0	0	412	1
06-08	66,485	412	1	34,428	52	34,016	51

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	48,457	703	1	34,428	71	33,725	70
08-10	28,968	703	2	34,428	119	33,725	116
09-11	38,584	703	2		0	703-	2-
10-12	34,920		0		0		0
11-13	31,229		0		0		0
12-14	40,584		0		0		0
13-15	60,299	63	0		0	63-	0
14-16	99,014	1,768	2	883	1	885-	1-
15-17	136,777	1,768	1	883	1	885-	1-
FIVE-YEAR AVERAGE							
13-17	102,373	1,061	1	530	1	531-	1-





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**PART IX. DETAILED DEPRECIATION  
CALCULATIONS**

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RIVERPORT DISTRIBUTION CENTER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2063						
NET SALVAGE PERCENT.. -25						
2013	5,123,148.75	578,211	399,761	6,004,175	44.03	136,366
2014	33,726.75	3,018	2,087	40,072	44.09	909
2015	66,384.14	4,347	3,005	79,975	44.14	1,812
2016	49,048.13	1,961	1,356	59,954	44.20	1,356
2017	37,976.87	520	360	47,112	44.25	1,065
	5,310,284.64	588,057	406,568	6,231,288		141,508
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1965	46,093.05	39,534	46,776	3,926	13.91	282
1972	15,820,798.69	13,135,693	15,541,922	1,660,956	14.04	132,547
1975	218,872.61	178,687	211,419	29,341	14.09	2,082
1977	4,197.77	3,385	4,005	612	14.12	43
1980	21,540.90	17,013	20,129	3,566	14.16	252
1981	8,073.16	6,328	7,487	1,393	14.17	98
1987	63,301.24	46,998	55,607	14,024	14.24	985
1991	3,386.36	2,398	2,837	888	14.28	62
1995	24,680.99	16,447	19,460	7,689	14.31	537
1996	38,411.41	25,136	29,740	12,512	14.32	874
1997	9,807.25	6,296	7,449	3,339	14.32	233
1998	289,774.86	182,157	215,525	103,227	14.33	7,204
1999	37,622.65	23,113	27,347	14,058	14.34	979
2001	98,083.06	57,229	67,712	40,179	14.35	2,800
2002	180,486.93	102,186	120,905	77,631	14.36	5,406
2003	741,965.92	406,653	481,145	335,018	14.36	23,330
2004	357,057.23	188,640	223,196	169,567	14.37	11,800
2005	439,217.59	222,916	263,750	219,389	14.37	15,267
2007	22,336.81	10,289	12,174	12,397	14.38	862
2008	272,031.03	118,006	139,623	159,611	14.39	11,092
2009	52,008.41	21,086	24,949	32,261	14.39	2,242
2011	119,120.13	40,448	47,857	83,175	14.40	5,776
2012	103,784.67	31,288	37,019	77,144	14.41	5,354
2015	2,148,138.36	345,558	408,858	1,954,094	14.42	135,513
2016	111,292.14	11,465	13,565	108,856	14.42	7,549
	21,232,083.22	15,238,949	18,030,458	5,324,834		373,169

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 2 INTERIM SURVIVOR CURVE.. IOWA 95-R2.5 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -10						
1975	9,819,205.32	7,746,567	9,111,356	1,689,770	15.95	105,942
1976	96,856.85	75,902	89,274	17,268	15.97	1,081
1977	4,197.78	3,267	3,843	775	15.99	48
1979	3,493.45	2,678	3,150	693	16.03	43
1986	5,995.00	4,310	5,069	1,525	16.14	94
1998	184,368.44	109,464	128,749	74,056	16.27	4,552
2003	120,824.91	61,931	72,842	60,065	16.32	3,660
2005	22,227.29	10,499	12,349	12,101	16.33	741
2006	171,004.69	76,943	90,499	97,606	16.34	5,973
2007	5,838.00	2,489	2,928	3,494	16.34	214
2011	500,905.40	155,216	182,562	368,434	16.37	22,507
2012	313,472.11	86,008	101,161	243,658	16.37	14,884
2015	2,523,154.21	363,503	427,545	2,347,325	16.39	143,254
2016	170,882.49	15,664	18,424	169,547	16.39	10,345
2017	218,586.90	6,975	8,204	232,242	16.40	14,161
	14,161,012.84	8,721,416	10,257,954	5,319,160		327,519
MILL CREEK UNIT 2 SCRUBBER INTERIM SURVIVOR CURVE.. IOWA 95-R2.5 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -10						
1984	818,857.06	600,931	455,437	445,305	16.11	27,642
2015	4,151,771.11	598,133	453,317	4,113,632	16.39	250,984
	4,970,628.17	1,199,064	908,754	4,558,937		278,626
MILL CREEK UNIT 3 INTERIM SURVIVOR CURVE.. IOWA 95-R2.5 PROBABLE RETIREMENT YEAR.. 6-2038 NET SALVAGE PERCENT.. -10						
1980	6,510.54	4,613	6,090	1,071	19.76	54
1982	21,290,656.69	14,786,979	19,523,058	3,896,664	19.82	196,603
1984	108,138.64	73,498	97,038	21,914	19.87	1,103
1986	436,730.18	289,909	382,763	97,640	19.91	4,904
1987	164,685.65	107,935	142,505	38,649	19.93	1,939
1988	31,410.69	20,310	26,815	7,737	19.95	388

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1997	7,192.32	3,940	5,202	2,710	20.12	135
2002	21,186.01	9,994	13,195	10,110	20.19	501
2004	249,234.02	108,465	143,205	130,952	20.21	6,480
2006	240,970.16	94,944	125,353	139,714	20.23	6,906
2009	414,775.80	133,112	175,746	280,507	20.27	13,839
2010	229,013.42	67,239	88,775	163,140	20.27	8,048
2016	5,922,786.05	442,112	583,715	5,931,350	20.33	291,754
	29,123,290.17	16,143,050	21,313,461	10,722,158		532,654
MILL CREEK UNIT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	124,786.75	86,668	30,882	106,384	19.82	5,366
2016	5,359,168.04	400,040	142,543	5,752,542	20.33	282,958
2017	10,561.49	279	99	11,518	20.33	567
	5,494,516.28	486,987	173,524	5,870,444		288,893
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1978	16,235.95	10,997	12,381	5,478	23.31	235
1983	2,920,019.88	1,873,123	2,108,877	1,103,145	23.51	46,922
1984	33,105,032.98	20,971,707	23,611,238	12,804,298	23.55	543,707
1985	16,032.01	10,026	11,288	6,347	23.58	269
1986	10,854,342.52	6,697,140	7,540,052	4,399,724	23.61	186,350
1987	2,747,622.50	1,670,925	1,881,230	1,141,155	23.65	48,252
1988	1,132,027.85	678,178	763,535	481,696	23.68	20,342
1989	420,234.94	247,817	279,008	183,251	23.71	7,729
1990	139,393.92	80,836	91,010	62,323	23.74	2,625
1991	31,466.81	17,928	20,184	14,429	23.77	607
1994	168,295.50	90,337	101,707	83,418	23.85	3,498
1995	1,130,198.34	593,289	667,961	575,257	23.87	24,100
1996	311,789.92	159,755	179,862	163,107	23.90	6,825
1997	227,958.65	113,845	128,174	122,581	23.92	5,125

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1998	442,793.64	215,140	242,218	244,855	23.94	10,228
1999	113,470.26	53,527	60,264	64,553	23.96	2,694
2000	74,447.42	34,019	38,301	43,591	23.98	1,816
2001	687,863.94	303,379	341,563	415,088	24.01	17,288
2002	586,204.16	249,102	280,454	364,370	24.02	15,169
2003	1,368,701.79	557,845	628,056	877,516	24.04	36,502
2004	292,312.92	113,856	128,186	193,358	24.06	8,036
2005	525,643.99	194,648	219,147	359,062	24.08	14,911
2006	166,238.65	58,196	65,521	117,342	24.10	4,869
2007	19,894.23	6,541	7,364	14,519	24.11	602
2008	25,127.93	7,695	8,664	18,977	24.13	786
2009	956,448.27	270,146	304,147	747,946	24.14	30,984
2010	483,570.90	124,205	139,838	392,090	24.16	16,229
2011	1,236,829.35	284,483	320,288	1,040,224	24.17	43,038
2012	252,495.83	50,686	57,065	220,680	24.19	9,123
2013	479,312.70	81,428	91,677	435,567	24.20	17,999
2014	9,500,493.24	1,300,152	1,463,791	8,986,751	24.21	371,200
2015	879,677.92	89,217	100,446	867,200	24.22	35,805
2016	340,734.69	21,578	24,294	350,514	24.23	14,466
2017	1,627,997.79	35,476	39,941	1,750,857	24.25	72,200
	73,280,911.39	37,267,222	41,957,732	38,651,271		1,620,533
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1983	1,812,836.17	1,162,891	1,474,208	519,912	23.51	22,115
1984	320,219.90	202,856	257,162	95,079	23.55	4,037
2001	58,236.12	25,685	32,561	31,499	24.01	1,312
2004	212,084.02	82,607	104,722	128,571	24.06	5,344
2005	14,020.31	5,192	6,582	8,840	24.08	367
2006	12,043.50	4,216	5,345	7,903	24.10	328
2013	7,305.53	1,241	1,573	6,463	24.20	267
2014	3,337,266.72	456,708	578,973	3,092,020	24.21	127,717
2017	18,363.52	400	507	19,693	24.25	812
	5,792,375.79	1,941,796	2,461,633	3,909,980		162,299

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	103,453,966.09	54,067,277	64,520,573	53,416,949	31.01	1,722,572
1993	261,010.60	127,840	152,556	144,996	31.17	4,652
1994	362,457.24	173,363	206,881	206,320	31.21	6,611
1995	520,162.37	242,507	289,393	303,592	31.26	9,712
1996	124,393.22	56,423	67,332	74,477	31.31	2,379
1997	540,527.91	238,236	284,296	331,906	31.35	10,587
1998	251,947.64	124,684	148,790	184,030	31.40	5,861
1999	20,033.30	8,276	9,876	12,962	31.44	412
2000	112,766.78	44,941	53,630	74,924	31.48	2,380
2001	60,760.43	23,293	27,796	41,470	31.52	1,316
2002	259,907.60	95,543	114,015	182,280	31.56	5,776
2003	446,282.16	156,775	187,086	321,676	31.59	10,183
2004	80,252.62	26,809	31,992	59,496	31.63	1,881
2006	5,878.80	1,747	2,085	4,617	31.70	146
2007	3,126.83	869	1,036	2,529	31.73	80
2008	510,515.04	131,378	156,778	425,209	31.76	13,388
2009	150,166.01	35,409	42,255	128,934	31.79	4,056
2010	85,397.39	18,207	21,727	75,626	31.82	2,377
2011	33,353.80	6,322	7,544	30,479	31.84	957
2013	43,040.44	5,947	7,097	41,969	31.90	1,316
2017	116,477.02	2,004	2,392	130,392	31.99	4,076
	107,482,423.29	55,587,849	66,335,130	56,194,833		1,810,718
TRIMBLE COUNTY UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	101,916.70	53,264	1,970	114,215	31.01	3,683
1996	20,052.22	9,095	336	22,523	31.31	719
2004	61,254.94	20,462	757	69,074	31.63	2,184
2013	705,791.36	97,526	3,607	800,995	31.90	25,110
	889,015.22	180,347	6,671	1,006,806		31,696

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
1990	22,344.25	9,383	10,043	15,430	44.36	348
2011	15,149,274.41	2,053,942	2,198,375	15,071,798	46.60	323,429
2012	409,666.94	47,781	51,141	415,879	46.68	8,909
2013	86,118.30	8,375	8,964	89,211	46.75	1,908
2014	154,925.17	11,960	12,801	163,814	46.81	3,500
2015	176,813.39	9,933	10,631	190,936	46.88	4,073
2016	404,264.65	13,904	14,882	445,980	46.94	9,501
2017	999,973.89	11,764	12,591	1,127,379	47.00	23,987
	17,403,381.00	2,167,042	2,319,428	17,520,426		375,655
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	69,521.69	9,426	7,436	71,819	46.60	1,541
2012	411.79	48	38	432	46.68	9
2017	14,666.45	173	136	16,583	47.00	353
	84,599.93	9,647	7,610	88,834		1,903
	285,224,521.94	139,531,426	164,178,923	155,398,971		5,945,173
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 26.1 2.08						

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1955	1,639,190.12	1,803,109	1,803,109			
1986	0.40					
1997	39,193.77	43,113	43,113			
1998	41,520.99	45,673	45,673			
2000	10.83	12	12			
2014	33,589.49	36,948	36,948			
2015	32,289.10	35,529	35,529			
2016	373.59	411	411			
	1,786,178.29	1,964,795	1,964,796			
CANE RUN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1956	1,184,900.77	1,303,391	1,303,391			
1997	43,063.97	47,370	47,370			
2016	373.59	411	411			
	1,228,338.33	1,351,172	1,351,172			
CANE RUN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1959	1,952,265.06	2,147,492	2,147,492			
1975	44.28	49	49			
1997	82,878.31	91,166	91,166			
2016	373.68	411	411			
	2,035,561.33	2,239,118	2,239,117			



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1964	1,814,704.93	1,996,175	1,996,175			
1966	107.89	119	119			
1969	301.74	332	332			
1994	19,409.75	21,351	21,351			
1997	97,687.75	107,457	107,457			
2009	99,942.00	109,936	109,936			
2012	80,618.11	88,680	88,680			
2013	1,018,709.71	1,120,581	1,120,581			
2016	373.61	411	411			
	3,131,855.49	3,445,042	3,445,042			
CANE RUN UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2014	17,192.20	18,911	18,911			
2016	373.59	411	411			
	17,565.79	19,322	19,322			
CANE RUN UNIT 5						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1967	2,209,914.99	2,430,906	2,430,906			
1997	460,252.28	506,278	506,278			
1998	77,110.41	84,821	84,821			
2012	213,621.33	234,983	234,983			
2014	155,851.67	171,437	171,437			
2015	28,789.01	31,668	31,668			
2016	124.53	137	137			
	3,145,664.22	3,460,230	3,460,231			

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 5 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1979	5.68	6	6			
1980	5.63	6	6			
2015	9,932.90	10,926	10,926			
2016	249.06	274	274			
	10,193.27	11,212	11,213			
CANE RUN UNIT 6						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1968	25,970.52	28,568	28,568			
1970	2,318,410.10	2,550,251	2,550,251			
1973	157,004.65	172,705	172,705			
1977	65,482.34	72,031	72,031			
1978	104,011.35	114,412	114,412			
1983	1,000,000.00	1,100,000	1,100,000			
1984	147,868.83	162,656	162,656			
1987	240,188.77	264,208	264,208			
1997	67,252.33	73,978	73,978			
1998	6,924.37	7,617	7,617			
1999	0.21	0	0			
2001	583,023.78	641,326	641,326			
2002	675,474.89	743,022	743,022			
2003	74,876.34	82,364	82,364			
2004	181,731.32	199,904	199,904			
2006	46,381.08	51,019	51,019			
2007	1,124,191.86	1,236,611	1,236,611			
2009	1,407,414.03	1,548,155	1,548,155			
2010	143,677.89	158,046	158,046			
2011	762,918.87	839,211	839,211			
2013	70,027.02	77,030	77,030			
2014	3,870,067.88	4,257,075	4,257,075			
2015	31,265.63	34,392	34,392			
2016	249.06	274	274			
	13,104,413.12	14,414,855	14,414,854			

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 6 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2014	85,553.36	94,109	94,109			
2016	373.59	411	411			
	85,926.95	94,520	94,520			
	24,545,696.79	27,000,266	27,000,266			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00						

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	21,414,326.49	17,293,932	14,223,253	9,332,506	12.85	726,265
1973	7,875.43	6,326	5,203	3,460	12.90	268
1975	265,320.08	210,671	173,265	118,587	12.99	9,129
1976	1,821.92	1,438	1,183	821	13.04	63
1977	35,816.91	28,085	23,098	16,300	13.08	1,246
1978	121,581.83	94,704	77,889	55,851	13.12	4,257
1979	5,258.44	4,068	3,346	2,435	13.16	185
1980	40,473.88	31,083	25,564	18,957	13.20	1,436
1981	68,546.02	52,238	42,963	32,438	13.24	2,450
1982	350,502.00	264,967	217,920	167,632	13.28	12,623
1983	208,728.99	156,510	128,720	100,882	13.31	7,579
1984	13,324.05	9,902	8,144	6,513	13.35	488
1986	373,158.68	272,173	223,846	186,628	13.41	13,917
1987	186,502.84	134,636	110,730	94,423	13.44	7,026
1988	1,185.12	846	696	608	13.47	45
1989	64,563.44	45,581	37,488	33,532	13.50	2,484
1992	48,372.08	32,855	27,021	26,188	13.58	1,928
1993	23,285.15	15,582	12,815	12,798	13.61	940
1994	330,734.56	217,921	179,227	184,581	13.63	13,542
1995	272,815.11	176,787	145,397	154,700	13.65	11,333
1996	449,017.28	285,851	235,096	258,823	13.67	18,934
1997	775,321.29	484,190	398,218	454,635	13.69	33,209
1998	5,657,245.57	3,459,225	2,845,011	3,377,959	13.71	246,387
1999	3,906,667.89	2,335,172	1,920,543	2,376,792	13.73	173,109
2000	203,312.67	118,585	97,529	126,115	13.75	9,172
2001	962,802.63	546,476	449,445	609,638	13.77	44,273
2002	496,398.14	273,712	225,112	320,926	13.78	23,289
2003	2,979,926.02	1,590,020	1,307,699	1,970,220	13.80	142,770
2004	2,902,846.86	1,494,481	1,229,124	1,964,008	13.81	142,216
2005	298,953.89	147,798	121,555	207,294	13.83	14,989
2006	1,876,339.42	886,497	729,092	1,334,881	13.84	96,451
2007	141,819.17	63,600	52,307	103,694	13.86	7,482
2008	3,673,504.84	1,554,315	1,278,334	2,762,522	13.87	199,172
2009	101,933.21	40,256	33,108	79,018	13.89	5,689
2010	11,986.69	4,370	3,594	9,591	13.90	690
2011	3,542,654.92	1,173,012	964,734	2,932,186	13.91	210,797
2012	162,731.37	47,835	39,342	139,663	13.93	10,026
2013	6,800,891.07	1,722,570	1,416,714	6,064,267	13.94	435,026
2014	448,194.73	93,387	76,805	416,209	13.95	29,836

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>MILL CREEK UNIT 1</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
2015	121,894,793.03	19,166,006	15,762,925	118,321,347	13.97	8,469,674
2016	383,790.87	38,430	31,606	390,564	13.98	27,937
2017	630,818.53	22,552	18,548	675,353	13.99	48,274
	182,136,143.11	54,598,645	44,904,210	155,445,547		11,206,606
<b>MILL CREEK UNIT 1 SCRUBBER</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1991	5,546,971.24	3,818,607	3,803,553	2,298,116	13.56	169,478
1997	2,685,050.95	1,676,822	1,670,211	1,283,345	13.69	93,743
1998	39.61	24	24	20	13.71	1
2001	9,599.04	5,448	5,427	5,132	13.77	373
2002	2,876,370.68	1,586,022	1,579,769	1,584,238	13.78	114,966
2003	5,225,116.30	2,788,002	2,777,011	2,970,617	13.80	215,262
2004	100,971.20	51,983	51,778	59,290	13.81	4,293
2005	54,427.99	26,908	26,802	33,069	13.83	2,391
2008	430,882.82	182,313	181,594	292,377	13.87	21,080
	16,929,429.83	10,136,129	10,096,169	8,526,204		621,587
<b>MILL CREEK UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	17,054,608.27	13,058,696	6,248,152	12,511,517	14.53	861,109
1979	327,798.84	243,816	116,658	243,921	14.75	16,537
1980	2,634.46	1,944	930	1,968	14.80	133
1981	148,305.42	108,512	51,919	111,217	14.85	7,489
1982	70,679.74	51,257	24,525	53,223	14.90	3,572
1983	83,301.87	59,869	28,645	62,987	14.94	4,216
1984	80,377.49	57,201	27,369	61,046	14.99	4,072
1986	231,601.12	161,463	77,255	177,507	15.07	11,779
1987	20,698.83	14,270	6,828	15,941	15.11	1,055
1988	963.59	656	314	746	15.15	49
1989	64,563.44	43,429	20,779	50,240	15.19	3,307
1992	52,695.31	33,992	16,264	41,701	15.29	2,727

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1993	4,287.61	2,721	1,302	3,414	15.33	223
1995	154,316.73	94,570	45,249	124,500	15.39	8,090
1996	46,271.80	27,823	13,312	37,587	15.41	2,439
1997	648,626.26	381,874	182,714	530,775	15.44	34,377
1998	3,474,151.24	1,999,711	956,795	2,864,771	15.47	185,182
1999	1,444,123.25	811,567	388,308	1,200,228	15.49	77,484
2001	2,429,671.48	1,291,446	617,914	2,054,725	15.54	132,222
2002	5,996,535.49	3,089,655	1,478,297	5,117,892	15.56	328,913
2003	2,880,639.68	1,433,426	685,847	2,482,857	15.58	159,362
2004	1,373,435.07	657,793	314,732	1,196,046	15.60	76,670
2005	1,683,302.66	772,427	369,581	1,482,052	15.62	94,882
2006	352,406.11	154,101	73,732	313,915	15.64	20,071
2008	1,251,577.09	486,910	232,970	1,143,765	15.68	72,944
2009	412,257.46	149,223	71,398	382,085	15.70	24,337
2010	4,479,120.12	1,492,989	714,346	4,212,687	15.71	268,153
2011	410,920.22	123,901	59,283	392,730	15.73	24,967
2012	4,552,070.67	1,213,864	580,794	4,426,484	15.75	281,047
2014	2,660,793.03	497,305	237,944	2,688,928	15.78	170,401
2015	141,800,521.60	19,895,322	9,519,250	146,461,323	15.80	9,269,704
2016	3,688,099.88	327,677	156,783	3,900,127	15.82	246,531
2017	620,928.88	19,692	9,422	673,600	15.83	42,552
	198,502,284.71	48,759,102	23,329,610	195,022,903		12,436,596
MILL CREEK UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
2002	203,535.72	104,870	21,603	202,286	15.56	13,000
2005	6,998.17	3,211	661	7,037	15.62	451
2008	332,266.71	129,264	26,628	338,865	15.68	21,611
2015	111,645,216.21	15,664,382	3,226,865	119,582,873	15.80	7,568,936
2016	34,447.60	3,061	631	37,262	15.82	2,355
2017	2,599,527.05	82,439	16,982	2,842,497	15.83	179,564
	114,821,991.46	15,987,227	3,293,371	123,010,820		7,785,517

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1979	4,767.06	3,299	2,734	2,510	17.73	142
1980	3,428,357.32	2,350,019	1,947,582	1,823,612	17.81	102,393
1981	11,318.35	7,681	6,366	6,085	17.89	340
1982	44,978,625.60	30,213,807	25,039,735	24,436,753	17.96	1,360,621
1984	1,957,212.86	1,286,012	1,065,784	1,087,150	18.10	60,064
1985	1,704.37	1,107	917	957	18.17	53
1986	608,706.59	390,297	323,459	346,118	18.24	18,976
1987	123,117.61	77,927	64,582	70,847	18.30	3,871
1988	401,560.78	250,714	207,780	233,937	18.36	12,742
1990	65,980.65	39,984	33,137	39,442	18.48	2,134
1992	63,366.14	37,145	30,784	38,919	18.59	2,094
1993	72,295.22	41,613	34,487	45,038	18.64	2,416
1994	175,632.11	99,163	82,181	111,014	18.69	5,940
1995	2,177,981.40	1,205,197	998,809	1,396,971	18.73	74,585
1996	261,791.90	141,688	117,424	170,547	18.78	9,081
1997	641,399.71	339,139	281,062	424,478	18.82	22,555
1998	186,673.04	96,249	79,766	125,574	18.86	6,658
1999	499,059.76	250,394	207,514	341,451	18.90	18,066
2000	9,899.82	4,822	3,996	6,894	18.94	364
2001	321,317.64	151,510	125,564	227,885	18.98	12,007
2002	1,558,350.90	709,982	588,399	1,125,787	19.01	59,221
2003	18,848,257.17	8,261,719	6,846,911	13,886,172	19.05	728,933
2004	52,849,370.86	22,202,655	18,400,481	39,733,826	19.08	2,082,486
2005	107,671.37	43,168	35,776	82,663	19.11	4,326
2006	958,853.85	365,035	302,523	752,216	19.14	39,301
2007	1,996,474.13	716,353	593,679	1,602,443	19.17	83,591
2008	46,235.80	15,517	12,860	38,000	19.20	1,979
2009	1,282,542.79	398,494	330,252	1,080,545	19.23	56,191
2010	98,917.56	28,083	23,274	85,535	19.26	4,441
2011	2,020,997.52	515,959	427,602	1,795,496	19.29	93,079
2012	1,346,461.45	302,205	250,453	1,230,655	19.31	63,731
2013	11,697,943.12	2,232,552	1,850,231	11,017,507	19.34	569,675
2014	190,039.04	29,400	24,365	184,678	19.37	9,534
2015	864,249.38	100,020	82,892	867,783	19.39	44,754
2016	126,466,623.40	9,167,566	7,597,633	131,515,653	19.42	6,772,176
2017	1,189,192.61	29,576	24,511	1,283,601	19.45	65,995
	277,512,948.88	82,106,051	68,045,505	237,218,739		12,394,515

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	612,880.78	411,695	120,512	553,657	17.96	30,827
1996	185,176.23	100,221	29,337	174,357	18.78	9,284
2001	1,482,747.00	699,154	204,657	1,426,365	18.98	75,151
2003	765,122.16	335,374	98,171	743,463	19.05	39,027
2004	1,973,751.17	829,197	242,723	1,928,403	19.08	101,069
2007	72,067.10	25,858	7,569	71,705	19.17	3,740
2016	144,698,844.87	10,489,219	3,070,416	156,098,314	19.42	8,038,018
2017	546,111.42	13,582	3,976	596,747	19.45	30,681
	150,336,700.73	12,904,300	3,777,361	161,593,010		8,327,797
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1980	440,249.54	282,540	272,557	211,718	20.57	10,293
1981	227,438.94	144,315	139,216	110,967	20.68	5,366
1982	333,336.91	208,973	201,589	165,081	20.79	7,940
1984	75,257,757.35	46,016,055	44,390,163	38,393,370	20.99	1,829,127
1985	332,766.67	200,735	193,642	172,401	21.09	8,175
1986	8,768,653.94	5,216,876	5,032,547	4,612,972	21.18	217,798
1987	376,721.61	220,797	212,996	201,398	21.28	9,464
1988	462,429.35	266,956	257,524	251,149	21.36	11,758
1989	811,031.27	460,654	444,379	447,757	21.45	20,874
1990	1,327,667.49	741,404	715,208	745,226	21.53	34,613
1991	5,021,051.98	2,753,918	2,656,613	2,866,577	21.61	132,650
1992	844,777.73	454,564	438,503	490,753	21.69	22,626
1993	114,757.39	60,505	58,367	67,866	21.77	3,117
1994	250,426.34	129,267	124,700	150,769	21.84	6,903
1995	797,416.49	402,396	388,178	488,980	21.91	22,318
1996	3,239,846.39	1,596,561	1,540,149	2,023,682	21.97	92,111
1997	876,303.85	420,584	405,723	558,211	22.04	25,327
1998	3,656,385.26	1,707,269	1,646,946	2,375,078	22.10	107,470
1999	1,833,933.14	831,233	801,869	1,215,458	22.16	54,849
2000	5,871,514.94	2,578,558	2,487,449	3,971,217	22.21	178,803
2001	25,318,630.11	10,736,087	10,356,747	17,493,746	22.27	785,530
2002	4,879,231.04	1,992,663	1,922,256	3,444,898	22.32	154,341
2003	62,520,901.01	24,501,066	23,635,366	45,137,625	22.37	2,017,775
2004	1,326,226.15	496,578	479,032	979,816	22.42	43,703



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2005	2,556,930.89	910,165	878,006	1,934,618	22.47	86,098
2006	9,814,897.13	3,307,149	3,190,297	7,606,090	22.51	337,898
2007	928,271.54	293,719	283,341	737,758	22.56	32,702
2008	3,687,741.26	1,086,740	1,048,342	3,008,173	22.60	133,105
2009	2,114,686.17	574,770	554,462	1,771,693	22.64	78,255
2010	3,987,749.56	987,626	952,730	3,433,794	22.68	151,402
2011	6,739,165.81	1,490,400	1,437,739	5,975,343	22.73	262,884
2012	4,910,365.62	952,051	918,412	4,482,990	22.76	196,968
2013	749,585.26	123,063	118,715	705,829	22.80	30,957
2014	207,447,357.66	27,424,126	26,455,145	201,736,948	22.84	8,832,616
2015	5,063,304.43	496,644	479,096	5,090,539	22.88	222,489
2016	6,021,634.43	365,832	352,906	6,270,892	22.92	273,599
2017	12,545,463.90	265,374	255,998	13,544,013	22.95	590,153
	471,456,638.57	140,698,219	135,726,909	382,875,393		17,032,057
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1983	4,903,950.91	3,037,340	1,365,103	4,029,243	20.89	192,879
1988	230,585.19	133,115	59,827	193,816	21.36	9,074
1989	7,208.39	4,094	1,840	6,089	21.45	284
1996	3,808,915.50	1,875,992	843,596	3,346,211	21.97	152,308
1997	68,399.24	32,828	14,754	60,485	22.04	2,744
2000	21,535,151.15	9,501,380	4,270,302	19,528,365	22.21	879,260
2001	1,393,120.25	590,737	265,501	1,266,931	22.27	56,890
2002	5,020,125.34	2,050,204	921,444	4,600,694	22.32	206,124
2003	527,503.85	206,721	92,909	487,346	22.37	21,786
2004	43,152.01	16,157	7,262	40,206	22.42	1,793
2005	198,430.50	70,633	31,745	186,528	22.47	8,301
2006	419,388.57	141,314	63,512	397,815	22.51	17,673
2007	383,959.54	121,491	54,603	367,753	22.56	16,301
2008	7,529.57	2,219	997	7,285	22.60	322
2009	100,088.52	27,204	12,227	97,871	22.64	4,323
2010	55,099.59	13,646	6,133	54,476	22.68	2,402
2011	2,128,403.02	470,707	211,555	2,129,689	22.73	93,695
2012	10,357,724.83	2,008,218	902,574	10,490,923	22.76	460,937
2013	108,472.50	17,808	8,004	111,316	22.80	4,882

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2014	141,385,875.63	18,690,930	8,400,455	147,124,009	22.84	6,441,507
2015	12,158.39	1,193	536	12,839	22.88	561
2016	226,721.31	13,774	6,191	243,203	22.92	10,611
2017	13,327,284.78	281,912	126,703	14,533,311	22.95	633,260
	206,349,248.58	39,310,617	17,667,770	209,316,403		9,217,917
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	128,938,346.70	64,890,080	60,308,416	86,681,299	27.00	3,210,418
1992	38,267.84	18,443	17,141	26,485	27.28	971
1994	196,865.96	90,393	84,011	140,417	27.55	5,097
1995	12,880.29	5,761	5,354	9,329	27.68	337
1996	434,526.73	189,000	175,655	319,705	27.80	11,500
1997	1,429,634.78	603,770	561,140	1,068,644	27.92	38,275
1998	5,164,667.09	2,113,809	1,964,560	3,923,160	28.03	139,963
1999	300,546.33	118,924	110,527	232,096	28.14	8,248
2000	82,881.85	31,621	29,388	65,097	28.25	2,304
2001	475,951.02	174,674	162,341	380,243	28.35	13,412
2002	36,738,757.54	12,926,098	12,013,431	29,868,753	28.45	1,049,868
2003	5,176,645.95	1,739,195	1,616,396	4,284,980	28.55	150,087
2004	426,942.12	136,475	126,839	359,875	28.64	12,565
2005	3,353,308.40	1,013,875	942,289	2,880,483	28.73	100,260
2006	283,707.42	80,688	74,591	248,436	28.82	8,620
2007	272,649.64	72,490	67,372	243,449	28.90	8,424
2008	4,413,630.64	1,087,416	1,010,637	4,020,902	28.98	138,747
2009	2,660,534.52	600,900	558,473	2,474,537	29.06	85,153
2010	9,483,989.61	1,936,925	1,800,165	9,011,583	29.14	309,251
2011	10,795,021.22	1,958,428	1,820,150	10,486,174	29.22	358,870
2012	588,820.22	92,821	86,267	584,988	29.29	19,972
2013	3,422,355.95	453,353	421,343	3,480,142	29.36	118,533
2014	404,146.80	42,880	39,852	420,875	29.43	14,301
2015	85,910,747.57	6,710,729	6,236,908	91,701,345	29.50	3,108,520
2016	2,569,112.46	123,331	114,623	2,814,165	29.57	95,170
2017	19,342,589.55	315,323	293,059	21,757,493	29.64	734,058
	322,917,528.20	97,527,402	90,641,330	277,484,652		9,742,924

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	50,010,558.20	25,168,534	28,728,586	28,283,450	27.00	1,047,535
1994	253,366.21	116,335	132,790	156,047	27.55	5,664
1996	7,760.87	3,376	3,854	4,994	27.80	180
1997	146,964.06	62,067	70,846	96,693	27.92	3,463
1998	546,174.12	223,540	255,159	367,479	28.03	13,110
1999	139,582.70	55,232	63,044	96,080	28.14	3,434
2002	1,958,503.95	689,077	786,546	1,446,149	28.45	50,831
2004	3,912.29	1,251	1,428	3,032	28.64	106
2005	4,281,077.44	1,294,387	1,477,476	3,402,952	28.73	118,446
2006	4,579,814.50	1,302,532	1,486,773	3,734,215	28.82	129,570
2007	850,100.00	226,017	257,987	711,127	28.90	24,606
2010	33,337.92	6,809	7,772	30,233	29.14	1,038
2012	552,605.79	87,112	99,434	530,537	29.29	18,113
2015	89,147.45	6,964	7,949	93,679	29.50	3,176
2016	3,384,658.53	162,482	185,465	3,673,046	29.57	124,215
	66,837,564.03	29,405,715	33,565,110	42,629,713		1,543,467
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	127,801,331.09	16,632,372	23,884,488	121,809,030	40.35	3,018,811
2012	3,547,408.00	396,761	569,758	3,474,287	40.54	85,700
2013	749,362.16	69,922	100,410	753,863	40.72	18,513
2014	3,433,135.22	254,160	364,980	3,548,794	40.89	86,789
2015	4,526,898.46	243,067	349,050	4,811,614	41.07	117,156
2016	2,526,423.25	82,745	118,825	2,761,297	41.24	66,957
2017	3,863,446.73	43,206	62,045	4,342,284	41.40	104,886
	146,448,004.91	17,722,234	25,449,556	141,501,170		3,498,812

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312 BOILER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	14,418,804.49	1,876,498	2,930,696	13,506,741	40.35	334,740
2012	298,031.71	33,333	52,059	287,697	40.54	7,097
2013	141,070.30	13,163	20,558	140,262	40.72	3,445
2014	275,467.84	20,393	31,850	282,184	40.89	6,901
2016	18,889.14	619	967	20,567	41.24	499
	15,152,263.48	1,944,006	3,036,129	14,237,451		352,682
	2,169,400,746.49	551,099,647	459,533,030	1,948,862,005		94,160,477
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						20.7 4.34

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2021						
NET SALVAGE PERCENT.. 0						
1972	411,750.29	378,477	231,546	180,204	4.00	45,051
	411,750.29	378,477	231,546	180,204		45,051
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 6-2019						
NET SALVAGE PERCENT.. 0						
1982	947,826.39	909,402	635,948	311,878	1.50	207,919
	947,826.39	909,402	635,948	311,878		207,919
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2023						
NET SALVAGE PERCENT.. 0						
1990	4,867,827.96	3,996,000	1,858,074	3,009,754	6.00	501,626
	4,867,827.96	3,996,000	1,858,074	3,009,754		501,626
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2021						
NET SALVAGE PERCENT.. 0						
2011	5,057,242.50	3,130,686	614,262	4,442,980	4.00	1,110,745
	5,057,242.50	3,130,686	614,262	4,442,980		1,110,745
	11,284,647.14	8,414,565	3,339,830	7,944,816		1,865,341
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.3						16.53

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>MILL CREEK UNIT 1</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	9,558,559.29	8,000,629	7,216,155	3,298,260	12.48	264,284
1975	33,622.25	27,621	24,913	12,072	12.78	945
1988	9,460.76	6,975	6,291	4,138	13.66	303
1992	27,075.30	18,932	17,076	12,707	13.83	929
1993	971,441.12	669,202	609,586	465,000	13.87	33,526
1994	185,064.18	125,477	113,174	90,397	13.91	6,499
1995	28,446.40	18,965	17,105	14,186	13.94	1,018
1996	254,031.63	166,350	150,039	129,396	13.97	9,262
1999	18,356.35	11,278	10,172	10,020	14.06	713
2002	180,996.96	102,521	92,469	106,628	14.13	7,546
2003	271,428.49	148,808	134,217	164,354	14.15	11,615
2004	691,281.91	365,430	329,599	430,811	14.17	30,403
2007	200,644.13	92,360	83,304	137,405	14.23	9,656
2008	175,609.64	76,185	68,715	124,456	14.25	8,734
2012	326,557.97	98,281	88,644	270,569	14.31	18,908
2013	6,506,511.77	1,688,088	1,522,568	5,634,595	14.32	393,477
2015	6,242,518.02	1,005,501	906,910	5,959,860	14.34	415,611
2017	289,718.68	10,517	9,486	309,205	14.36	21,532
	25,971,344.84	12,633,120	11,394,423	17,174,056		1,234,951
<b>MILL CREEK UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	10,010,798.61	7,982,290	7,471,761	3,540,118	14.21	249,129
1977	32,117.17	25,216	23,603	11,726	14.45	811
1986	8,428.02	6,083	5,694	3,577	15.25	235
1988	95,857.98	67,580	63,258	42,186	15.38	2,743
1995	666,220.77	422,015	395,024	337,819	15.74	21,462
1996	37,365.50	23,203	21,719	19,383	15.79	1,228
1997	333,008.13	202,459	189,510	176,799	15.83	11,169
1999	7,342.02	4,259	3,987	4,090	15.90	257
2002	1,065,664.45	566,234	530,019	642,212	16.00	40,138
2003	1,519,049.93	779,300	729,458	941,497	16.03	58,733
2005	196,319.25	92,779	86,845	129,106	16.09	8,024
2007	105,533.51	46,732	43,743	76,744	16.13	4,758
2008	56,103.77	22,466	21,029	40,685	16.16	2,518
2010	57,422.60	19,677	18,419	44,746	16.20	2,762

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>MILL CREEK UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
2011	266,698.44	82,633	77,348	216,020	16.22	13,318
2012	5,789,721.97	1,587,779	1,486,228	4,882,456	16.23	300,830
2013	75,226.48	17,664	16,534	66,215	16.25	4,075
2014	350,971.22	67,218	62,919	323,149	16.27	19,862
2015	7,505,834.09	1,083,820	1,014,501	7,241,916	16.28	444,835
2016	23,846.81	2,170	2,031	24,200	16.30	1,485
2017	53,605.89	1,720	1,610	57,356	16.31	3,517
	28,261,136.61	13,103,297	12,265,240	18,822,010		1,191,889
<b>MILL CREEK UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1978	2,296,618.42	1,688,540	1,863,054	663,227	17.31	38,315
1982	18,526,289.24	13,056,162	14,405,541	5,973,377	17.92	333,336
1989	2,208.14	1,420	1,567	862	18.73	46
1993	27,779.22	16,681	18,405	12,152	19.09	637
1994	904,453.22	532,788	587,853	407,046	19.16	21,245
1995	96,282.76	55,522	61,260	44,651	19.24	2,321
1996	1,108,386.56	623,146	689,756	529,469	19.31	27,419
1997	174,257.56	95,989	105,910	85,774	19.37	4,428
1999	7,342.02	3,832	4,228	3,848	19.50	197
2003	93,997.54	42,816	47,241	56,156	19.71	2,849
2004	1,744,925.53	761,913	840,658	1,078,760	19.75	54,621
2006	107,652.56	42,508	46,901	71,517	19.84	3,605
2007	23,053.86	8,577	9,463	15,896	19.88	800
2008	1,168,159.07	406,271	448,260	836,715	19.92	42,004
2009	159,202.21	51,276	56,575	118,547	19.95	5,942
2010	260,400.84	76,546	84,457	201,984	19.99	10,104
2011	380,117.96	100,447	110,828	307,301	20.02	15,350
2012	3,017,515.58	700,166	772,529	2,546,738	20.05	127,019
2013	1,093,522.18	215,796	238,099	964,775	20.08	48,047
2014	78,875.74	12,647	13,954	72,809	20.10	3,622
2015	2,986,643.68	356,456	393,296	2,892,012	20.13	143,667
2016	475,678.68	35,576	39,253	483,994	20.15	24,020
2017	140,774.32	3,673	4,053	150,799	20.17	7,476
	34,874,136.89	18,890,748	20,843,142	17,518,409		917,070

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1984	26,543,252.72	17,216,644	17,293,775	11,903,803	20.96	567,930
1989	2,208.14	1,325	1,331	1,098	21.78	50
1990	10,208.27	6,016	6,043	5,186	21.93	236
1991	2,277,121.66	1,317,543	1,323,446	1,181,388	22.06	53,553
1992	1,626,712.57	923,000	927,135	862,249	22.19	38,858
1993	30,320.47	16,854	16,930	16,423	22.31	736
1994	51,664.99	28,198	28,324	28,727	22.43	1,281
1996	209,000.84	108,322	108,807	121,094	22.65	5,346
1997	474,920.55	239,709	240,783	281,630	22.75	12,379
1998	63,359.58	31,088	31,227	38,468	22.85	1,684
1999	7,342.02	3,495	3,511	4,566	22.94	199
2000	2,816.43	1,298	1,304	1,794	23.02	78
2001	732,712.71	325,924	327,384	478,600	23.11	20,710
2003	253,031.34	103,877	104,342	173,992	23.26	7,480
2005	1,800,731.23	671,097	674,104	1,306,701	23.40	55,842
2006	906,191.19	319,368	320,799	676,012	23.46	28,816
2008	560,545.24	172,648	173,421	443,178	23.58	18,795
2009	25,026.43	7,096	7,128	20,401	23.64	863
2011	3,696,430.48	852,737	856,557	3,209,516	23.74	135,194
2012	2,267,042.35	457,154	459,202	2,034,545	23.79	85,521
2013	139,939.53	23,900	24,007	129,926	23.83	5,452
2014	12,071,479.73	1,659,828	1,667,264	11,611,364	23.87	486,442
2015	873,461.09	88,971	89,370	871,438	23.91	36,447
2016	17,756.85	1,122	1,127	18,406	23.95	769
2017	414,559.92	9,129	9,170	446,846	23.98	18,634
	55,058,036.33	24,586,343	24,696,491	35,867,349		1,583,295
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	39,208,203.86	21,355,501	24,629,889	20,067,463	27.26	736,151
1994	38,695.05	19,133	22,067	22,046	28.24	781
1996	35,401.53	16,545	19,082	21,276	28.67	742
1997	231,629.41	104,973	121,068	142,989	28.87	4,953
1998	17,799.41	7,809	9,006	11,285	29.06	388
2000	61,094.28	24,938	28,762	40,886	29.42	1,390



LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
2001	172,557.22	67,694	78,073	118,642	29.58	4,011
2002	1,635,647.75	614,268	708,452	1,156,186	29.74	38,876
2003	257,463.44	92,294	106,445	187,063	29.89	6,258
2005	65,186.67	20,982	24,199	50,114	30.17	1,661
2007	14,260,066.39	4,023,965	4,640,950	11,615,526	30.43	381,713
2008	40,206.06	10,513	12,125	33,710	30.54	1,104
2009	57,074.38	13,650	15,743	49,322	30.66	1,609
2010	670,352.58	144,946	167,170	597,032	30.76	19,409
2011	481,291.72	92,407	106,576	442,097	30.86	14,326
2012	38,994.69	6,498	7,494	36,960	30.96	1,194
2013	52,600.67	7,353	8,480	51,484	31.05	1,658
2014	195,870.01	21,863	25,215	198,077	31.14	6,361
2016	198,565.22	10,091	11,638	214,726	31.29	6,862
2017	1,818,876.48	31,248	36,039	2,037,480	31.37	64,950
	59,537,576.82	26,686,671	30,778,475	37,094,363		1,294,397
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
1990	4,145,218.19	1,991,110	2,173,456	2,552,093	33.66	75,820
2011	16,253,511.69	2,317,978	2,530,258	15,998,745	43.08	371,373
2012	15,127.01	1,853	2,023	15,222	43.37	351
2014	57,510.81	44,934	49,049	586,513	43.90	13,360
2015	136,494.28	7,990	8,722	146,882	44.15	3,327
2016	554,322.02	19,855	21,673	610,254	44.39	13,748
2017	304,834.06	3,698	4,037	343,474	44.62	7,698
	21,967,018.06	4,387,418	4,789,217	20,253,184		485,677
	225,669,249.55	100,287,597	104,766,988	146,729,371		6,707,279
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						21.9 2.97

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1 INTERIM SURVIVOR CURVE.. IOWA 65-R3 PROBABLE RETIREMENT YEAR.. 6-2032 NET SALVAGE PERCENT.. -10						
1972	4,720,222.42	3,964,746	4,276,341	915,903	12.96	70,672
1974	782,485.11	649,251	700,277	160,457	13.14	12,211
1975	176,219.38	145,298	156,717	37,124	13.22	2,808
1985	6,939.48	5,293	5,709	1,924	13.80	139
1986	10,096.51	7,623	8,222	2,884	13.85	208
1987	44,680.97	33,386	36,010	13,139	13.89	946
1988	88,192.17	65,199	70,323	26,688	13.92	1,917
1989	96,763.03	70,695	76,251	30,188	13.96	2,162
1993	23,071.28	15,968	17,223	8,155	14.09	579
1994	178,344.24	121,493	131,041	65,137	14.12	4,623
1996	0.30		0			
1997	1,313,417.99	847,409	914,008	530,752	14.19	37,403
1998	147,043.85	92,892	100,193	61,556	14.21	4,332
2000	6,796,392.22	4,094,024	4,415,779	3,060,252	14.25	214,755
2001	216,842.59	127,111	137,101	101,426	14.27	7,108
2004	12,633.27	6,707	7,234	6,662	14.32	465
2008	4,667.04	2,032	2,192	2,942	14.38	205
2011	261,938.32	89,188	96,197	191,335	14.41	13,320
2013	19,456.75	5,073	5,472	15,931	14.42	1,105
2015	3,149,356.34	509,528	549,573	2,914,719	14.44	201,850
2017	533,319.71	19,618	21,160	565,492	14.45	39,134
	18,582,082.97	10,872,534	11,727,023	8,713,268		615,932
MILL CREEK UNIT 1 SCRUBBER INTERIM SURVIVOR CURVE.. IOWA 65-R3 PROBABLE RETIREMENT YEAR.. 6-2032 NET SALVAGE PERCENT.. -10						
1983	202,167.22	157,056	220,362	2,022	13.71	147
	202,167.22	157,056	220,362	2,022		147
MILL CREEK UNIT 2 INTERIM SURVIVOR CURVE.. IOWA 65-R3 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -10						
1975	4,594,976.40	3,676,068	3,972,831	1,081,643	14.77	73,232
1981	19,704.77	15,021	16,234	5,442	15.30	356

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 2 INTERIM SURVIVOR CURVE.. IOWA 65-R3 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -10						
1983	8,343.81	6,245	6,749	2,429	15.43	157
1984	66,767.91	49,469	53,463	19,982	15.50	1,289
1986	19,863.78	14,405	15,568	6,282	15.62	402
1987	1,136.02	815	881	369	15.67	24
1988	82,230.58	58,254	62,957	27,497	15.72	1,749
1989	99,084.22	69,306	74,901	34,092	15.77	2,162
1990	46,374.58	32,001	34,584	16,428	15.82	1,038
1991	78,172.89	53,182	57,475	28,515	15.86	1,798
1993	74,345.76	49,027	52,985	28,795	15.94	1,806
1994	137,636.61	89,205	96,406	54,994	15.98	3,441
1997	1,229,516.67	751,201	811,844	540,624	16.08	33,621
1998	497,415.48	297,095	321,079	226,078	16.11	14,033
2001	318,180.75	175,321	189,474	160,524	16.19	9,915
2002	32,290.53	17,241	18,633	16,887	16.21	1,042
2005	3,582.67	1,701	1,838	2,103	16.28	129
2008	12,413.17	4,995	5,398	8,256	16.33	506
2012	195,890.66	53,943	58,298	157,182	16.38	9,596
2013	74,934.03	17,694	19,122	63,305	16.39	3,862
2014	46,004.41	8,880	9,597	41,008	16.40	2,500
2015	943,364.81	136,717	147,754	889,947	16.41	54,232
2016	4,342,229.81	399,837	432,115	4,344,338	16.42	264,576
2017	222,731.66	7,235	7,819	237,186	16.43	14,436
	13,147,191.98	5,984,858	6,468,006	7,993,905		495,902
MILL CREEK UNIT 2 SCRUBBER INTERIM SURVIVOR CURVE.. IOWA 65-R3 PROBABLE RETIREMENT YEAR.. 6-2034 NET SALVAGE PERCENT.. -10						
2015	2,694,916.35	390,561	765,601	2,198,807	16.41	133,992
	2,694,916.35	390,561	765,601	2,198,807		133,992

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	13,739,330.10	9,714,654	12,091,486	3,021,777	18.60	162,461
1987	9,969.82	6,628	8,250	2,717	19.10	142
1988	3,231.24	2,119	2,637	927	19.18	48
1989	392,292.18	253,441	315,449	116,072	19.26	6,027
1990	150,092.97	95,446	118,798	46,304	19.34	2,394
1991	60,001.02	37,539	46,723	19,278	19.41	993
1993	94,815.20	57,217	71,216	33,081	19.55	1,692
1994	6,239.17	3,693	4,597	2,267	19.61	116
1997	151,399.17	83,814	104,320	62,219	19.77	3,147
2007	7,967.19	2,978	3,707	5,057	20.17	251
2009	173,735.34	56,184	69,930	121,179	20.22	5,993
2012	84,503.54	19,710	24,532	68,422	20.29	3,372
2013	10,937.97	2,166	2,696	9,336	20.31	460
2014	39,504.05	6,354	7,909	35,546	20.32	1,749
2015	142,860.84	17,140	21,334	135,813	20.34	6,677
2016	11,667,104.04	875,138	1,089,253	11,744,561	20.36	576,845
2017	57,028.30	1,503	1,872	60,860	20.37	2,988
	26,791,012.14	11,235,724	13,984,708	15,485,405		775,355
MILL CREEK UNIT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	1,013,024.76	716,278	683,415	430,912	18.60	23,167
1993	75,852.16	45,774	43,674	39,763	19.55	2,034
2016	8,703,304.86	652,826	622,874	8,950,761	20.36	439,625
	9,792,181.78	1,414,878	1,349,963	9,421,437		464,826
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1975	610,264.79	441,864	516,606	154,685	20.12	7,688
1981	2,134,007.29	1,442,482	1,686,479	660,929	21.38	30,913
1983	429,885.94	283,238	331,248	141,727	21.72	6,525
1984	16,995,052.01	11,046,240	12,914,724	5,779,834	21.88	264,161

LOUISVILLE GAS AND ELECTRIC COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4 INTERIM SURVIVOR CURVE.. IOWA 65-R3 PROBABLE RETIREMENT YEAR.. 6-2042 NET SALVAGE PERCENT.. -10						
1985	68,296.45	43,775	51,180	23,947	22.03	1,087
1986	1,536,512.19	970,205	1,134,316	555,847	22.18	25,061
1987	30,412.62	18,916	22,116	11,338	22.31	508
1988	429,640.93	263,034	307,503	165,102	22.44	7,357
1989	432,858.98	260,523	304,591	171,554	22.57	7,601
1991	89,579.56	52,024	60,824	37,714	22.79	1,655
1994	6,239.17	3,406	3,982	2,881	23.09	125
1996	14,195.63	7,387	8,637	6,979	23.27	300
1997	46,174.62	23,408	27,367	23,425	23.35	1,003
2000	70,461.55	32,630	38,149	39,358	23.56	1,671
2001	24,217.50	10,823	12,654	13,986	23.63	592
2002	106,974.51	46,010	53,793	63,879	23.69	2,696
2005	5,395.13	2,020	2,262	3,573	23.86	150
2007	8,334.63	2,770	3,239	5,930	23.95	248
2008	492,580.23	152,262	178,017	363,821	24.00	15,159
2009	58,526.04	16,670	19,490	44,889	24.04	1,867
2011	70,789.13	16,415	19,192	58,676	24.11	2,434
2012	1,135,269.23	230,003	268,908	979,858	24.14	40,592
2013	54,373.95	9,335	10,514	48,897	24.17	2,023
2014	2,354,305.16	325,582	380,655	2,209,981	24.20	91,284
2015	2,913,999.33	297,621	347,964	2,857,435	24.23	117,930
2016	23,297.30	1,493	1,746	23,881	24.25	985
2017	860,990.24	18,733	21,902	925,188	24.28	38,105
	31,002,634.31	16,018,849	18,728,455	15,374,443		669,720
MILL CREEK UNIT 4 SCRUBBER INTERIM SURVIVOR CURVE.. IOWA 65-R3 PROBABLE RETIREMENT YEAR.. 6-2042 NET SALVAGE PERCENT.. -10						
2003	53,899.52	22,234	51,127	8,162	23.75	344
2014	1,613,417.17	223,123	513,074	1,261,685	24.20	52,136
	1,667,316.69	245,357	564,201	1,269,847		52,480

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	44,621,984.19	24,283,873	26,683,021	24,186,041	28.65	844,190
1992	7,925.03	4,122	4,529	4,505	29.08	155
1993	36,015.56	18,285	20,091	20,966	29.28	716
1994	3,105,541.63	1,536,604	1,688,414	1,851,903	29.47	62,840
1996	16,791.24	7,857	8,633	10,509	29.83	352
1997	11,557.40	5,247	5,765	7,430	29.99	247
1998	51,241.29	22,523	24,748	33,667	30.15	1,117
2000	79,034.14	32,336	35,531	54,568	30.44	1,793
2001	17,727.44	6,972	7,661	12,548	30.57	410
2003	31,908.05	11,468	12,601	23,774	30.82	771
2005	22,378.23	7,228	7,942	17,569	31.04	566
2009	249,300.73	59,839	65,751	218,452	31.42	6,953
2010	119,663.51	25,950	28,514	107,903	31.50	3,425
2011	694,741.82	133,809	147,029	644,977	31.58	20,424
2013	33,727.78	4,730	5,197	33,252	31.72	1,048
2015	15,555,328.27	1,281,392	1,407,988	16,325,086	31.84	512,723
2016	145,099.43	7,384	8,114	157,300	31.89	4,933
2017	298,835.86	5,144	5,652	335,021	31.95	10,486
	65,098,801.60	27,454,763	30,167,182	44,045,452		1,473,149
TRIMBLE COUNTY UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1979	71,999.18	47,727	76,325	5,754	25.40	227
1990	2,664,921.03	1,450,285	2,319,289	718,721	28.65	25,086
	2,736,920.21	1,498,012	2,395,614	724,475		25,313
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2010	34,379.96	5,540	5,989	33,204	44.71	743
2011	8,882,476.37	1,260,285	1,362,360	8,763,663	44.95	194,965
2012	1,130,271.18	138,012	149,190	1,139,319	45.18	25,217
2013	11,211.95	1,136	1,228	11,554	45.41	254

LOUISVILLE GAS AND ELECTRIC COMPANY  
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CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2014	108,078.94	8,688	9,392	113,818	45.61	2,495
2015	247,338.42	14,425	15,593	266,372	45.81	5,815
2016	206,007.20	7,320	7,913	226,935	46.00	4,933
2017	59,374.14	725	784	66,903	46.17	1,449
	10,679,138.16	1,436,131	1,552,448	10,621,770		235,871
	182,394,363.41	76,708,723	87,923,563	-115,850,831		4,942,687
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						23.4 2.71

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RIVERPORT DISTRIBUTION CENTER						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2063						
NET SALVAGE PERCENT.. -2						
2013	487,938.91	50,825	61,731	435,967	37.28	11,694
2016	21,052.85	759	922	20,552	36.76	530
2017	73,926.20	893	1,085	74,320	39.21	1,895
	582,917.96	52,477	63,737	530,839		14,119
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	325,508.28	285,570	301,827	56,232	8.94	6,290
1973	69,337.68	60,324	63,758	12,513	9.20	1,360
1981	14,471.42	11,682	12,347	3,572	11.15	320
2001	186,981.08	109,541	115,777	89,902	13.70	6,562
2003	50,572.50	27,815	29,398	26,231	13.81	1,899
2010	44,349.97	16,604	17,549	31,236	14.11	2,214
2012	17,602.50	5,314	5,617	13,746	14.17	970
2015	15,511.04	2,494	2,636	14,426	14.25	1,012
2017	312,423.29	11,393	12,042	331,624	14.29	23,207
	1,036,757.76	530,737	560,951	579,483		43,834
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1974	30,534.16	25,959	28,044	5,544	10.03	553
1977	12,631.04	10,413	11,249	2,645	10.93	242
1978	3,514.49	2,866	3,096	770	11.23	69
1979	4,222.33	3,405	3,678	966	11.52	84
1991	31,738.22	21,833	23,587	11,325	14.24	795
1998	6,708.80	4,024	4,347	3,032	15.13	200
2005	3,862.94	1,835	1,982	2,267	15.69	144
2010	9,949.34	3,419	3,694	7,251	15.96	454
2012	33,862.98	9,317	10,065	27,184	16.04	1,695
2015	4,291.92	620	670	4,051	16.15	251
	141,316.22	83,691	90,413	65,035		4,487



LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1978	245,660.68	194,777	265,635	4,592	12.33	372
1980	13,104.31	10,106	13,782	632	13.10	48
1981	3,413.80	2,595	3,539	216	13.48	16
1982	3,099.18	2,321	3,165	244	13.85	18
1987	4,218.63	2,916	3,977	664	15.57	43
1991	33,921.67	21,805	29,737	7,576	16.70	454
2000	3,356.42	1,728	2,357	1,335	18.48	72
2010	9,949.34	2,945	4,016	6,928	19.56	354
2013	30,822.45	6,117	8,342	25,562	19.76	1,294
	347,546.48	245,310	334,551	47,750		2,671
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1976	25,108.31	20,164	20,141	7,478	12.08	619
1977	6,974.10	5,520	5,514	2,158	12.53	172
1983	49,937.51	35,830	35,790	19,141	15.30	1,251
1984	135,989.65	95,801	95,694	53,895	15.76	3,420
1985	82,073.54	56,739	56,675	33,605	16.21	2,073
1986	176,507.31	119,733	119,599	74,559	16.64	4,481
1987	121,720.07	80,936	80,845	53,047	17.07	3,108
1988	136,481.52	88,908	88,808	61,321	17.49	3,506
1989	78,089.43	49,817	49,761	36,137	17.89	2,020
1990	32,896.89	20,542	20,519	15,668	18.27	858
1991	809,076.77	493,843	493,290	396,695	18.65	21,271
1992	96,062.66	57,314	57,230	48,419	19.00	2,548
1993	69,663.45	39,982	39,937	35,615	19.35	1,841
1994	235,578.67	133,774	133,624	125,512	19.67	6,381
1995	358,477.53	198,243	198,021	196,304	19.98	9,825
1996	322,994.73	173,796	173,601	161,693	20.27	8,964
1997	199,906.14	104,473	104,356	115,541	20.55	5,622
1998	49,525.85	25,108	25,080	29,399	20.81	1,413
1999	514,957.55	252,604	252,321	314,132	21.06	14,916
2000	77,551.12	36,746	36,705	48,601	21.29	2,283
2001	228,291.05	104,217	104,100	147,020	21.51	6,835
2002	157,965.40	69,293	69,215	104,547	21.71	4,816

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2003	701,409.79	294,424	294,094	477,457	21.91	21,792
2004	124,948.53	50,023	49,967	87,476	22.09	3,960
2005	108,210.13	41,124	41,078	77,953	22.26	3,502
2006	136,639.60	49,017	48,962	101,341	22.42	4,520
2007	122,140.23	41,079	41,033	93,321	22.57	4,135
2008	352,355.19	110,180	110,057	277,534	22.71	12,221
2009	270,140.46	77,795	77,708	219,447	22.84	9,608
2010	728,879.93	190,532	190,319	611,449	22.97	26,629
2011	506,134.20	118,342	118,209	438,538	23.08	19,001
2012	335,858.22	68,517	68,440	301,004	23.19	12,980
2013	345,692.57	59,614	59,547	320,715	23.29	13,771
2014	1,557,767.13	216,438	216,196	1,497,348	23.38	64,044
2015	216,662.05	22,277	22,252	216,076	23.47	9,206
2016	551,880.80	35,441	35,401	571,668	23.55	24,275
2017	911,778.27	19,969	19,947	983,009	23.63	41,600
	10,935,346.35	3,658,155	3,654,057	8,374,824		379,457
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2005	11,565.66	4,395	12,722			
2008	9,333.18	2,918	10,266			
2009	22,312.73	6,426	24,112	432	22.84	19
	43,211.57	13,739	47,101	432		19
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	1,636,998.57	1,001,970	1,070,731	795,447	20.45	38,897
1991	123,124.08	73,276	78,305	62,057	21.03	2,951
1992	11,512.41	6,656	7,113	6,011	21.60	278
1993	4,548.23	2,553	2,728	2,457	22.15	111
1994	64,029.36	34,841	37,232	35,761	22.69	1,576
1995	84,609.07	44,562	47,620	48,834	23.22	2,103

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1996	130,300.78	66,323	70,874	77,668	23.74	3,272
1997	41,301.53	20,297	21,590	25,394	24.23	1,048
1998	29,577.96	14,003	14,964	18,755	24.71	759
1999	23,726.57	10,794	11,535	15,514	25.18	616
2000	32,185.43	14,051	15,015	21,676	25.62	846
2001	17,686.90	7,388	7,895	12,268	26.04	471
2002	139,323.17	55,507	59,316	99,512	26.45	3,762
2003	149,646.14	56,640	60,527	110,070	26.84	4,101
2004	70,762.03	25,372	27,113	53,556	27.20	1,969
2005	32,621.18	11,019	11,775	25,413	27.55	922
2006	44,964.11	14,236	15,213	36,046	27.88	1,293
2008	93,628.50	25,429	27,174	79,562	28.49	2,793
2009	35,260.57	8,746	9,346	30,851	28.77	1,072
2010	143,979.41	32,182	34,391	129,746	29.03	4,469
2013	8,704.40	1,252	1,338	8,585	29.72	289
2017	175,362.80	3,101	3,314	196,600	30.46	6,454
	3,093,853.20	1,530,198	1,635,209	1,891,784		80,052
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	1,783,663.47	285,974	279,179	1,754,198	37.09	47,296
2012	181,270.34	24,862	24,271	182,377	37.73	4,834
2013	274,940.16	31,130	30,390	283,042	38.36	7,379
2014	319,319.69	28,427	27,752	336,273	38.96	8,631
2015	149,819.76	9,619	9,390	161,404	39.54	4,082
2016	136,297.87	5,314	5,188	150,192	40.10	3,745
2017	683,291.74	8,911	8,699	770,253	40.63	18,958
	3,528,603.03	394,237	384,869	3,637,738		94,925
	19,709,552.57	6,508,544	6,770,888	15,127,885		619,564
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT ..						24.4 3.14

**Heichelbech, Nicholas**

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**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Wednesday, September 05, 2018 9:45 PM  
**To:** Wiseman, Sara; Riggs, Eric; Sturgeon, Allyson; kendrick.riggs@skofirm.com  
**Subject:** RE: reports  
**Attachments:** 2018 Direct Testimony JJSpanos.docx; Exhibit JJS-1.docx

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Here is my testimony and Exhibit JJS-1

**From:** Spanos, John J.  
**Sent:** Tuesday, September 4, 2018 8:26 PM  
**To:** 'Wiseman, Sara'; 'Riggs, Eric'; 'Sturgeon, Allyson'; 'kendrick.riggs@skofirm.com'  
**Subject:** RE: reports

Here is the LG&E study

**From:** Spanos, John J.  
**Sent:** Tuesday, September 4, 2018 8:24 PM  
**To:** Wiseman, Sara <[Sara.Wiseman@lee-ku.com](mailto:Sara.Wiseman@lee-ku.com)>; Riggs, Eric <[Eric.Riggs@lee-ku.com](mailto:Eric.Riggs@lee-ku.com)>; 'Sturgeon, Allyson' <[Allyson.Sturgeon@lee-ku.com](mailto:Allyson.Sturgeon@lee-ku.com)>; [kendrick.riggs@skofirm.com](mailto:kendrick.riggs@skofirm.com)  
**Subject:** reports

Attached is the final depreciation study for KU.

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF KENTUCKY UTILITIES )  
COMPANY FOR AN ADJUSTMENT OF ITS ) CASE NO. 2018-00\_\_\_\_  
RATES )

In the Matter of:

APPLICATION OF LOUISVILLE GAS AND )  
ELECTRIC COMPANY FOR AN ) CASE NO. 2018-00\_\_\_\_  
ADJUSTMENT OF ITS ELECTRIC AND )  
GAS RATES )

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DIRECT TESTIMONY OF

JOHN J. SPANOS

ON BEHALF OF

LOUISVILLE GAS AND ELECTRIC COMPANY  
AND KENTUCKY UTILITIES COMPANY

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**I. INTRODUCTION AND PURPOSE**

1 **Q. PLEASE STATE YOUR NAME AND ADDRESS.**

2 A. My name is John J. Spanos. My business address is 207 Senate Avenue, Camp Hill,  
3 Pennsylvania.

4 **Q. ARE YOU ASSOCIATED WITH ANY FIRM?**

5 A. Yes. I am associated with the firm of Gannett Fleming Valuation and Rate Consultants,  
6 LLC ("Gannett Fleming").

7 **Q. CAN YOU BRIEFLY DESCRIBE GANNETT FLEMING?**

8 A. Yes. Gannett Fleming, Inc. is an international engineering consulting firm with expertise  
9 in numerous disciplines. Founded in 1915, Gannett Fleming Inc. has a long history of  
10 consulting services. The firm's headquarters is located in suburban Harrisburg,  
11 Pennsylvania. Regional offices are maintained in 23 states, one Canadian province, and an  
12 office in Qatar and the United Arab Emirates. With approximately 2,200 highly qualified  
13 individuals across a global network of 60 offices, we help shape infrastructure and improve  
14 communities in more than 65 countries. Gannett Fleming Valuation and Rate Consultants,  
15 LLC and its predecessor, the Valuation and Rate Division of Gannett Fleming, Inc., have  
16 provided service to utility companies since the late 1930s and, in the last five years, have  
17 prepared over 100 depreciation and valuation studies. Gannett Fleming staff has an  
18 unparalleled depth and breadth of experience in the field of depreciation. This expertise  
19 has been gained not only by conducting depreciation studies but also by actively  
20 participating within the depreciation field as educators and members of organizations that  
21 form depreciation standards.

22 **Q. HOW LONG HAVE YOU BEEN ASSOCIATED WITH GANNETT FLEMING?**

1 A. I have been associated with the firm since college graduation in June, 1986.

2 **Q. WHAT IS YOUR POSITION WITH THE FIRM?**

3 A. I am Senior Vice President.

4 **Q. WHAT IS YOUR EDUCATIONAL BACKGROUND?**

5 A. I have Bachelor of Science degrees in Industrial Management and Mathematics from  
6 Carnegie-Mellon University and a Master of Business Administration from York College  
7 of Pennsylvania.

8 **Q. DO YOU BELONG TO ANY PROFESSIONAL SOCIETIES?**

9 A. Yes. I am a member and past President of the Society of Depreciation Professionals. I am  
10 also a member of the American Gas Association/Edison Electric Institute Industry  
11 Accounting Committee.

12 **Q. DO YOU HOLD ANY SPECIAL CERTIFICATION AS A DEPRECIATION  
13 EXPERT?**

14 A. Yes. The Society of Depreciation Professionals has established national standards for  
15 depreciation professionals. The Society administers an examination to become certified in  
16 this field. I passed the certification exam in September 1997 and was recertified in August  
17 2003, February 2008, January 2013 and February 2018.

18 **Q. HAVE YOU HAD ANY ADDITIONAL EDUCATION RELATING TO UTILITY  
19 PLANT DEPRECIATION?**

20 A. Yes. I have completed the following courses conducted by Depreciation Programs, Inc.:  
21 "Techniques of Life Analysis," "Techniques of Salvage and Depreciation Analysis,"  
22 "Forecasting Life and Salvage," "Modeling and Life Analysis Using Simulation," and  
23 "Managing a Depreciation Study." I have also completed the "Introduction to Public



1 Utility Accounting” program conducted by the American Gas Association.

2 **Q. PLEASE OUTLINE YOUR EXPERIENCE IN THE FIELD OF DEPRECIATION.**

3 A. Yes. I have 32 years of depreciation experience which includes giving expert testimony in  
4 over 290 cases before 40 regulatory commissions, including this Commission. Please refer  
5 to Exhibit JJS-1 for my qualifications. In addition to the cases that I have submitted  
6 testimony, I have supervised over 600 other depreciation or valuation projects.

7 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?**

8 A. I am sponsoring the depreciation studies that Gannett Fleming performed for Louisville  
9 Gas and Electric Company and Kentucky Utilities Company attached hereto as Exhibit JJS-  
10 LG&E-1 and Exhibit-JJS-KU-1.

**II. DEPRECIATION STUDY**

11 **Q. PLEASE DEFINE THE CONCEPT OF DEPRECIATION.**

12 A. Depreciation refers to the loss in service value not restored by current maintenance,  
13 incurred in connection with the consumption or prospective retirement of utility plant in  
14 the course of service from causes which are known to be in current operation, against  
15 which the company is not protected by insurance. Among the causes to be given  
16 consideration are wear and tear, decay, action of the elements, inadequacy, obsolescence,  
17 changes in the art, changes in demand and the requirements of public authorities.

18 **Q. DID YOU PREPARE THE DEPRECIATION STUDIES FILED BY LOUISVILLE  
19 GAS AND ELECTRIC COMPANY AND KENTUCKY UTILITIES COMPANY IN  
20 THIS PROCEEDING?**

21 A. Yes. I prepared the depreciation studies submitted by Louisville Gas and Electric  
22 Company and Kentucky Utilities Company (“Companies”) with their filings in this

1 proceeding. These studies are attached as Exhibits JJS-LG&E-1 and JJS-KU-1. My  
2 reports are entitled: "2017 Depreciation Study - Calculated Annual Depreciation Accruals  
3 Related to Steam Generation Plant as of December 31, 2017." These reports set forth the  
4 results of my depreciation studies for each Company.

5 **Q. IN PREPARING THE DEPRECIATION STUDIES, DID YOU FOLLOW**  
6 **GENERALLY ACCEPTED PRACTICES IN THE FIELD OF DEPRECIATION**  
7 **VALUATION?**

8 A. Yes.

9 **Q. ARE THE METHODS AND PROCEDURES OF THESE DEPRECIATION**  
10 **STUDIES CONSISTENT WITH PAST PRACTICES?**

11 A. The methods and procedures of these studies are the same as those utilized in past studies  
12 of each Company as well as others before this Commission. The depreciation rates  
13 recommended in my studies are determined based on the average service life procedure and  
14 the remaining life method.

15 **Q. ARE THE UNDERLYING LIFE AND NET SALVAGE PARAMETERS AND**  
16 **RESULTING DEPRECIATION ISSUES IN THIS STUDY CONSISTENT WITH**  
17 **INDUSTRY TRENDS?**

18 A. Yes. The life and net salvage parameters for LG&E and KU have changed consistently  
19 with others in the industry as well as the major changes to steam production asset mix.

20 **Q. PLEASE DESCRIBE THE CONTENTS OF YOUR REPORTS.**

21 A. Each Depreciation Study is presented in nine parts. Part I, Introduction, presents the scope  
22 and basis for the depreciation study. Part II, Estimation of Survivor Curves, includes  
23 descriptions of the methodology of estimating survivor curves. Parts III and IV set forth

1 the analysis for determining life and net salvage estimates. Part V, Calculation of Annual  
2 and Accrued Depreciation, includes the concepts of depreciation using the remaining life.  
3 Part VI, Results of Study, presents a description of the results of my analysis and a  
4 summary of the depreciation calculations. Parts VII, VIII and IX include graphs and tables  
5 that relate to the service life and net salvage analyses, and the detailed depreciation  
6 calculations by account.

7 Table 1 on pages VI-4 and VI-5 of Exhibit JJS-LG&E-1 and on pages VI-4 and VI-  
8 5 of Exhibit JJS-KU-1 present the estimated survivor curve, the net salvage percent, the  
9 original cost as of December 31, 2017, the book depreciation reserve, and the calculated  
10 annual depreciation accrual and rate for each account or subaccount. The section  
11 beginning on page VII-2 presents the results of the retirement rate analyses prepared as the  
12 historical bases for the service life estimates. The section beginning on page VIII-2  
13 presents the results of the salvage analysis. The section beginning on page IX-2 presents  
14 the depreciation calculations related to surviving original cost as of December 31, 2017.

15 **Q. PLEASE EXPLAIN HOW YOU PERFORMED YOUR DEPRECIATION STUDY.**

16 A. I used the straight line remaining life method of depreciation, with the average service life  
17 procedure. The annual depreciation is based on a method of depreciation accounting that  
18 seeks to distribute the unrecovered cost of fixed capital assets over the estimated remaining  
19 useful life of each unit, or group of assets, in a systematic and reasonable manner.

20 **Q. HOW DID YOU DETERMINE THE RECOMMENDED ANNUAL  
21 DEPRECIATION ACCRUAL RATES?**

22 A. I did this in two phases. In the first phase, I estimated the service life and net salvage  
23 characteristics for each depreciable group, that is, each plant account or subaccount

1 identified as having similar characteristics. In the second phase, I calculated the composite  
2 remaining lives and annual depreciation accrual rates based on the service life and net  
3 salvage estimates determined in the first phase.

4 **Q. WILL YOU PLEASE DESCRIBE THE FIRST PHASE OF THE DEPRECIATION**  
5 **STUDY, IN WHICH YOU ESTIMATED THE SERVICE LIFE AND NET**  
6 **SALVAGE CHARACTERISTICS FOR EACH DEPRECIABLE GROUP?**

7 A. The service life and net salvage studies consisted of compiling historical data from records  
8 related to Louisville Gas and Electric Company's and Kentucky Utilities Company's plant;  
9 analyzing these data to obtain historical trends of survivor characteristics; obtaining  
10 supplementary information from management and operating personnel concerning  
11 practices and plans related to plant operations; and interpreting the data and the estimates  
12 used by other electric utilities to form judgments of average service life and net salvage  
13 characteristics.

14 **Q. WHAT HISTORICAL DATA DID YOU ANALYZE FOR THE PURPOSE OF**  
15 **ESTIMATING SERVICE LIFE CHARACTERISTICS?**

16 A. I analyzed the Companies' accounting entries that record plant transactions during the  
17 period 1954 through 2017 for LG&E and during the period 1926 through 2017 for KU.  
18 The transactions included additions, retirements, transfers, sales and the related balances.

19 **Q. WHAT METHOD DID YOU USE TO ANALYZE THESE SERVICE LIFE DATA?**

20 A. I used the retirement rate method. This is the most appropriate method when retirement  
21 data covering a long period of time is available because this method determines the average  
22 rates of retirement actually experienced by the Companies' during the period of time  
23 covered by the depreciation study.

1 **Q. PLEASE DESCRIBE HOW YOU USED THE RETIREMENT RATE METHOD TO**  
2 **ANALYZE BOTH COMPANIES' SERVICE LIFE DATA.**

3 A. I applied the retirement rate analysis to each different group of property in each study. For  
4 each property group, I used the retirement rate data to form a life table which, when  
5 plotted, shows an original survivor curve for that property group. Each original survivor  
6 curve represents the average survivor pattern experienced by the several vintage groups  
7 during the experience band studied. The survivor patterns do not necessarily describe the  
8 life characteristics of the property group; therefore, interpretation of the original survivor  
9 curves is required in order to use them as valid considerations in estimating service life.  
10 The Iowa type survivor curves were used to perform these interpretations.

11 **Q. WHAT IS AN "IOWA-TYPE SURVIVOR CURVE" AND HOW DID YOU USE**  
12 **SUCH CURVES TO ESTIMATE THE SERVICE LIFE CHARACTERISTICS FOR**  
13 **EACH PROPERTY GROUP?**

14 A. Iowa type curves are a widely-used group of survivor curves that contain the range of  
15 survivor characteristics usually experienced by utilities and other industrial companies. A  
16 survivor curve is a graphical depiction of the amount of property existing at each age  
17 throughout the life of an asset class. The Iowa curves were developed at the Iowa State  
18 College Engineering Experiment Station through an extensive process of observing and  
19 classifying the ages at which various types of property used by utilities and other industrial  
20 companies had been retired.

21 Iowa type curves are used to smooth and extrapolate original survivor curves  
22 determined by the retirement rate method. The Iowa curves and truncated Iowa curves

1 were used in this study to describe the forecasted rates of retirement based on the observed  
2 rates of retirement and the outlook for future retirements.

3 The estimated survivor curve designations for each depreciable property group  
4 indicate the average service life, the family within the Iowa curve system to which the  
5 property group belongs, and the relative height of the mode. For example, the Iowa 70-  
6 R1.5 indicates an average service life of seventy years; a right-moded, or R, type curve (the  
7 mode occurs after average life for right-moded curves); and a low height, 1.5, for the mode  
8 (possible modes for R type curves range from 1 to 5).

9 **Q. WHAT APPROACH DID YOU USE TO ESTIMATE THE LIVES OF**  
10 **SIGNIFICANT FACILITIES STRUCTURES SUCH AS PRODUCTION PLANTS?**

11 A. I used the life span technique to estimate the lives of significant facilities for which  
12 concurrent retirement of the entire facility is anticipated. In this technique, the survivor  
13 characteristics of such facilities are described by the use of interim survivor curves and  
14 estimated probable retirement dates.

15 The interim survivor curves describe the rate of retirement related to the  
16 replacement of elements of the facility, such as, for a building, the retirements of plumbing,  
17 heating, doors, windows, roofs, etc., that occurs during the life of the facility. The  
18 probable retirement date provides the rate of final retirement for each year of installation  
19 for the facility by truncating the interim survivor curve for each installation year at its  
20 attained age at the date of probable retirement. The use of interim survivor curves  
21 truncated at the date of probable retirement provides a consistent method for estimating the  
22 lives of the several years of installation for a particular facility inasmuch as a single  
23 concurrent retirement for all years of installation will occur when it is retired.

1 **Q. HAS GANNETT FLEMING USED THIS APPROACH IN OTHER**  
2 **PROCEEDINGS?**

3 A. Yes, we have used the life span technique in performing depreciation studies presented to  
4 and accepted by many public utility commissions across the United States and Canada,  
5 including Kentucky. This technique is currently being utilized by Louisville Gas and  
6 Electric Company and Kentucky Utilities Company in the same manner recommended in  
7 this case.

8 **Q. WHAT ARE THE BASES FOR THE PROBABLE RETIREMENT YEARS THAT**  
9 **YOU HAVE ESTIMATED FOR EACH FACILITY?**

10 A. The bases for the probable retirement years are life spans for each facility that are based on  
11 informed judgment, and incorporate consideration of the age, use, size, nature of  
12 construction, management outlook and typical life spans experienced and used by other  
13 electric utilities for similar facilities. Most of the life spans result in probable retirement  
14 years that are many years in the future. As a result, the retirements of these facilities are  
15 not yet subject to specific management plans. Such plans would be premature. At the  
16 appropriate time, studies of the economics of rehabilitation and continued use or retirement  
17 of the structure will be performed and the results incorporated into the estimation of the  
18 facility's life span.

19 **Q. HAVE YOU PHYSICALLY OBSERVED LG&E'S AND KU'S PLANT AND**  
20 **EQUIPMENT AS PART OF YOUR DEPRECIATION STUDIES?**

21 A. Yes. I have made field reviews of LG&E and KU's property as part of past studies during  
22 April and May 2007, October 2011 and October 2015 to observe representative portions of  
23 plant. Field reviews are commonly taken every 4 to 5 years in order to identify change in

1 asset condition. Field reviews are conducted to become familiar with a company's  
2 operations and obtain an understanding of the function of the plant and information with  
3 respect to the reasons for past retirements and the expected future causes of retirements.  
4 This knowledge as well as information from other discussions with management was  
5 incorporated in the interpretation and extrapolation of the statistical analyses.

6 **Q. PLEASE DESCRIBE HOW YOU ESTIMATED NET SALVAGE PERCENTAGES.**

7 A. I estimated the net salvage percentages by incorporating the historical data for the period  
8 1972 through 2017 for LG&E and 1988 through 2017 for KU and considered estimates for  
9 other electric companies.

10 **Q. HAVE YOU INCLUDED A DISMANTLEMENT COMPONENT INTO THE  
11 OVERALL RECOVERY OF GENERATING FACILITIES?**

12 A. Yes. A dismantlement component has been included to the net salvage percentage for all  
13 steam production facilities.

14 **Q. CAN YOU EXPLAIN WHY AND HOW THE DISMANTLEMENT COMPONENT  
15 IS INCLUDED IN THE DEPRECIATION STUDY?**

16 A. Yes. The dismantlement component is part of the overall net salvage for each location  
17 within the production assets. Based on studies for other utilities and the cost estimates of  
18 some LG&E and KU facilities, it was determined that the dismantlement or  
19 decommissioning costs for steam production facilities are best calculated at \$40/KW of the  
20 assets subject to final retirement. The cost estimate of dismantlement of the Cane Run  
21 facility was a primary resource for the \$40/KW component as Cane Run is most similar to  
22 the remaining facilities to be dismantled. These amounts at a location basis are added to  
23 the interim net salvage percentage of the assets anticipated to be retired on an interim basis



1 to produce the weighted net salvage percentage for each location. The detailed calculation  
2 for each location is set forth on page VIII-2 Exhibit JJS-LG&E-1 and page VIII-2 of  
3 Exhibit JJS-KU-1.

4 **Q. IS THIS METHODOLOGY A CHANGE FROM CURRENT PRACTICES?**

5 A. No. The current practice for LG&E and KU includes a low level of terminal net salvage  
6 combined with the interim net salvage percentage. In this study, the methodology  
7 continues to advance to a more precise practice and is utilized by most utilities. The  
8 weighting of the interim and final net salvage by location establishes a more precise  
9 recovery pattern for each location.

10 **Q. PLEASE DESCRIBE THE SECOND PHASE OF THE PROCESS THAT YOU**  
11 **USED IN THE DEPRECIATION STUDY IN WHICH YOU CALCULATED THE**  
12 **COMPOSITE REMAINING LIVES AND ANNUAL DEPRECIATION ACCRUAL**  
13 **RATES.**

14 A. After I estimated the service life and net salvage characteristics for each depreciable  
15 property group, I calculated the annual depreciation accrual rates for each group, using the  
16 straight line remaining life method, and using the remaining lives weighted consistent with  
17 the average service life procedure.

18 **Q. PLEASE DESCRIBE THE STRAIGHT LINE REMAINING LIFE METHOD OF**  
19 **DEPRECIATION.**

20 A. The straight line remaining life method of depreciation allocates the original cost of the  
21 property, less accumulated depreciation, less future net salvage, in equal amounts to each  
22 year of remaining service life.

1 **Q. PLEASE USE AN EXAMPLE TO ILLUSTRATE HOW THE ANNUAL**  
2 **DEPRECIATION ACCRUAL RATE FOR A PARTICULAR GROUP OF**  
3 **PROPERTY IS PRESENTED IN YOUR DEPRECIATION STUDIES.**

4 A. I will use KU Plant Account 312, Boiler Plant Equipment, as an example because it is the  
5 largest depreciable account and represents approximately 79% of depreciable steam  
6 production plant.

7 The retirement rate method was used to analyze the survivor characteristics of this  
8 property group. Aged plant accounting data was compiled from 1926 through 2017 and  
9 analyzed in periods that best represent the overall service life of this property. The life  
10 tables for the 1926-2017 and 1978-2017 experience bands are presented on pages VII-8  
11 through VII-11 of the report. The life tables display the retirement and surviving ratios of  
12 the aged plant data exposed to retirement by age interval. For example, page VII-\_\_ shows  
13 \$2,670,287 retired at age 1.5 with \$3,983,390,994 exposed to retirement. Consequently,  
14 the retirement ratio is 0.0007; and the surviving ratio is 0.9993. These life tables, or  
15 original survivor curves, are plotted along with the estimated smooth survivor curve, as  
16 shown on the 70-R1.5 on page VII-7.

17 The interim net salvage analyses for Account 312, Boiler Plant Equipment, is  
18 presented on pages VIII-5 and VIII-6 of the Depreciation Study. The percentage is based  
19 on the result of annual gross salvage minus the cost to remove plant assets as compared to  
20 the original cost of plant retired during the period 1988 through 2017. This 30-year period  
21 experienced \$43,002,073 (\$3,929,933-\$46,932,006) in negative net salvage for  
22 \$155,030,596 plant retired. The result is negative net salvage of 28 percent  
23 (\$43,002,073/\$155,030,596). Based on the overall negative 28 percent net salvage and the

1 most recent five years of negative 31 percent, it was determined that negative 30 percent is  
2 the most appropriate interim estimate. The percentage is combined with the terminal net  
3 salvage component by location to create a weighted net salvage percent by unit.

4 My calculation of the annual depreciation related to the original cost at December  
5 31, 2017, of utility plant is presented on pages IX-15 through IX-25. The calculation is  
6 based on the 70-R1.5 survivor curve, weighted negative net salvage by unit of 6 to 13  
7 percent, the attained age, and the allocated book reserve. The tabulation sets forth the  
8 installation year, the original cost, calculated accrued depreciation, allocated book reserve,  
9 future accruals, remaining life and annual accrual. These totals are brought forward to the  
10 table on page VI-4.

11 **Q. ARE REQUIREMENTS AND DEPRECIATION RATES FOR STEAM ASSETS**  
12 **CHANGING MORE FREQUENTLY THAN OTHER ELECTRIC ASSETS?**

13 A. Yes. Many utilities assets have long physical lives, however, service lives are driven by  
14 more than physical characteristics. In the case of steam assets, and particularly coal assets,  
15 review of depreciation rates need to be updated more frequently due to regulations.

16 **Q. WERE THERE SPECIFIC GENERATING UNITS WHICH HAVE**  
17 **CONSIDERABLE CHANGE IN LIFE EXPECTATION?**

18 A. Yes. The E.W. Brown Units 1 and 2 have much shorter remaining lives that are driven by  
19 more than physical characteristics. E. W. Brown Units 1 and 2 are to be retired by  
20 February 2019.

21 **Q. HAS THE SHORTER REMAINING LIFE FOR BROWN UNITS 1 AND 2 BEEN**  
22 **REFLECTED IN HIGHER DEPRECIATION RATES?**

1 A. No. The accumulated depreciation of the Brown Units 1 and 2 have been adjusted to  
2 reflect the more appropriate theoretical reserve. The amount of the adjustment is offset by  
3 Brown Unit 3, which has a longer remaining life.

4

5 **III. CONCLUSION**

6 **Q. IN YOUR OPINION, ARE THE DEPRECIATION RATES SET FORTH IN**  
7 **EXHIBIT JJS-LG&E-1 AND EXHIBIT JJS-KU-1 THE RECOMMENDED RATES**  
8 **FOR THE KENTUCKY PUBLIC SERVICE COMMISSION TO ADOPT IN THIS**  
9 **PROCEEDING FOR LG&E AND KU?**

10 A. Yes, these rates appropriately reflect the rates at which the value of LG&E's and KU's  
11 steam generation assets are being consumed over their useful lives. These rates are an  
12 appropriate basis for setting electric rates in this matter and for the Companies' to use for  
13 booking depreciation expense going forward.

14 **Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

15 A. Yes.

Exhibit JJS-1

**JOHN SPANOS**

**DEPRECIATION EXPERIENCE**

**Q. Please state your name.**

A. My name is John J. Spanos.

**Q. What is your educational background?**

A. I have Bachelor of Science degrees in Industrial Management and Mathematics from Carnegie-Mellon University and a Master of Business Administration from York College.

**Q. Do you belong to any professional societies?**

A. Yes. I am a member and past President of the Society of Depreciation Professionals and a member of the American Gas Association/Edison Electric Institute Industry Accounting Committee.

**Q. Do you hold any special certification as a depreciation expert?**

A. Yes. The Society of Depreciation Professionals has established national standards for depreciation professionals. The Society administers an examination to become certified in this field. I passed the certification exam in September 1997 and was recertified in August 2003, February 2008, January 2013 and February 2018.

**Q. Please outline your experience in the field of depreciation.**

A. In June, 1986, I was employed by Gannett Fleming Valuation and Rate Consultants, Inc. as a Depreciation Analyst. During the period from June, 1986 through December, 1995, I helped prepare numerous depreciation and original cost studies for utility companies in various industries. I helped perform depreciation studies for the following telephone companies: United Telephone of Pennsylvania, United Telephone of New Jersey, and Anchorage Telephone Utility. I helped perform depreciation studies for the following

companies in the railroad industry: Union Pacific Railroad, Burlington Northern Railroad, and Wisconsin Central Transportation Corporation.

I helped perform depreciation studies for the following organizations in the electric utility industry: Chugach Electric Association, The Cincinnati Gas and Electric Company (CG&E), The Union Light, Heat and Power Company (ULH&P), Northwest Territories Power Corporation, and the City of Calgary - Electric System.

I helped perform depreciation studies for the following pipeline companies: TransCanada Pipelines Limited, Trans Mountain Pipe Line Company Ltd., Interprovincial Pipe Line Inc., Nova Gas Transmission Limited and Lakehead Pipeline Company.

I helped perform depreciation studies for the following gas utility companies: Columbia Gas of Pennsylvania, Columbia Gas of Maryland, The Peoples Natural Gas Company, T. W. Phillips Gas & Oil Company, CG&E, ULH&P, Lawrenceburg Gas Company and Penn Fuel Gas, Inc.

I helped perform depreciation studies for the following water utility companies: Indiana-American Water Company, Consumers Pennsylvania Water Company and The York Water Company; and depreciation and original cost studies for Philadelphia Suburban Water Company and Pennsylvania-American Water Company.

In each of the above studies, I assembled and analyzed historical and simulated data, performed field reviews, developed preliminary estimates of service life and net salvage, calculated annual depreciation, and prepared reports for submission to state public utility commissions or federal regulatory agencies. I performed these studies under the general direction of William M. Stout, P.E.

In January, 1996, I was assigned to the position of Supervisor of Depreciation Studies. In July, 1999, I was promoted to the position of Manager, Depreciation and

Valuation Studies. In December, 2000, I was promoted to the position as Vice-President of Gannett Fleming Valuation and Rate Consultants, Inc. and in April 2012, I was promoted to my present position as Senior Vice President of the Valuation and Rate Division of Gannett Fleming Inc. (now doing business as Gannett Fleming Valuation and Rate Consultants, LLC). In my current position I am responsible for conducting all depreciation, valuation and original cost studies, including the preparation of final exhibits and responses to data requests for submission to the appropriate regulatory bodies.

Since January 1996, I have conducted depreciation studies similar to those previously listed including assignments for Pennsylvania-American Water Company; Aqua Pennsylvania; Kentucky-American Water Company; Virginia-American Water Company; Indiana-American Water Company; Iowa-American Water Company; New Jersey-American Water Company; Hampton Water Works Company; Omaha Public Power District; Enbridge Pipe Line Company, Inc.; Columbia Gas of Virginia, Inc.; Virginia Natural Gas Company National Fuel Gas Distribution Corporation - New York and Pennsylvania Divisions; The City of Bethlehem - Bureau of Water; The City of Coatesville Authority; The City of Lancaster - Bureau of Water; Peoples Energy Corporation; The York Water Company; Public Service Company of Colorado; Enbridge Pipelines; Enbridge Gas Distribution, Inc.; Reliant Energy-HLP; Massachusetts-American Water Company; St. Louis County Water Company; Missouri-American Water Company; Chugach Electric Association; Alliant Energy; Oklahoma Gas & Electric Company; Nevada Power Company; Dominion Virginia Power; NUI-Virginia Gas Companies; Pacific Gas & Electric Company; PSI Energy; NUI - Elizabethtown Gas Company; Cinergy Corporation - CG&E; Cinergy Corporation - ULH&P; Columbia Gas of Kentucky; South Carolina Electric & Gas Company; Idaho Power Company; El Paso



Electric Company; Aqua North Carolina; Aqua Ohio; Aqua Texas, Inc.; Ameren Missouri; Central Hudson Gas & Electric; Centennial Pipeline Company; CenterPoint Energy-Arkansas; CenterPoint Energy – Oklahoma; CenterPoint Energy – Entex; CenterPoint Energy - Louisiana; NSTAR – Boston Edison Company; Westar Energy, Inc.; United Water Pennsylvania; PPL Electric Utilities; PPL Gas Utilities; Wisconsin Power & Light Company; TransAlaska Pipeline; Avista Corporation; Northwest Natural Gas; Allegheny Energy Supply, Inc.; Public Service Company of North Carolina; South Jersey Gas Company; Duquesne Light Company; MidAmerican Energy Company; Laclede Gas; Duke Energy Company; E.ON U.S. Services Inc.; Elkton Gas Services; Anchorage Water and Wastewater Utility; Kansas City Power and Light; Duke Energy North Carolina; Duke Energy South Carolina; Monongahela Power Company; Potomac Edison Company; Duke Energy Ohio Gas; Duke Energy Kentucky; Duke Energy Indiana; Duke Energy Progress; Northern Indiana Public Service Company; Tennessee-American Water Company; Columbia Gas of Maryland; Bonneville Power Administration; NSTAR Electric and Gas Company; EPCOR Distribution, Inc.; B. C. Gas Utility, Ltd; Entergy Arkansas; Entergy Texas; Entergy Mississippi; Entergy Louisiana; Entergy Gulf States Louisiana; the Borough of Hanover; Louisville Gas and Electric Company; Kentucky Utilities Company; Madison Gas and Electric; Central Maine Power; PEPCO; PacifiCorp; Minnesota Energy Resource Group; Jersey Central Power & Light Company; Cheyenne Light, Fuel and Power Company; United Water Arkansas; Central Vermont Public Service Corporation; Green Mountain Power; Portland General Electric Company; Atlantic City Electric; Nicor Gas Company; Black Hills Power; Black Hills Colorado Gas; Black Hills Kansas Gas; Black Hills Service Company; Black Hills Utility Holdings; Public Service Company of Oklahoma; City of Dubois; Peoples Gas Light and Coke Company; North Shore Gas

Company; Connecticut Light and Power; New York State Electric and Gas Corporation; Rochester Gas and Electric Corporation; Greater Missouri Operations; Tennessee Valley Authority; Omaha Public Power District; Indianapolis Power & Light Company; Vermont Gas Systems, Inc.; Metropolitan Edison; Pennsylvania Electric; West Penn Power; Pennsylvania Power; PHI Service Company - Delmarva Power and Light; Atmos Energy Corporation; Citizens Energy Group; PSE&G Company; Berkshire Gas Company; Alabama Gas Corporation; Mid-Atlantic Interstate Transmission, LLC; SUEZ Water; WEC Energy Group; Rocky Mountain Natural Gas, LLC; Illinois-American Water Company and Northern Illinois Gas Company.

My additional duties include determining final life and salvage estimates, conducting field reviews, presenting recommended depreciation rates to management for its consideration and supporting such rates before regulatory bodies.

**Q. Have you submitted testimony to any state utility commission on the subject of utility plant depreciation?**

A. Yes. I have submitted testimony to the Pennsylvania Public Utility Commission; the Commonwealth of Kentucky Public Service Commission; the Public Utilities Commission of Ohio; the Nevada Public Utility Commission; the Public Utilities Board of New Jersey; the Missouri Public Service Commission; the Massachusetts Department of Telecommunications and Energy; the Alberta Energy & Utility Board; the Idaho Public Utility Commission; the Louisiana Public Service Commission; the State Corporation Commission of Kansas; the Oklahoma Corporate Commission; the Public Service Commission of South Carolina; Railroad Commission of Texas – Gas Services Division; the New York Public Service Commission; Illinois Commerce Commission; the Indiana Utility Regulatory Commission; the California Public Utilities Commission; the Federal

Energy Regulatory Commission ("FERC"); the Arkansas Public Service Commission; the Public Utility Commission of Texas; Maryland Public Service Commission; Washington Utilities and Transportation Commission; The Tennessee Regulatory Commission; the Regulatory Commission of Alaska; Minnesota Public Utility Commission; Utah Public Service Commission; District of Columbia Public Service Commission; the Mississippi Public Service Commission; Delaware Public Service Commission; Virginia State Corporation Commission; Colorado Public Utility Commission; Oregon Public Utility Commission; South Dakota Public Utilities Commission; Wisconsin Public Service Commission; Wyoming Public Service Commission; Maine Public Utility Commission; Iowa Utility Board; Connecticut Public Utilities Regulatory Authority; New Mexico Public Regulation Commission; Commonwealth of Massachusetts Department of Public Utilities; Rhode Island Public Utilities Commission and the North Carolina Utilities Commission.

**Q. Have you had any additional education relating to utility plant depreciation?**

A. Yes. I have completed the following courses conducted by Depreciation Programs, Inc.: "Techniques of Life Analysis," "Techniques of Salvage and Depreciation Analysis," "Forecasting Life and Salvage," "Modeling and Life Analysis Using Simulation," and "Managing a Depreciation Study." I have also completed the "Introduction to Public Utility Accounting" program conducted by the American Gas Association.

**Q. Does this conclude your qualification statement?**

A. Yes.

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>	
01.	1998	PA PUC	R-00984375	City of Bethlehem -- Bureau of Water	Original Cost and Depreciation
02.	1998	PA PUC	R-00984567	City of Lancaster	Original Cost and Depreciation
03.	1999	PA PUC	R-00994605	The York Water Company	Depreciation
04.	2000	D.T.&E.	DTE 00-105	Massachusetts-American Water Company	Depreciation
05.	2001	PA PUC	R-00016114	City of Lancaster	Original Cost and Depreciation
06.	2001	PA PUC	R-00017236	The York Water Company	Depreciation
07.	2001	PA PUC	R-00016339	Pennsylvania-American Water Company	Depreciation
08.	2001	OH PUC	01-1228-GA-AIR	Cinergy Corp -- Cincinnati Gas & Elect Co.	Depreciation
09.	2001	KY PSC	2001-092	Cinergy Corp -- Union Light, Heat & Power Co.	Depreciation
10.	2002	PA PUC	R-00016750	Philadelphia Suburban Water Company	Depreciation
11.	2002	KY PSC	2002-00145	Columbia Gas of Kentucky	Depreciation
12.	2002	NJ BPU	GF02040245	NUI Corporation/Elizabethtown Gas Co.	Depreciation
13.	2002	ID PUC	IPC-E-03-7	Idaho Power Company	Depreciation
14.	2003	PA PUC	R-0027975	The York Water Company	Depreciation
15.	2003	IN URC	R-0027975	Cinergy Corp -- PSI Energy, Inc.	Depreciation
16.	2003	PA PUC	R-00038304	Pennsylvania-American Water Co.	Depreciation
17.	2003	MO PSC	WR-2003-0500	Missouri-American Water Co.	Depreciation
18.	2003	FERC	ER-03-1274-000	NSTAR-Boston Edison Company	Depreciation
19.	2003	NJ BPU	BPU 03080683	South Jersey Gas Company	Depreciation
20.	2003	NV PUC	03-10001	Nevada Power Company	Depreciation
21.	2003	LA PSC	U-27676	CenterPoint Energy -- Arkla	Depreciation
22.	2003	PA PUC	R-00038805	Pennsylvania Suburban Water Company	Depreciation
23.	2004	AB En/Util Bd	1306821	EPCOR Distribution, Inc.	Depreciation
24.	2004	PA PUC	R-00038168	National Fuel Gas Distribution Corp (PA)	Depreciation
25.	2004	PA PUC	R-00049255	PPL Electric Utilities	Depreciation
26.	2004	PA PUC	R-00049165	The York Water Company	Depreciation
27.	2004	OK Corp Cm	PUC 200400187	CenterPoint Energy -- Arkla	Depreciation
28.	2004	OH PUC	04-680-EI-AIR	Cinergy Corp. -- Cincinnati Gas and Electric Company	Depreciation
29.	2004	RR Com of TX	GUD#	CenterPoint Energy -- Entex Gas Services Div.	Depreciation
30.	2004	NY PUC	04-G-1047	National Fuel Gas Distribution Gas (NY)	Depreciation
31.	2004	AR PSC	04-121-U	CenterPoint Energy -- Arkla	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
32.	2005	IL CC	05-	North Shore Gas Company	Depreciation
33.	2005	IL CC	05-	Peoples Gas Light and Coke Company	Depreciation
34.	2005	KY PSC	2005-00042	Union Light Heat & Power	Depreciation
35.	2005	IL CC	05-0308	MidAmerican Energy Company	Depreciation
36.	2005	MO PSC	GF-2005	Laclede Gas Company	Depreciation
37.	2005	KS CC	05-WSEE-981-RT5	Westar Energy	Depreciation
38.	2005	RR Com of TX	GUD #	CenterPoint Energy – Entex Gas Services Div.	Depreciation
39.	2005	FERC		Cinergy Corporation	Accounting
40.	2005	OK CC	PUD 200500151	Oklahoma Gas and Electric Co.	Depreciation
41.	2005	MA Dept Tele- com & Ergy	DTE 05-85	NSTAR	Depreciation
42.	2005	NY PUC	05-F-934/05-G-0935	Central Hudson Gas & Electric Co.	Depreciation
43.	2005	AK Reg Com	U-04-102	Chugach Electric Association	Depreciation
44.	2005	CA PUC	A05-12-002	Pacific Gas & Electric	Depreciation
45.	2006	PA PUC	R-00051030	Acqua Pennsylvania, Inc.	Depreciation
46.	2006	PA PUC	R-00051178	T.W. Phillips Gas and Oil Co.	Depreciation
47.	2006	NC Util Cm.		Pub. Service Co. of North Carolina	Depreciation
48.	2006	PA PUC	R-00051167	City of Lancaster	Depreciation
49.	2006	PA PUC	R00061346	Duquesne Light Company	Depreciation
50.	2006	PA PUC	R-00061322	The York Water Company	Depreciation
51.	2006	PA PUC	R-00051298	PPL GAS Utilities	Depreciation
52.	2006	PUC of TX	32093	CenterPoint Energy – Houston Electric	Depreciation
53.	2006	KY PSC	2006-00172	Duke Energy Kentucky	Depreciation
54.	2006	SC PSC		SCANA	
55.	2006	AK Reg Com	U-06-6	Municipal Light and Power	Depreciation
56.	2006	DE PSC	06-284	Delmarva Power and Light	Depreciation
57.	2006	IN URC	IURC43081	Indiana American Water Company	Depreciation
58.	2006	AK Reg Com	U-06-134	Chugach Electric Association	Depreciation
59.	2006	MO PSC	WR-2007-0216	Missouri American Water Company	Depreciation
60.	2006	FERC	ISO82, ETC. AL	TransAlaska Pipeline	Depreciation
61.	2006	PA PUC	R-00061493	National Fuel Gas Distribution Corp. (PA)	Depreciation
62.	2007	NC Util Com.	E-7 SU8 828	Duke Energy Carolinas, LLC	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client/Utility</u>	<u>Subject</u>
63.	2007	OH PSC	08-709-EL-AIR	Duke Energy Ohio Gas	Depreciation
64.	2007	PA PUC	R-00072155	PPL Electric Utilities Corporation	Depreciation
65.	2007	KY PSC	2007-00143	Kentucky American Water Company	Depreciation
66.	2007	PA PUC	R-00072229	Pennsylvania American Water Company	Depreciation
67.	2007	KY PSC	2007-0008	NISource – Columbia Gas of Kentucky	Depreciation
68.	2007	NY PSC	07-G-0141	National Fuel Gas Distribution Corp (NY)	Depreciation
69.	2008	AK PSC	U-08-004	Anchorage Water & Wastewater Utility	Depreciation
70.	2008	TN Reg Auth	08-00039	Tennessee-American Water Company	Depreciation
71.	2008	DE PSC	08-96	Artesian Water Company	Depreciation
72.	2008	PA PUC	R-2008-2023067	The York Water Company	Depreciation
73.	2008	KS CC	08-WSEE1-RTS	Westar Energy	Depreciation
74.	2008	IN URC	43526	Northern Indiana Public Service Co.	Depreciation
75.	2008	IN URC	43501	Duke Energy Indiana	Depreciation
76.	2008	MD PSC	9159	NISource – Columbia Gas of Maryland	Depreciation
77.	2008	KY PSC	2008-000251	Kentucky Utilities	Depreciation
78.	2008	KY PSC	2008-000252	Louisville Gas & Electric	Depreciation
79.	2008	PA PUC	2008-20322689	Pennsylvania American Water Co.-Wastewater	Depreciation
80.	2008	NY PSC	08-E887/08-00888	Central Hudson	Depreciation
81.	2008	WV TC	VE-080416/VG-8080417	Avista Corporation	Depreciation
82.	2008	IL CC	ICC-09-166	Peoples Gas, Light and Coke Co.	Depreciation
83.	2009	IL CC	ICC-09-167	North Shore Gas Company	Depreciation
84.	2009	DC PSC	1076	Potomac Electric Power Company	Depreciation
85.	2009	KY PSC	2009-00141	NISource – Columbia Gas of Kentucky	Depreciation
86.	2009	FERC	ER08-1056-002	Entergy Services	Depreciation
87.	2009	PA PUC	R-2009-2097323	Pennsylvania American Water Co.	Depreciation
88.	2009	NC Util Cm	E-7, Sub 090	Duke Energy Carolinas, LLC	Depreciation
89.	2009	KY PSC	2009-00202	Duke Energy Kentucky	Depreciation
90.	2009	VA St. CC	PUE-2009-00059	Aqua Virginia, Inc.	Depreciation
91.	2009	PA PUC	2009-2132019	Aqua Pennsylvania, Inc.	Depreciation
92.	2009	MS PSC	09-	Entergy Mississippi	Depreciation
93.	2009	AK PSC	09-08-U	Entergy Arkansas	Depreciation
94.	2009	TX PUC	37744	Entergy Texas	Depreciation
95.	2009	TX PUC	37690	El Paso Electric Company	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

Year	Jurisdiction	Docket No.	Client Utility	Subject	
96.	2009	PA PUC	R-2009-2106908	The Borough of Hanover	Depreciation
97.	2009	KS CC	10-KCPE-415-RTS	Kansas City Power & Light	Depreciation
98.	2009	PA PUC	R-2009-	United Water Pennsylvania	Depreciation
99.	2009	OH PUC		Aqua Ohio Water Company	Depreciation
100.	2009	WI PSC	3270-DU-103	Madison Gas & Electric Co.	Depreciation
101.	2009	MO PSC	WR-2010	Missouri American Water Co.	Depreciation
102.	2009	AK Reg Cm	U-09-097	Chugach Electric Association	Depreciation
103.	2010	IN URC	43969	Northern Indiana Public Service Co.	Depreciation
104.	2010	WI PSC	6690-DU-104	Wisconsin Public Service Corp.	Depreciation
105.	2010	PA PUC	R-2010-2161694	PPL Electric Utilities Corp.	Depreciation
106.	2010	KY PSC	2010-00036	Kentucky American Water Company	Depreciation
107.	2010	PA PUC	R-2009-2149262	Columbia Gas of Pennsylvania	Depreciation
108.	2010	MO PSC	GR-2010-0171	Laclede Gas Company	Depreciation
109.	2010	SC PSC	2009-489-E	South Carolina Electric & Gas Co.	Depreciation
110.	2010	NJ BD OF PU	ER09080664	Atlantic City Electric	Depreciation
111.	2010	VA St. CC	PUE-2010-00001	Virginia American Water Company	Depreciation
112.	2010	PA PUC	R-2010-2157140	The York Water Company	Depreciation
113.	2010	MO PSC	ER-2010-0356	Greater Missouri Operations Co.	Depreciation
114.	2010	MO PSC	ER-2010-0355	Kansas City Power and Light	Depreciation
115.	2010	PA PUC	R-2010-2167797	T.W. Phillips Gas and Oil Co.	Depreciation
116.	2010	PSC SC	2009-489-E	SCANRA - Electric	Depreciation
117.	2010	PA PUC	R-2010-22010702	Peoples Natural Gas, LLC	Depreciation
118.	2010	AK PSC	10-067-U	Oklahoma Gas and Electric Co.	Depreciation
119.	2010	IN URC		Northern Indiana Public Serv. Co. - NIFL	Depreciation
120.	2010	IN URC		Northern Indiana Public Serv. Co. - Kokomo	Depreciation
121.	2010	PA PUC	R-2010-2166212	Pennsylvania American Water Co - WW	Depreciation
122.	2010	NC Util Cn.	W-218,SUB310	Aqua North Carolina, Inc.	Depreciation
123.	2011	OH PUC	11-4161-WS-AIR	Ohio American Water Company	Depreciation
124.	2011	MS PSC	EC-123-0082-00	Entergy Mississippi	Depreciation
125.	2011	CO PUC	11AL-387E	Black Hills Colorado	Depreciation
126.	2011	PA PUC	R-2010-2215623	Columbia Gas of Pennsylvania	Depreciation
127.	2011	PA PUC	R-2010-2179103	Lancaster, City of - Bureau of Water	Depreciation
128.	2011	IN URC	43114 IGCC 4S	Duke Energy Indiana	Depreciation
129.	2011	FERC	611-146-000	Enbridge Pipelines (Southern Lights)	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>	
130.	2011	II CC	11-0217	MidAmerican Energy Corporation	Depreciation
131.	2011	OK CC	201100087	Oklahoma Gas & Electric Co.	Depreciation
132.	2011	PA PUC	2011-2232243	Pennsylvania American Water Company	Depreciation
133.	2011	FERC	2011-2232243	Carolina Gas Transmission	Depreciation
134.	2012	WA UTC	UE-120436/UG-120437	Avista Corporation	Depreciation
135.	2012	AK Reg Cm	U-12-009	Chugach Electric Association	Depreciation
136.	2012	MA PUC	OPU 12-25	Columbia Gas of Massachusetts	Depreciation
137.	2012	TX PUC	40094	El Paso Electric Company	Depreciation
138.	2012	ID PUC	IPC-E-12	Idaho Power Company	Depreciation
139.	2012	PA PUC	R-2012-2290597	PPL Electric Utilities	Depreciation
140.	2012	PA PUC	R-2012-2311725	Hanover, Borough of – Bureau of Water	Depreciation
141.	2012	KY PSC	2012-00222	Louisville Gas and Electric Company	Depreciation
142.	2012	KY PSC	2012-00221	Kentucky Utilities Company	Depreciation
143.	2012	PA PUC	R-2012-2285985	Peoples Natural Gas Company	Depreciation
144.	2012	DC PSC	Case 1087	Potomac Electric Power Company	Depreciation
145.	2012	OH PSC	12-1682-EL-AIR	Duke Energy Ohio (Electric)	Depreciation
146.	2012	OH PSC	12-1685-GA-AIR	Duke Energy Ohio (Gas)	Depreciation
147.	2012	PA PUC	R-2012-2310366	Lancaster, City of – Sewer Fund	Depreciation
148.	2012	PA PUC	R-2012-2321748	Columbia Gas of Pennsylvania	Depreciation
149.	2012	FERC	ER-12-2681-000	ITC Holdings	Depreciation
150.	2012	MO PSC	ER-2012-0174	Kansas City Power and Light	Depreciation
151.	2012	MO PSC	ER-2012-0175	KCP&L Greater Missouri Operations Co.	Depreciation
152.	2012	MO PSC	GO-2012-0363	Laclede Gas Company	Depreciation
153.	2012	MN PUC	G007,G01/D-12-533	Integrus – MN Energy Resource Group	Depreciation
153.	2012	TX PUC		Aqua Texas	Depreciation
155.	2012	PA PUC	2012-2336379	York Water Company	Depreciation
156.	2013	NJ BPU	ER12121071	PHI Service Co. – Atlantic City Electric	Depreciation
157.	2013	KY PSC	2013-00167	Columbia Gas of Kentucky	Depreciation
158.	2013	VA St CC	2013-00020	Virginia Electric and Power Co.	Depreciation
159.	2013	IA Util Bd	2013-0004	MidAmerican Energy Corporation	Depreciation
160.	2013	PA PUC	2013-2355276	Pennsylvania American Water Co.	Depreciation
161.	2013	NY PSC	13-E-0030, 13-G-0031, 13-S-0032	Consolidated Edison of New York	Depreciation
162.	2013	PA PUC	2013-2355886	Peoples TWP LLC	Depreciation



LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>	
163.	2013	TN Reg Auth	12-0504	Tennessee American Water	Depreciation
164.	2013	ME PUC	2013-168	Central Maine Power Company	Depreciation
165.	2013	DC PSC	Case 1103	PHI Service Co. – PEPCO	Depreciation
166.	2013	WY PSC	2003-ER-13	Cheyenne Light, Fuel and Power Co.	Depreciation
167.	2013	FERC	ER13 – 0000	Kentucky Utilities	Depreciation
168.	2013	FERC	ER13 – 0000	MidAmerican Energy Company	Depreciation
169.	2013	FERC	ER13 – 0000	PPI Utilities	Depreciation
170.	2013	PA PUC	R-2013-2372129	Duquesne Light Company	Depreciation
171.	2013	NJ BPU	ER12111052	Jersey Central Power and Light Co.	Depreciation
172.	2013	PA PUC	R-2013-2390244	Bethlehem, City of – Bureau of Water	Depreciation
173.	2013	OK CC	UM 1679	Oklahoma, Public Service Company of	Depreciation
174.	2013	IL CC	13-0500	Nicor Gas Company	Depreciation
175.	2013	WY PSC	20000-427-EA-13	PacifiCorp	Depreciation
176.	2013	UT PSC	13-035-02	PacifiCorp	Depreciation
177.	2013	OR PUC	UM 1647	PacifiCorp	Depreciation
178.	2013	PA PUC	2013-2350509	Dubois, City of	Depreciation
179.	2014	IL CC	14-0224	North Shore Gas Company	Depreciation
180.	2014	FERC	ER14-	Duquesne Light Company	Depreciation
181.	2014	SD PUC	EL14-026	Black Hills Power Company	Depreciation
182.	2014	WY PSC	20002-91-ER-14	Black Hills Power Company	Depreciation
183.	2014	PA PUC	2014-2428304	Hanover, Borough of – Municipal Water Works	Depreciation
184.	2014	PA PUC	2014-2406274	Columbia Gas of Pennsylvania	Depreciation
185.	2014	IL CC	14-0225	Peoples Gas Light and Coke Company	Depreciation
186.	2014	MO PSC	ER-2014-0258	Ameren Missouri	Depreciation
187.	2014	KS CC	14-BHCG-502-RTS	Black Hills Service Company	Depreciation
188.	2014	KS CC	14-BHCG-502-RTS	Black Hills Utility Holdings	Depreciation
189.	2014	KS CC	14-BHCG-502-RTS	Black Hills Kansas Gas	Depreciation
190.	2014	PA PUC	2014-2418872	Lancaster, City of – Bureau of Water	Depreciation
191.	2014	WV PSC	14-0701-E-D	First Energy – MonPower/PotomacEdison	Depreciation
192.	2014	VA St CC	PUC-2014-00045	Aqua Virginia	Depreciation
193.	2014	VA St CC	PUC-2013	Virginia American	Depreciation
194.	2014	OK CC	PUD201400229	Oklahoma Gas and Electric	Depreciation
195.	2014	OR PUC	UM1679	Portland General Electric	Depreciation
196.	2014	IN URC	Cause No. 44576	Indianapolis Power & Light	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client/Utility</u>	<u>Subject</u>	
197.	2014	MA DPU	DPU. 14-150	NSTAR Gas	Depreciation
198.	2014	CT PURA	14-05-06	Connecticut Light and Power	Depreciation
199.	2014	MO PSC	ER-2014-0370	Kansas City Power & Light	Depreciation
200.	2014	KY PSC	2014-00371	Kentucky Utilities Company	Depreciation
201.	2014	KY PSC	2014-00372	Louisville Gas and Electric Company	Depreciation
202.	2015	PA PUC	R-2015-2462723	United Water Pennsylvania Inc.	Depreciation
203.	2015	PA PUC	R-2015-2468056	Columbia Gas of Pennsylvania	Depreciation
204.	2015	NY PSC	15-E-0283/15-G-0284	New York State Electric and Gas Corporation	Depreciation
205.	2015	NY PSC	15-E-0285/15-G-0286	Rochester Gas and Electric Corporation	Depreciation
206.	2015	MO PSC	WR-2015-0301/SR-2015-0302	Missouri American Water Company	Depreciation
207.	2015	OK CC	PUD 201500208	Oklahoma, Public Service Company of	Depreciation
208.	2015	WV PSC	15-0676-W-42T	West Virginia American Water Company	Depreciation
209.	2015	PA PUC	2015-2469275	PPL Electric Utilities	Depreciation
210.	2015	IN URC	Cause No. 44688	Northern Indiana Public Service Company	Depreciation
211.	2015	OH PSC	14-1929-EL-RDR	First Energy-Ohio Edison/Cleveland Electric/ Toledo Edison	Depreciation
212.	2015	NM PRC	15-00127-UT	El Paso Electric	Depreciation
213.	2015	TX PUC	PUC-44941; SOAH 473-15-5257	El Paso Electric	Depreciation
214.	2015	WI PSC	3270-DU-104	Madison Gas and Electric Company	Depreciation
215.	2015	OK CC	PUD 201500273	Oklahoma Gas and Electric	Depreciation
216.	2015	KY PSC	Doc. No. 2015-00418	Kentucky American Water Company	Depreciation
217.	2015	NC UIC	Doc. No. G-5, Sub 565	Public Service Company of North Carolina	Depreciation
218.	2016	WA UTC	Docket UE-17	Puget Sound Energy	Depreciation
219.	2016	NY PSC	Case No. 16-W-0130	Suez Water New York, Inc.	Depreciation
220.	2016	MO PSC	ER-2016-0156	KCPL – Greater Missouri	Depreciation
221.	2016	WI PSC		Wisconsin Public Service Commission	Depreciation
222.	2016	KY PSC	Case No. 2016-00026	Kentucky Utilities Company	Depreciation
223.	2016	KY PSC	Case No. 2016-00027	Louisville Gas and Electric Company	Depreciation
224.	2016	OH PUC	Case No. 16-0907-WW-AIR	Aqua Ohio	Depreciation
225.	2016	MD PSC	Case 9417	Columbia Gas of Maryland	Depreciation
226.	2016	KY PSC	2016-00162	Columbia Gas of Kentucky	Depreciation
227.	2016	DE PSC	16-0649	Delmarva Power and Light Co. – Electric	Depreciation
228.	2016	DE PSC	16-0650	Delmarva Power and Light Co. – Gas	Depreciation
229.	2016	NY PSC	Case 16-G-0257	National Fuel Gas Distribution Corp – NY Div	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>	
230.	2016	PA PUC	R-2016-2537349	Metropolitan Edison Company	Depreciation
231.	2016	PA PUC	R-2016-2537352	Pennsylvania Electric Company	Depreciation
232.	2016	PA PUC	R-2016-2537355	Pennsylvania Power Company	Depreciation
233.	2016	PA PUC	R-2016-2537359	West Penn Power Company	Depreciation
234.	2016	PA PUC	R-2016-2529660	Columbia Gas of PA	Depreciation
235.	2016	KY PSC	Case No. 2016-00063	Kentucky Utilities / Louisville Gas & Electric Co	Depreciation
236.	2016	MO PSC	ER-2016-0285	KCP&L Missouri	Depreciation
237.	2016	AR PSC	16-052-J	Oklahoma Gas & Electric Co	Depreciation
238.	2016	PSCW	6680-DU-104	Wisconsin Power and Light	Depreciation
239.	2016	ID PUC	IPC-E-16-23	Idaho Power Company	Depreciation
240.	2016	OR PUC	UM1801	Idaho Power Company	Depreciation
241.	2016	ILL CC	16-	MidAmerican Energy Company	Depreciation
242.	2016	KY PSC	Case No. 2016-00370	Kentucky Utilities Company	Depreciation
243.	2016	KY PSC	Case No. 2016-00371	Louisville Gas and Electric Company	Depreciation
244.	2016	IN URC		Indianapolis Power & Light	Depreciation
245.	2016	AL RC	U-16-081	Chugach Electric Association	Depreciation
246.	2017	MA DPU	D.P.U. 17-05	NSTAR Electric Company and Western Massachusetts Electric Company	Depreciation
247.	2017	TX PUC	PUC-26831, SOAH 973-17-2686	El Paso Electric Company	Depreciation
248.	2017	WA UT&C	UE-17033 and UG-170034	Puget Sound Energy	Depreciation
249.	2017	OH PUC	Case No. 17-0032-EL-AIR	Duke Energy Ohio	Depreciation
250.	2017	VA SCC	Case No. PUE-2016-00413	Virginia Natural Gas, Inc.	Depreciation
251.	2017	OK CC	Case No. PUD201700151	Oklahoma, Public Service Company of	Depreciation
252.	2017	MD PSC	Case No. 9447	Columbia Gas of Maryland	Depreciation
253.	2017	NC UC	Docket No. E-2, Sub 1142	Duke Energy Progress	Depreciation
254.	2017	VA SCC	Case No. PUR-2017-00090	Dominion Virginia Electric and Power Company	Depreciation
255.	2017	FERC	ER17-1162	MidAmerican Energy Company	Depreciation
256.	2017	PA PUC	R-2017-2595853	Pennsylvania American Water Company	Depreciation
257.	2017	OR PUC	UM1809	Portland General Electric	Depreciation
258.	2017	FERC	ER17-217	Jersey Central Power & Light	Depreciation
259.	2017	FERC	ER17-211	Mid-Atlantic Interstate Transmission, LLC	Depreciation
260.	2017	MN PUC	Docket No. G007/D-17-442	Minnesota Energy Resources Corporation	Depreciation
261.	2017	IL CC	Docket No. 17-0124	Northern Illinois Gas Company	Depreciation
262.	2017	OR PUC	UM1808	Northwest Natural Gas Company	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client/Utility</u>	<u>Subject</u>	
263.	2017	NY PSC	Case No. 17-W-0528	SUEZ Water Owego-Nichols	Depreciation
264.	2017	MO PSC	GR-2017-0215	Laclede Gas Company	Depreciation
265.	2017	MO PSC	GR-2017-0216	Missouri Gas Energy	Depreciation
266.	2017	ILL CC	Docket No. 17-0337	Illinois-American Water Company	Depreciation
267.	2017	FERC	Docket No. ER17-____	PPL Electric Utilities Corporation	Depreciation
268.	2017	IN IURC	Cause No. 44988	Northern Indiana Public Service Company	Depreciation
269.	2017	NJ BPU	BPU Docket No. WRI17090985	New Jersey American Water Company, Inc.	Depreciation
270.	2017	RI PUC	Docket No. 4800	SUEZ Water Rhode Island	Depreciation
271.	2017	OK CC	Cause No. PUD 201700496	Oklahoma Gas and Electric Company	Depreciation
272.	2017	NJ BPU	ER18010029 & GR18010030	Public Service Electric and Gas Company	Depreciation
273.	2017	NC Util Com.	Docket No. E-7, SUB 1146	Duke Energy Carolinas, LLC	Depreciation
274.	2017	KY PSC	Case No. 2017-00321	Duke Energy Kentucky, Inc.	Depreciation
275.	2017	MA DPU	D.P.U. 18-40	Berkshire Gas Company	Depreciation
276.	2018	IN IURC	Cause No. 44992	Indiana-American Water Company, Inc.	Depreciation
277.	2018	IN IURC	Cause No. 45029	Indianapolis Power and Light	Depreciation
278.	2018	NC Util Com.	Docket No. W-218, Sub 497	Aqua North Carolina, Inc.	Depreciation
279.	2018	PA PUC	Docket No. R-2018-2647577	Columbia Gas of Pennsylvania, Inc.	Depreciation
280.	2018	OR PUC	Docket UM 1933	Avista Corporation	Depreciation
281.	2018	WA UTC	Docket No. UE-108167	Avista Corporation	Depreciation
282.	2018	ID PUC	AVU-E-18-03, AVU-G-18-02	Avista Corporation	Depreciation
283.	2018	IN IURC	Cause No. 45039	Citizens Energy Group	Depreciation
284.	2018	FERC	Docket No. ER18-	Duke Energy Progress	Depreciation
285.	2018	PA PUC	Docket No. R-2018-	Duquesne Light Company	Depreciation
286.	2018	MD PSC	Case No. 948	Columbia Gas of Maryland	Depreciation
287.	2018	MA DPU	D.P.U. 18-45	Columbia Gas of Massachusetts	Depreciation
288.	2018	OH PUC	Case No. 18-0299-GA-ALT	Vectren Energy Delivery of Ohio	Depreciation
289.	2018	PA PUC	Docket No. R-2018-3000834	SUEZ Water Pennsylvania Inc.	Depreciation
290.	2018	MD PSC	Case No.	Maryland-American Water Company	Depreciation
291.	2018	PA PUC	Docket No. R-2018-3000019	The York Water Company	Depreciation
292.	2018	FERC	Docket Nos. ER-18-____-000	Duke Energy Carolinas, LLC	Depreciation

**Heichelbech, Nicholas**

---

**From:** Rutter, Cheryl A. <crutter@GFNET.com>  
**Sent:** Thursday, September 27, 2018 2:34 PM  
**To:** Wiseman, Sara  
**Cc:** Whitaker, Sherrie  
**Subject:** Invoice for Services Provided by Gannett Fleming re LG&E/KU Contract No. 131093 - Depreciation Study - Steam Assets - ACTION REQUESTED  
**Attachments:** 063789 - No. 3778 - September 27, 2018.pdf  
**Importance:** High

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Good afternoon, Sara.....

Attached is our invoice related to consulting services for LG&E/KU re Contract No. 131093 - Depreciation Study - Steam Assets during the period August 4 thru August 31, 2018. Please note that the charges have been allocated to the two entities.

Would you please take the necessary action to have the invoice approved and sent to your Accounts Payable folks for processing of payment.

No paper copy will be sent.

If you have any questions related to the invoice, please contact either John Spanos at [jspanos@gfnet.com](mailto:jspanos@gfnet.com) or me at [crutter@gfnet.com](mailto:crutter@gfnet.com).

Thank you, and have a pleasant day.

Cheryl

Cheryl Ann Rutter, CPS | Administrator  
Gannett Fleming Valuation and Rate Consultants, LLC  
Mailing Address: P.O. Box 67100, Harrisburg, PA 17106-7100  
Physical Address: 207 Senate Avenue, Camp Hill, PA 17011  
t 717.763.7211 x2283 | f 717.763.4590 | [crutter@gfnet.com](mailto:crutter@gfnet.com)  
**Excellence Delivered As Promised**  
Gannett Fleming is ISO 9001:2008 Certified.  
[www.gannettfleming.com](http://www.gannettfleming.com) | Stay connected: [Twitter](#) | [Facebook](#) | [LinkedIn](#) | [YouTube](#)

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*Excellence Delivered for Customers*

## INVOICE

### Gannett Fleming Valuation and Rate Consultants, LLC

LG&E and KU Services Company  
Attn: Sara Wiseman  
P.O. Box 32010  
Louisville, KY 40232-7100

**ACH/EFT Payment Information:**  
ABA: 031312738  
Account No.: 5003165655  
Account Name: Gannett Fleming

**Check Payment Information:**  
Gannett Fleming Valuation and Rate Consultants, LLC  
PO Box 829180  
Philadelphia, PA 19182-9180

**Project:** 063789  
**Invoice No:** 063789\*3778  
**Invoice Date:** September 27, 2018

**Federal EIN:** 46-4413705  
**Send Remit Info:** AccountsReceivable@gfnet.com

**Invoice Period:** August 4, 2018 through August 31, 2018

**Project Manager:** John J. Spanos      [jspanos@gfnet.com](mailto:jspanos@gfnet.com)      717 763-7211

Contract No. 131093 - Depreciation Study - Steam Assets

#### Summary of Current Charges

Phase 100	- KU - DEPR-STEAM ASSETS	\$	1,990.00
Phase 200	- LG&E - DEPR-STEAM ASSETS		1,785.00
	Total Charges		\$ 3,775.00
	<b>Total Due This Invoice .....</b>		<b>\$3,775.00</b>



Excellence Delivered

Project: 063789  
 Invoice No: 063789\*3778  
 Invoice Date: September 27, 2018

**Gannett Fleming Valuation and Rate Consultants, LLC**

Phase 100 -- KU - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Analyst	0.50	\$ 170.00	\$ 85.00
John J. Spanos	5.00	260.00	1,300.00
Support Staff	5.50	110.00	605.00
<b>Total Labor Costs</b>			<b>\$ 1,990.00</b>
<b>Total Phase -- 100</b>			<b>\$ 1,990.00</b>

Phase 200 -- LG&E - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Analyst	0.50	170.00	85.00
John J. Spanos	4.00	260.00	1,040.00
Support Staff	6.00	110.00	660.00
<b>Total Labor Costs</b>			<b>\$ 1,785.00</b>
<b>Total Phase -- 200</b>			<b>\$ 1,785.00</b>



**Heichelbech, Nicholas**

---

**From:** Wiseman, Sara  
**Sent:** Monday, October 01, 2018 10:35 AM  
**To:** John Spanos (jspanos@gfnet.com)  
**Cc:** Riggs, Eric  
**Subject:** Rate case

John,

As an FYI:

Last Friday, LG&E and KU made electronic filings to the KPSC regarding our 2016 rate case. The links to the filing are:

- LG&E Gas and Electric - [http://psc.ky.gov/PSC\\_WebNet/ViewCaseFilings.aspx?Case=2018-00295](http://psc.ky.gov/PSC_WebNet/ViewCaseFilings.aspx?Case=2018-00295)
- KU Electric - [http://psc.ky.gov/PSC\\_WebNet/ViewCaseFilings.aspx?Case=2018-00294](http://psc.ky.gov/PSC_WebNet/ViewCaseFilings.aspx?Case=2018-00294)

The filings consisted of our:

- Application Cover Letters
- Petitions for Confidential Protection
- Statutory Notices
- Applications for the 2018 Rate Case
- Table of Contents and Verification Pages
- Filing Requirements (Tabs 1-68)
- Testimony and Exhibits for: Thompson, Blake, Bellar, Sinclair, Meiman, Arbough, McKenzie, Garrett, Spanos, Conroy, & Seelye

Sara Wiseman  
Manager | Property Accounting | LG&E and KU  
220 West Main Street, Louisville, KY 40202  
O: 502-627-3189 | M: 502-580-0795  
lge-ku.com

**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Tuesday, October 02, 2018 8:08 AM  
**To:** Wiseman, Sara  
**Cc:** Riggs, Eric  
**Subject:** RE: Rate case

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Thanks

**From:** Wiseman, Sara  
**Sent:** Monday, October 1, 2018 10:35 AM  
**To:** Spanos, John J.  
**Cc:** Riggs, Eric  
**Subject:** Rate case

John,

As an FYI:

Last Friday, LG&E and KU made electronic filings to the KPSC regarding our 2016 rate case. The links to the filing are:

- LG&E Gas and Electric - [http://psc.ky.gov/PSC\\_WebNet/ViewCaseFilings.aspx?Case=2018-00295](http://psc.ky.gov/PSC_WebNet/ViewCaseFilings.aspx?Case=2018-00295)
- KU Electric - [http://psc.ky.gov/PSC\\_WebNet/ViewCaseFilings.aspx?Case=2018-00294](http://psc.ky.gov/PSC_WebNet/ViewCaseFilings.aspx?Case=2018-00294)

The filings consisted of our:

- Application Cover Letters
- Petitions for Confidential Protection
- Statutory Notices
- Applications for the 2018 Rate Case
- Table of Contents and Verification Pages
- Filing Requirements (Tabs 1-68)
- Testimony and Exhibits for: Thompson, Blake, Bellar, Sinclair, Meiman, Arbough, McKenzie, Garrett, Spanos, Conroy, & Seelye

**Sara Wiseman**  
Manager | Property Accounting | LG&E and KU  
220 West Main Street, Louisville, KY 40202  
**O:** 502-627-3189 | **M:** 502-338-0886  
[lg-e-ku.com](mailto:lg-e-ku.com)

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**Heichelbech, Nicholas**

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**From:** Wiseman, Sara  
**Sent:** Wednesday, October 10, 2018 11:48 AM  
**To:** John Spanos (jspanos@gfnet.com)  
**Cc:** Riggs, Eric  
**Subject:** Urgent! KPSC Q 1-53 response  
**Attachments:** 2018 PSC DRI LGE Attach to Q 53 Depr Study.xlsx; 2018 PSC DRI KU Attach to Q53 Depr Study.xlsx

John,

We received the following question as part of the standard PSC round 1 data requests:

Q-53. Provide a copy of all exhibits and schedules that were prepared in the utility's rate application in Excel spreadsheet format with all formulas intact and unprotected and with all columns and row accessible.

A-53. Attached to this response is a listing of all Excel spreadsheets submitted in response to this question and the requested spreadsheets. The label by which each file is to be identified on the Commission website, under the "File Number" heading, is listed in the second column of the attached list. The third column of the attached list specifies the actual name of the spreadsheet being submitted. The fourth column identifies the specific exhibit or schedule being submitted.

---

We are planning to submit the attached schedules with you as the witness. Of course, there are many other witnesses and attachments on this question as it encompasses the whole filing. Unfortunately, Eric and I were not asked to do this until today and the filing must be made on Friday. Rates will be sending the affidavit for you to sign. I know you are out of the office. Allyson says it can be filed next week.

Sorry for the short notice. We do need to know ASAP if you are not comfortable with this.

Sara

LOUISVILLE GAS AND ELECTRIC COMPANY

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	CALCULATED ANNUAL ACCRUAL RATE (8)=(7)/(4)	COMPOSITE REMAINING LIFE (9)=(6)/(7)
<b>DEPRECIABLE PLANT</b>								
<b>STEAM PRODUCTION PLANT</b>								
311.00	STRUCTURES AND IMPROVEMENTS							
	RIVERPORT DISTRIBUTION CENTER	95-R2.5 *	5,310,284.64	406,568	6,231,288	141,508	2.66	44.0
	MILL CREEK UNIT 1	95-R2.5 *	21,232,083.22	18,030,468	5,324,834	373,169	1.76	14.3
	MILL CREEK UNIT 2	95-R2.5 *	14,161,012.84	10,257,954	5,319,160	327,519	2.31	16.2
	MILL CREEK UNIT 2 SCRUBBER	95-R2.5 *	4,970,628.17	908,754	4,558,937	278,626	5.61	16.4
	MILL CREEK UNIT 3	95-R2.5 *	29,123,290.17	21,313,461	10,722,158	532,654	1.83	20.1
	MILL CREEK UNIT 3 SCRUBBER	95-R2.5 *	5,494,516.28	173,524	5,870,444	288,893	5.26	20.3
	MILL CREEK UNIT 4	95-R2.5 *	73,280,911.39	41,957,732	38,651,271	1,620,533	2.21	23.9
	MILL CREEK UNIT 4 SCRUBBER	95-R2.5 *	5,792,375.79	2,461,633	3,909,980	162,299	2.80	24.1
	TRIMBLE COUNTY UNIT 1	95-R2.5 *	107,482,423.29	66,335,130	56,194,833	1,810,718	1.68	31.0
	TRIMBLE COUNTY UNIT 1 SCRUBBER	95-R2.5 *	889,015.22	6,671	1,006,806	31,696	3.57	31.8
	TRIMBLE COUNTY UNIT 2	95-R2.5 *	17,403,381.00	2,319,428	17,520,426	375,655	2.16	46.6
	TRIMBLE COUNTY UNIT 2 SCRUBBER	95-R2.5 *	64,599.93	7,610	68,534	1,903	2.25	46.7
	<b>TOTAL ACCOUNT 311 - STRUCTURES AND IMPROVEMENTS</b>		<b>285,224,521.94</b>	<b>164,178,923</b>	<b>155,398,971</b>	<b>5,945,173</b>	<b>2.08</b>	<b>26.1</b>
311.20	STRUCTURES AND IMPROVEMENTS - RETIRED PLANT							
	CANE RUN UNIT 1	95-R2.5 *	1,786,178.29	1,964,796	0	0	-	-
	CANE RUN UNIT 2	95-R2.5 *	1,228,338.33	1,351,172	0	0	-	-
	CANE RUN UNIT 3	95-R2.5 *	2,035,561.33	2,239,117	0	0	-	-
	CANE RUN UNIT 4	95-R2.5 *	3,131,855.49	3,445,041	0	0	-	-
	CANE RUN UNIT 4 SCRUBBER	95-R2.5 *	17,565.79	19,322	0	0	-	-
	CANE RUN UNIT 5	95-R2.5 *	3,145,664.22	3,460,231	0	0	-	-
	CANE RUN UNIT 5 SCRUBBER	95-R2.5 *	10,193.27	11,213	0	0	-	-
	CANE RUN UNIT 6	95-R2.5 *	13,104,413.12	14,414,854	0	0	-	-
	CANE RUN UNIT 6 SCRUBBER	95-R2.5 *	85,926.95	94,520	0	0	-	-
	<b>TOTAL ACCOUNT 311.2 - STRUCTURES AND IMPROVEMENTS - RETIRED PLANT</b>		<b>24,545,696.79</b>	<b>27,000,266</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>
312.00	BOILER PLANT EQUIPMENT							
	MILL CREEK UNIT 1	60-R1 *	182,136,143.11	44,904,210	155,445,547	11,206,606	6.15	13.9
	MILL CREEK UNIT 1 SCRUBBER	60-R1 *	16,929,429.83	10,096,169	8,526,204	621,587	3.67	13.7
	MILL CREEK UNIT 2	60-R1 *	198,502,284.71	23,329,610	195,022,903	12,436,596	6.27	15.7
	MILL CREEK UNIT 2 SCRUBBER	60-R1 *	114,821,991.46	3,293,371	123,010,820	7,785,517	6.78	15.8
	MILL CREEK UNIT 3	60-R1 *	277,512,948.88	68,045,505	237,218,739	12,394,515	4.47	19.1
	MILL CREEK UNIT 3 SCRUBBER	60-R1 *	150,336,700.73	3,777,361	161,593,010	8,327,797	5.54	19.4
	MILL CREEK UNIT 4	60-R1 *	471,456,638.57	135,726,909	382,875,393	17,032,057	3.61	22.5
	MILL CREEK UNIT 4 SCRUBBER	60-R1 *	206,349,248.58	17,667,770	209,316,403	9,217,917	4.47	22.7
	TRIMBLE COUNTY UNIT 1	60-R1 *	322,917,528.20	90,641,330	277,484,652	9,742,924	3.02	28.5
	TRIMBLE COUNTY UNIT 1 SCRUBBER	60-R1 *	66,837,564.03	33,565,110	42,629,713	1,543,467	2.31	27.6
	TRIMBLE COUNTY UNIT 2	60-R1 *	146,448,004.91	25,449,556	141,501,170	3,498,812	2.39	40.4
	TRIMBLE COUNTY UNIT 2 SCRUBBER	60-R1 *	15,152,263.48	3,036,129	14,237,451	352,682	2.33	40.4
	<b>TOTAL ACCOUNT 312 - BOILER PLANT EQUIPMENT</b>		<b>2,169,400,746.49</b>	<b>459,533,030</b>	<b>1,948,862,005</b>	<b>94,160,477</b>	<b>4.34</b>	<b>20.7</b>

LOUISVILLE GAS AND ELECTRIC COMPANY

**TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017**

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	CALCULATED ANNUAL ACCRUAL RATE (8)=(7)/(4)	COMPOSITE REMAINING LIFE (9)=(6)/(7)		
312.10	BOILER PLANT EQUIPMENT - ASH PONDS									
	MILL CREEK UNIT 1 ASH POND	100-S4	*	0	411,750.29	231,546	180,204	45,051	10.94	4.0
	MILL CREEK UNIT 3 ASH POND	100-S4	*	0	947,826.39	635,948	311,878	207,919	21.94	1.5
	TRIMBLE COUNTY UNIT 1 ASH POND	100-S4	*	0	4,867,827.96	1,858,074	3,009,754	501,626	10.30	6.0
	TRIMBLE COUNTY UNIT 2 ASH POND	100-S4	*	0	5,057,242.50	814,282	4,442,960	1,110,745	21.96	4.0
	<i>TOTAL ACCOUNT 312.1 - BOILER PLANT EQUIPMENT - ASH PONDS</i>				11,284,647.14	3,339,830	7,944,816	1,865,341	16.53	4.3
314.00	TURBOGENERATOR UNITS									
	MILL CREEK UNIT 1	60-R2.5	*	(10)	25,971,344.84	11,394,423	17,174,056	1,234,951	4.76	13.9
	MILL CREEK UNIT 2	60-R2.5	*	(10)	28,261,136.61	12,265,240	18,822,010	1,191,899	4.22	15.8
	MILL CREEK UNIT 3	60-R2.5	*	(10)	34,874,136.89	20,843,142	17,518,409	917,070	2.63	19.1
	MILL CREEK UNIT 4	60-R2.5	*	(10)	55,058,036.33	24,696,491	35,867,349	1,583,295	2.88	22.7
	TRIMBLE COUNTY UNIT 1	60-R2.5	*	(14)	59,537,576.82	30,778,475	37,094,363	1,294,397	2.17	28.7
	TRIMBLE COUNTY UNIT 2	60-R2.5	*	(14)	21,967,018.06	4,789,217	20,253,184	485,677	2.21	41.7
	<i>TOTAL ACCOUNT 314 - TURBOGENERATOR UNITS</i>				225,669,249.55	104,766,988	146,729,371	6,707,279	2.97	21.9
315.00	ACCESSORY ELECTRIC EQUIPMENT									
	MILL CREEK UNIT 1	65-R3	*	(10)	18,587,082.97	11,727,023	8,713,268	615,932	3.31	14.1
	MILL CREEK UNIT 1 SCRUBBER	65-R3	*	(10)	202,167.22	220,362	2,022	147	0.07	13.8
	MILL CREEK UNIT 2	65-R3	*	(10)	13,147,191.98	6,468,006	7,993,905	495,902	3.77	16.1
	MILL CREEK UNIT 2 SCRUBBER	65-R3	*	(10)	2,694,916.35	765,601	2,198,807	133,992	4.97	16.4
	MILL CREEK UNIT 3	65-R3	*	(10)	26,791,012.14	13,984,708	15,485,405	775,355	2.89	20.0
	MILL CREEK UNIT 3 SCRUBBER	65-R3	*	(10)	9,792,181.78	1,349,963	9,421,437	464,826	4.75	20.3
	MILL CREEK UNIT 4	65-R3	*	(10)	31,002,634.31	18,728,455	15,374,443	669,720	2.16	23.0
	MILL CREEK UNIT 4 SCRUBBER	65-R3	*	(10)	1,667,316.69	564,201	1,269,847	52,480	3.15	24.2
	TRIMBLE COUNTY UNIT 1	65-R3	*	(14)	65,098,801.60	30,167,182	44,045,452	1,473,149	2.26	29.9
	TRIMBLE COUNTY UNIT 1 SCRUBBER	65-R3	*	(14)	2,736,920.21	2,395,614	724,475	25,313	0.92	28.6
	TRIMBLE COUNTY UNIT 2	65-R3	*	(14)	10,679,138.16	1,552,448	10,621,770	235,871	2.21	45.0
	<i>TOTAL ACCOUNT 315 - ACCESSORY ELECTRIC EQUIPMENT</i>				182,394,363.41	87,923,563	115,850,831	4,942,687	2.71	23.4
316.00	MISCELLANEOUS PLANT EQUIPMENT									
	RIVERPORT DISTRIBUTION CENTER	45-R2.5	*	(2)	582,917.96	63,737	530,839	14,119	2.42	37.6
	MILL CREEK UNIT 1	45-R2.5	*	(10)	1,036,757.76	560,951	579,483	43,834	4.23	13.2
	MILL CREEK UNIT 2	45-R2.5	*	(10)	141,316.22	90,413	65,035	4,487	3.18	14.5
	MILL CREEK UNIT 3	45-R2.5	*	(10)	347,546.48	334,551	47,750	2,671	0.77	17.9
	MILL CREEK UNIT 4	45-R2.5	*	(10)	10,935,346.35	3,654,057	8,374,824	379,457	3.47	22.1
	MILL CREEK UNIT 4 SCRUBBER	45-R2.5	*	(10)	43,211.57	47,101	432	19	0.04	22.7
	TRIMBLE COUNTY UNIT 1	45-R2.5	*	(14)	3,093,853.20	1,635,209	1,891,784	80,052	2.59	23.6
	TRIMBLE COUNTY UNIT 2	45-R2.5	*	(14)	3,528,603.03	384,869	3,637,738	94,925	2.69	38.3
	<i>TOTAL ACCOUNT 316 - MISCELLANEOUS PLANT EQUIPMENT</i>				19,709,552.57	6,770,888	15,127,885	619,564	3.14	24.4
	<b>TOTAL STEAM PRODUCTION PLANT</b>				<b>2,918,228,777.89</b>	<b>853,513,488</b>	<b>2,389,913,879</b>	<b>114,240,521</b>		

\* LIFE SPAN PROCEDURE IS USED. CURVE SHOWN IS INTERIM SURVIVOR CURVE

KENTUCKY UTILITIES COMPANY

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	CALCULATED ANNUAL ACCRUAL RATE (8)=(7)/(4)	COMPOSITE REMAINING LIFE (9)=(6)/(7)		
<b>DEPRECIABLE PLANT</b>										
<b>STEAM PRODUCTION PLANT</b>										
311.00	STRUCTURES AND IMPROVEMENTS									
	TRIMBLE COUNTY UNIT 2	105-R2.5	*	(13)	96,307,298.18	27,875,957	80,951,256	1,740,732	1.81	48.5
	TRIMBLE COUNTY UNIT 2 SCRUBBER	105-R2.5	*	(13)	5,556,451.46	3,229,484	3,049,308	67,265	1.21	45.3
	SYSTEM LABORATORY	105-R2.5	*	0	1,117,119.13	736,160	380,959	17,187	1.54	22.2
	BROWN UNIT 1	105-R2.5	*	(8)	4,677,142.79	4,655,316	2,455	2,099	0.04	1.2
	BROWN UNIT 2	105-R2.5	*	(6)	2,309,727.39	2,431,335	16,370	14,510	0.03	1.2
	BROWN UNIT 3	105-R2.5	*	(6)	28,754,404.33	14,706,856	15,772,813	910,368	3.17	17.3
	BROWN UNIT 1, 2 AND 3 SCRUBBER	105-R2.5	*	(8)	45,362,543.88	12,264,813	35,840,084	2,062,175	4.54	17.4
	GHEHT UNIT 1 SCRUBBER	105-R2.5	*	(8)	9,397,192.12	7,509,513	1,559,454	95,610	1.14	16.3
	GHEHT UNIT 1	105-R2.5	*	(8)	21,345,248.67	17,200,351	5,552,518	358,281	1.68	16.3
	GHEHT UNIT 2	105-R2.5	*	(8)	16,853,040.60	14,451,749	3,533,545	218,195	1.31	16.2
	GHEHT UNIT 3	105-R2.5	*	(8)	51,457,956.74	34,353,891	21,219,730	1,106,327	2.15	19.2
	GHEHT UNIT 4	105-R2.5	*	(8)	43,271,100.71	16,600,841	30,072,013	1,486,395	3.44	20.2
	GHEHT UNIT 2 SCRUBBER	105-R2.5	*	(8)	15,816,339.70	14,084,948	2,996,009	183,959	1.16	16.3
	GHEHT UNIT 4 SCRUBBER	105-R2.5	*	(8)	39,801.04	0	39,803	1,956	5.31	20.4
	<b>TOTAL ACCOUNT 311 - STRUCTURES AND IMPROVEMENTS</b>				<b>341,081,605.72</b>	<b>170,461,214</b>	<b>201,288,261</b>	<b>8,265,002</b>	<b>2.42</b>	<b>24.4</b>
311.20	STRUCTURES AND IMPROVEMENTS - RETIRED PLANT									
	TYRONE UNIT 3	105-R2.5	*	(10)	1,821,179.50	2,003,297	0	0	-	-
	TYRONE UNITS 1 AND 2	105-R2.5	*	(10)	630,800.03	603,040	0	0	-	-
	GREEN RIVER UNIT 3	105-R2.5	*	(10)	2,756,302.50	3,031,933	0	0	-	-
	GREEN RIVER UNIT 4	105-R2.5	*	(10)	5,631,448.40	6,194,593	0	0	-	-
	GREEN RIVER UNITS 1 AND 2	105-R2.5	*	(10)	1,756,471.53	1,932,119	0	0	-	-
	PINEVILLE UNIT 3	105-R2.5	*	(10)	182,442.49	200,687	0	0	-	-
	<b>TOTAL ACCOUNT 311.2 - STRUCTURES AND IMPROVEMENTS - RETIRED PLANT</b>				<b>12,778,704.45</b>	<b>14,058,575</b>	<b>0</b>	<b>0</b>		
312.00	BOILER PLANT EQUIPMENT									
	TRIMBLE COUNTY UNIT 2	70-R1.5	*	(13)	554,266,452.52	110,556,318	515,764,775	12,038,282	2.17	42.8
	TRIMBLE COUNTY UNIT 2 SCRUBBER	70-R1.5	*	(13)	72,053,390.63	21,555,951	60,881,380	1,429,827	1.96	42.6
	BROWN UNIT 1	70-R1.5	*	(6)	38,556,575.43	39,433,716	1,436,254	1,238,148	3.21	1.2
	BROWN UNIT 2	70-R1.5	*	(6)	42,204,805.59	43,225,373	1,507,721	1,206,759	3.08	1.2
	BROWN UNIT 3	70-R1.5	*	(6)	442,651,264.76	80,166,568	386,043,755	22,988,128	5.19	16.0
	BROWN UNIT 1, 2 AND 3 SCRUBBER	70-R1.5	*	(6)	335,178,567.22	75,103,809	280,185,473	16,498,201	4.92	17.0
	GHEHT UNIT 1 SCRUBBER	70-R1.5	*	(8)	139,576,135.58	57,639,685	93,102,541	5,810,674	4.16	10.9
	GHEHT UNIT 1	70-R1.5	*	(8)	355,931,120.22	110,114,714	274,200,698	17,179,573	4.83	16.0
	GHEHT UNIT 2	70-R1.5	*	(8)	277,188,791.51	74,139,481	225,224,423	14,124,142	5.10	15.9
	GHEHT UNIT 3	70-R1.5	*	(8)	433,488,985.02	161,912,764	286,254,308	15,353,337	3.54	18.6
	GHEHT UNIT 4	70-R1.5	*	(8)	751,196,369.80	168,106,676	643,185,403	32,693,892	4.35	19.7
	GHEHT UNIT 2 SCRUBBER	70-R1.5	*	(8)	70,125,568.12	62,367,365	13,360,249	836,182	1.19	16.0
	GHEHT UNIT 3 SCRUBBER	70-R1.5	*	(8)	110,327,631.24	39,524,131	89,350,035	4,785,880	3.99	18.7
	GHEHT UNIT 4 SCRUBBER	70-R1.5	*	(8)	264,161,647.89	95,407,708	179,086,872	9,082,789	3.57	19.8
	<b>TOTAL ACCOUNT 312 - BOILER PLANT EQUIPMENT</b>				<b>3,886,606,695.50</b>	<b>1,159,258,254</b>	<b>3,052,682,145</b>	<b>155,318,414</b>	<b>4.00</b>	<b>10.7</b>
312.10	BOILER PLANT EQUIPMENT - ASH PONDS									
	TRIMBLE COUNTY UNIT 2 ASH POND	100-S4	*	0	9,104,644.87	5,018,153	4,085,692	650,982	7.48	6.0
	BROWN UNIT 1 ASH POND	100-S4	*	0	9,290,115.00	9,298,845	0	90	0.00	3.0
	BROWN UNIT 2 ASH POND	100-S4	*	0	3,909,961.67	2,691,413	917,649	305,883	7.82	3.0
	BROWN UNIT 3 ASH POND	100-S4	*	0	19,802,090.20	5,142,558	14,050,522	4,886,607	24.68	3.0
	GHEHT UNIT 1 SCRUBBER ASH POND	100-S4	*	0	39,489.56	30,209	272	0	0.3	3.0
	GHEHT UNIT 1 ASH POND	100-S4	*	0	2,100,620.94	2,073,761	26,800	5,372	0.28	5.0
	GHEHT UNIT 4 ASH POND	100-S4	*	0	32,692,963.87	14,310,027	18,382,637	4,565,659	14.06	4.0
	GHEHT UNIT 2 SCRUBBER ASH POND	100-S4	*	0	1,991,133.18	1,991,133	0	0	-	-
	TYRONE UNIT 3 - ASH POND	100-S4	*	0	575,455.72	575,450	0	0	-	-
	GREEN RIVER UNIT 3 - ASH POND	100-S4	*	0	1,831,840.06	1,831,841	0	0	-	-
	PINEVILLE UNIT 3 - ASH POND	100-S4	*	0	91,265.95	91,266	0	0	-	-
	<b>TOTAL ACCOUNT 312.1 - BOILER PLANT EQUIPMENT - ASH PONDS</b>				<b>81,346,762.93</b>	<b>43,273,662</b>	<b>38,073,102</b>	<b>10,474,584</b>	<b>12.88</b>	<b>3.6</b>

KENTUCKY UTILITIES COMPANY

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	CALCULATED ANNUAL ACCRUAL RATE (8)=(7)/(4)	COMPOSITE REMAINING LIFE (9)=(6)/(7)
314.00	TURBOGENERATOR UNITS							
	TRIMBLE COUNTY UNIT 2	60-R2 *	89,986,324.04	21,764,067	70,010,870	1,025,583	2.14	41.5
	BROWN UNIT 1	60-R2 *	11,380,919.20	11,727,960	335,814	287,021	2.52	1.2
	BROWN UNIT 2	60-R2 *	13,703,060.56	14,295,275	259,989	222,106	1.62	1.2
	BROWN UNIT 3	60-R2 *	46,707,249.49	8,377,637	40,167,447	2,422,680	5.29	16.8
	GHEHT UNIT 1	60-R2 *	40,327,741.42	22,368,069	21,165,802	1,346,312	3.34	15.7
	GHEHT UNIT 2	60-R2 *	33,056,975.75	22,423,578	13,277,056	868,909	2.62	15.3
	GHEHT UNIT 3	60-R2 *	43,850,372.17	30,697,120	16,671,002	931,474	2.12	17.9
	GHEHT UNIT 4	60-R2 *	59,231,538.72	34,540,570	20,420,490	1,561,503	2.64	18.8
	<b>TOTAL ACCOUNT 314 - TURBOGENERATOR UNITS</b>		<b>337,343,179.35</b>	<b>166,184,876</b>	<b>201,227,449</b>	<b>9,563,678</b>	<b>2.83</b>	<b>21.0</b>
315.00	ACCESSORY ELECTRIC EQUIPMENT							
	TRIMBLE COUNTY UNIT 2	70-R4 *	45,619,554.81	9,925,088	41,624,109	907,424	1.99	45.9
	TRIMBLE COUNTY UNIT 2 SCRUBBER	70-R4 *	1,418,469.10	793,078	805,502	20,198	1.42	39.0
	BROWN UNIT 1	70-R4 *	4,321,324.05	4,517,823	62,780	53,859	1.24	1.2
	BROWN UNIT 2	70-R4 *	2,416,429.81	2,504,751	50,085	48,431	1.2	1.2
	BROWN UNIT 3	70-R4 *	15,435,528.73	6,347,309	10,014,291	577,283	3.74	17.3
	BROWN UNIT 1, 2 AND 3 SCRUBBER	70-R4 *	26,324,457.10	6,730,824	24,347,101	1,392,854	4.75	17.5
	GHEHT UNIT 1 SCRUBBER	70-R4 *	12,223,370.51	5,706,062	7,434,568	451,449	3.69	16.5
	GHEHT UNIT 1	70-R4 *	12,336,891.42	8,571,504	4,752,328	292,365	2.37	16.3
	GHEHT UNIT 2	70-R4 *	14,213,740.74	11,578,703	3,772,077	230,021	1.60	16.0
	GHEHT UNIT 3	70-R4 *	33,564,209.82	25,203,521	10,955,826	562,236	1.73	18.8
	GHEHT UNIT 4	70-R4 *	52,164,707.21	18,810,313	37,543,268	1,855,228	3.56	20.2
	GHEHT UNIT 2 SCRUBBER	70-R4 *	951,108.87	266,700	760,686	40,150	4.85	16.5
	GHEHT UNIT 3 SCRUBBER	70-R4 *	12,041,098.28	4,433,095	8,572,263	440,911	3.66	19.4
	GHEHT UNIT 4 SCRUBBER	70-R4 *	15,148,041.55	3,480,348	12,679,637	659,191	4.15	20.5
	<b>TOTAL ACCOUNT 315 - ACCESSORY ELECTRIC EQUIPMENT</b>		<b>251,197,011.00</b>	<b>109,033,668</b>	<b>163,580,601</b>	<b>7,533,370</b>	<b>3.00</b>	<b>21.7</b>
316.00	MISCELLANEOUS PLANT EQUIPMENT							
	TRIMBLE COUNTY UNIT 2	75-R1.5 *	7,002,702.79	1,014,150	6,898,904	158,008	2.20	43.7
	SYSTEM LABORATORY	75-R1.5 *	3,889,912.98	333,650	2,795,263	127,717	3.40	21.6
	BROWN UNIT 1	75-R1.5 *	389,684.21	406,185	6,880	5,931	1.52	1.2
	BROWN UNIT 2	75-R1.5 *	123,107.10	130,414	80	99	0.68	1.2
	BROWN UNIT 3	75-R1.5 *	6,483,665.33	3,197,454	3,675,433	217,739	3.38	16.8
	GHEHT UNIT 1 SCRUBBER	75-R1.5 *	962,012.25	900,830	138,143	8,884	0.90	15.0
	GHEHT UNIT 1	75-R1.5 *	1,845,970.85	1,884,463	309,186	19,534	1.06	15.0
	GHEHT UNIT 2	75-R1.5 *	1,553,509.99	1,460,824	216,967	13,868	0.89	15.0
	GHEHT UNIT 3	75-R1.5 *	4,027,500.01	2,720,825	1,619,875	67,951	2.17	18.5
	GHEHT UNIT 4	75-R1.5 *	9,999,080.73	3,857,934	6,041,052	353,380	3.53	10.6
	<b>TOTAL ACCOUNT 316 - MISCELLANEOUS PLANT EQUIPMENT</b>		<b>36,076,316.24</b>	<b>16,315,729</b>	<b>22,561,783</b>	<b>992,281</b>	<b>2.75</b>	<b>22.7</b>
	<b>TOTAL STEAM PRODUCTION PLANT</b>		<b>4,946,630,275.19</b>	<b>1,678,583,978</b>	<b>3,679,413,641</b>	<b>192,147,389</b>		

\* LIFE SPAN PROCEDURE IS USED, CURVE SHOWN IS INTERIM SURVIVOR CURVE

**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Wednesday, October 10, 2018 5:56 PM  
**To:** Wiseman, Sara  
**Cc:** Riggs, Eric  
**Subject:** RE: Urgent! KPSC Q 1-53 response

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Sara:

I am fine with you submitting these spreadsheets. There was a spreadsheet in the net salvage section if you think that should be submitted as well.

I will get the verification page signed and returned when I return

John

-----Original Message-----

**From:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>  
**Sent:** Wednesday, October 10, 2018 11:48 AM  
**To:** Spanos, John J. <jspanos@GFNET.com>  
**Cc:** Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** Urgent! KPSC Q 1-53 response

John,

We received the following question as part of the standard PSC round 1 data requests:

Q-53. Provide a copy of all exhibits and schedules that were prepared in the utility's rate application in Excel spreadsheet format with all formulas intact and unprotected and with all columns and row accessible.

A-53. Attached to this response is a listing of all Excel spreadsheets submitted in response to this question and the requested spreadsheets. The label by which each file is to be identified on the Commission website, under the "File Number" heading, is listed in the second column of the attached list. The third column of the attached list specifies the actual name of the spreadsheet being submitted. The fourth column identifies the specific exhibit or schedule being submitted.

---

We are planning to submit the attached schedules with you as the witness. Of course, there are many other witnesses and attachments on this question as it encompasses the whole filing. Unfortunately, Eric and I were not asked to do this until today and the filing must be made on Friday. Rates will be sending the affidavit for you to sign. I know you are out of the office. Allyson says it can be filed next week.

Sorry for the short notice. We do need to know ASAP if you are not comfortable with this.



Sara

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**Heichelbech, Nicholas**

---

**From:** Rutter, Cheryl A. <crutter@GFNET.com>  
**Sent:** Tuesday, October 16, 2018 10:45 AM  
**To:** Wiseman, Sara  
**Cc:** Whitaker, Sherrie  
**Subject:** Invoice for Services Provided by Gannett Fleming re LG&E/KU Contract No. 131093 - Depreciation Study - Steam Assets - ACTION REQUESTED  
**Attachments:** 063789 - No. 3846 - October 16, 2018.pdf  
**Importance:** High

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Good morning, Sara.....

Attached is our invoice related to consulting services for LG&E/KU re Contract No. 131093 - Depreciation Study - Steam Assets during the period September 1 thru September 28, 2018. Please note that the charges have been allocated to the two entities.

Would you please take the necessary action to have the invoice approved and sent to your Accounts Payable folks for processing of payment.

No paper copy will be sent.

If you have any questions related to the invoice, please contact either John Spanos at [jspanos@gfnet.com](mailto:jspanos@gfnet.com) or me at [crutter@gfnet.com](mailto:crutter@gfnet.com).

Thank you, and have a pleasant day.

Cheryl

**Cheryl Ann Rutter, CPS** | Administrator  
**Gannett Fleming Valuation and Rate Consultants, LLC**  
**Mailing Address:** P.O. Box 67100, Harrisburg, PA 17106-7100  
**Physical Address:** 207 Senate Avenue, Camp Hill, PA 17011  
t 717.763.7211 x2283 | f 717.763.4590 | [crutter@gfnet.com](mailto:crutter@gfnet.com)  
**Excellence Delivered As Promised**  
**Gannett Fleming is ISO 9001:2008 Certified.**  
[www.gannettfleming.com](http://www.gannettfleming.com) | Stay connected: [Twitter](#) | [Facebook](#) | [LinkedIn](#) | [YouTube](#)

PRINTING SUSTAINABILITY STATEMENT: Gannett Fleming is committed to conserving natural resources and minimizing adverse environmental impacts in projects. Accordingly, project documentation will be provided in electronic format only unless clients specifically request hard copies. Visit our [website](#) to read more about our sustainability commitment.

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## INVOICE

### Gannett Fleming Valuation and Rate Consultants, LLC

LG&E and KU Services Company  
Attn: Sara Wiseman  
P.O. Box 32010  
Louisville, KY 40232-7100

**ACH/EFT Payment Information:**  
ABA: 031312738  
Account No.: 5003165655  
Account Name: Gannett Fleming

**Check Payment Information:**  
Gannett Fleming Valuation and Rate Consultants, LLC  
PO Box 829160  
Philadelphia, PA 19162-9160

**Project:** 063789  
**Invoice No:** 063789\*3846  
**Invoice Date:** October 16, 2018

**Federal EIN:** 46-4413705  
**Send Remit Info:** AccountsReceivable@gfnet.com

**Invoice Period:** September 1, 2018 through September 28, 2018

**Project Manager:** John J. Spanos      jspanos@gfnet.com      717 763-7211

Contract No. 131093 - Depreciation Study - Steam Assets

#### Summary of Current Charges

Phase 100	- KU - DEPR-STEAM ASSETS	\$	384.50
Phase 200	- LG&E - DEPR-STEAM ASSETS		110.00
	Total Charges		\$ 494.50
	<b>Total Due This Invoice .....</b>		<b>\$494.50</b>



Excellence Delivered

Project: 063789  
 Invoice No: 063789\*3848  
 Invoice Date: October 16, 2018

**Gannett Fleming Valuation and Rate Consultants, LLC**

Phase 100 -- KU - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
John J. Spanos	1.00	\$ 260.00	\$ 260.00
Support Staff	1.00	110.00	110.00
<b>Total Labor Costs</b>			<b>\$ 370.00</b>
<b>Expenses</b>			
Postage, Freight & Courier Service			14.50
<b>Total Expenses</b>			<b>\$ 14.50</b>
<b>Total Phase -- 100</b>			<b>\$ 384.50</b>

Phase 200 -- LG&E - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Support Staff	1.00	110.00	110.00
<b>Total Labor Costs</b>			<b>\$ 110.00</b>
<b>Total Phase -- 200</b>			<b>\$ 110.00</b>

Invoice Number	Invoice Date	Account Number
6-301-00943	Sep 10, 2018	

**FedEx Express Shipment Detail By Reference (Original)**

Ship Date: Sep 04, 2018	Cust. Ref: 003-331050-063789	Ref.#:
Payor: Shipper	Ref.#:	
* Fuel Surcharge - FedEx has applied a fuel surcharge of 7.25% to this shipment.		
* Distance Based Pricing, Zone 4		
Automation	INET	Sender
Tracking ID	773129472408	Megan Eckrich
Service Type	FedEx Standard Overnight	207 Senate Avenue
Package Type	FedEx Envelope	CAMP HILL PA 17011 US
Zone	04	Recipient
Packages	1	Derek A. Rahn
Rated Weight	N/A	LG&E and KU
Delivered	Sep 05, 2018 14:43	220 West Main Street
Svc Area	A1	LOUISVILLE KY 40202 US
Signed By	S.SALLEE	
FedEx Use	00000000222/	
	Transportation Charge	33.89
	Discount	-20.28
	Fuel Surcharge	0.98
	Total Charge	\$14.50
	003-331050-063789 Reference Subtotal	USD \$14.50



*Excellence Delivered* Since 1931

## INVOICE

### Gannett Fleming Valuation and Rate Consultants, LLC

LG&E and KU Services Company  
Attn: Sara Wiseman  
P.O. Box 32010  
Louisville, KY 40232-7100

**ACH/EFT Payment Information:**  
ABA: 031312738  
Account No.: 5003165655  
Account Name: Gannett Fleming

**Check Payment Information:**  
Gannett Fleming Valuation and Rate Consultants, LLC  
PO Box 829180  
Philadelphia, PA 19182-9180

**Project:** 063789  
**Invoice No:** 063789\*3846  
**Invoice Date:** October 16, 2018

**Federal EIN:** 46-4413705  
**Send Remit Info:** AccountsReceivable@gfnet.com

**Invoice Period:** September 1, 2018 through September 28, 2018

**Project Manager :** John J. Spanos      [jspanos@gfnet.com](mailto:jspanos@gfnet.com)      717 763-7211

Contract No. 131093 - Depreciation Study - Steam Assets

#### Summary of Current Charges

Phase 100	- KU - DEPR-STEAM ASSETS	\$	384.50
Phase 200	- LG&E - DEPR-STEAM ASSETS		110.00
	Total Charges		\$ 494.50
	<b>Total Due This Invoice .....</b>		<b>\$494.50</b>



*Excellence Delivered*

Project: 063789  
 Invoice No: 063789\*3846  
 Invoice Date: October 16, 2018

**Gannett Fleming Valuation and Rate Consultants, LLC**

Phase 100 -- KU - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
John J. Spanos	1.00	\$ 260.00	\$ 260.00
Support Staff	1.00	110.00	110.00
<b>Total Labor Costs</b>			<b>\$ 370.00</b>
<b>Expenses</b>			
Postage, Freight & Courier Service			14.50
<b>Total Expenses</b>			<b>\$ 14.50</b>
<b>Total Phase -- 100</b>			<b>\$ 384.50</b>

Phase 200 -- LG&E - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Support Staff	1.00	110.00	110.00
<b>Total Labor Costs</b>			<b>\$ 110.00</b>
<b>Total Phase -- 200</b>			<b>\$ 110.00</b>



Invoice Number	Invoice Date	Account Number
6-301-00943	Sep 10, 2018	

**FedEx Express Shipment Detail By Reference (Original)**

Ship Date: Sep 04, 2018      Cust. Ref.: 003-331050-063789      Ref.#:  
 Payer: Shipper      Ref.#:  
 \* Fuel Surcharge - FedEx has applied a fuel surcharge of 7.25% to this shipment.  
 \* Distance Based Pricing, Zone 4

<b>Automation</b>	INET	<b>Sender</b>	<b>Recipient</b>
<b>Tracking ID</b>	773129472408	Megan Eckrich	Derek A. Rahn
<b>Service Type</b>	FedEx Standard Overnight	207 Senate Avenue	LG&E and KU
<b>Package Type</b>	FedEx Envelope	CAMP HILL PA 17011 US	220 West Main Street
<b>Zone</b>	04		LOUISVILLE KY 40202 US
<b>Packages</b>	1		
<b>Rated Weight</b>	N/A		
<b>Delivered</b>	Sep 05, 2018 14:43	<b>Transportation Charge</b>	33.89
<b>Svc Area</b>	A1	<b>Discount</b>	-20.28
<b>Signed by</b>	S.SALLEE	<b>Fuel Surcharge</b>	0.93
<b>FedEx Use</b>	0000000002227	<b>Total Charge</b>	<b>USD \$14.50</b>

**003-331050-063789 Reference Subtotal      USD      \$14.50**

**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Thursday, October 18, 2018 7:18 AM  
**To:** Wiseman, Sara  
**Cc:** Riggs, Eric  
**Subject:** RE: Data Request schedule for LGE and KU

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Thanks for the heads up. Pretty tight schedule especially around the holiday.

**From:** Wiseman, Sara  
**Sent:** Wednesday, October 17, 2018 4:24 PM  
**To:** Spanos, John J.  
**Cc:** Riggs, Eric  
**Subject:** Data Request schedule for LGE and KU

John,

Attached is a detailed schedule of deadlines for our upcoming data requests.

I will, of course, be your main contact and will provide data requests, etc as they become available.

Sara

----- The information contained in this transmission is intended only for the person or entity to which it is directly addressed or copied. It may contain material of confidential and/or private nature. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is not allowed. If you received this message and the information contained therein by error, please contact the sender and delete the material from your/any storage medium.

**2018 Generation Services Engineering Depreciation Study  
(Steam Units Only)**

Station	Unit	2018 Retirement Dates
MC	1	2032
MC	2	2034
MC	3	2038
MC	2	2042
TC	1	2050
TC	2	2066
BR	1	2019
BR	2	2019
BR	3	2035
GH	1	2034
GH	2	2034
GH	3	2037
GH	4	2038

Louisville Gas & Electric Company / Kentucky Utilities Company  
Ash Pond Listing  
as of April 2018

<u>GF -</u>		<u>LG&amp;E</u>		<u>Retirement</u>	<u>Year</u>						
<u>Account</u>	<u>Gannet Fleming - Name</u>	<u>Date</u>	<u>Added</u>	<u>Qty</u>	<u>Cost</u>	<u>Co.</u>	<u>Plt Acct</u>	<u>Asset id</u>	<u>Depr_group</u>		
312.10	MILL CREEK UNIT 1 ASH POND	31-Dec-21	30-Jun-65	1	411,750.29	100	131200	257503852	LGE-131200-MC UNIT 1 BOIL-ASH POND		
312.10	MILL CREEK UNIT 3 ASH POND	2018-2019	30-Jun-82	1	947,826.39	100	131200	257503778	LGE-131200-MC UNIT 3 BOIL-ASH POND		
312.10	TRIMBLE COUNTY UNIT 1 ASH POND	31-Dec-23	30-Jun-90	1	4,867,827.96	100	131200	257503815	LGE-131200-TC UNIT 1 BOIL-ASH POND		
312.10	TRIMBLE COUNTY UNIT 2 ASH POND	12/31/2021	31-Dec-11	1	5,057,242.50	100	131200	257503889	LGE-131200-TC2 BOIL ECR 2009-ASH PO		
<u>KU</u>											
312.10	BROWN UNIT 1 ASH POND (See note)	31-Dec-20	30-Nov-95	1	13,208,176.67	110	131200	257354975	KU-131200-EWB 1 BOIL - ASH POND		
312.10	BROWN UNIT 3 ASH POND	31-Dec-20	1-Jul-08	1	19,802,080.26	110	131200	257355016	KU-131200-EWB 3 BOIL ASH POND		
312.10	GHENT UNIT 1 ASH POND	31-Dec-22	31-Aug-75	1	1,777,792.39	110	131200	258526973	KU-131200-GH 1 BOIL - ASH POND		
312.10	GHENT UNIT 1 ASH POND	31-Dec-22	31-Dec-87	1	322,828.55	110	131200	258527014	KU-131200-GH 1 BOIL - ASH POND		
312.10	GHENT UNIT 1 SCRUBBER ASH POND	31-Dec-20	31-Oct-94	1	39,480.55	110	131200	257355099	KU-131200-GH 1 SC BOIL - ASH POND		
312.10	GHENT UNIT 2 SCRUBBER ASH POND	31-Dec-20	31-Dec-94	1	1,901,133.18	110	131200	257355140	KU-131200-GH 2 SC BOIL - ASH POND		
312.10	GHENT UNIT 4 ASH POND	31-Dec-21	31-Oct-94	1	16,544,368.66	110	131200	257355181	KU-131200-GH 4 BOIL - ASH POND		
312.10	GHENT UNIT 4 ASH POND	31-Dec-21	31-Dec-03	1	16,148,295.19	110	131200	257355222	KU-131200-GH 4 BOIL - ASH POND		
312.10	GREEN RIVER UNIT 3 - ASH POND	31-Dec-19	31-Dec-78	1	1,831,840.98	110	131200	257354790	KU-131200-GR3 BOIL - ASH POND		
312.10	PINEVILLE UNIT 3 - ASH POND	31-Dec-19	30-Nov-77	1	91,265.89	110	131200	257354831	KU-131200-PI 3 BOIL - ASH POND		
312.10	TRIMBLE COUNTY UNIT 2 ASH POND	31-Dec-23	30-Jun-90	1	4,493,379.64	110	131200	257354872	KU-131200-TC 2 BOIL - ASH POND		
312.10	TRIMBLE COUNTY UNIT 2 ASH POND	31-Dec-21	31-Dec-11	1	4,610,665.23	110	131200	258527055	KU-131200-TC2 Boil ECR 2009-ASH PO		
312.10	TYRONE UNIT 3 - ASH POND	31-Dec-19	30-Nov-77	1	575,455.72	110	131200	257354934	KU-131200-TY 3 BOIL - ASH POND		

Note  
Shown as two lines on Gannet Fleming Report - Brown 1 and Brown 2 ash ponds  
Highlighted names are shown as one line on Gannet Fleming report  
(Figures differ from Decemehr 2015 report as a result of partial retirments.)

**Louisville Gas & Electric Company  
 Retired Plant Transfers - May 2018  
 figures as of April 30, 2018**

*Reflects A  
 Adjustment of  
 (\$5,079.68)*

*Reflects Decrease  
 To Reserve of  
 636,999.68  
 Net of (\$5,079.68)  
 COE of (\$8,699.96)*

GF Acct	GF Name	Depreciation Group Account	Original Cost	Reserve	Transferred to GF account:	GF Name
312.20	CANE RUN UNIT 1	LGE-131200-Cane Run Unit 1 Boiler P	124.53	87,688.84	311.20	CANE RUN UNIT 1
312.20	CANE RUN UNIT 2	LGE-131200-Cane Run Unit 2 Boiler P	124.53	15,455.42	311.20	CANE RUN UNIT 2
312.20	CANE RUN UNIT 3	LGE-131200-Cane Run Unit 3 Boiler P	124.53	72,310.98	311.20	CANE RUN UNIT 3
312.20	CANE RUN UNIT 4	LGE-131200-CR Unit 4 Boil	119,351.75	2,140,821.74	311.20	CANE RUN UNIT 4
312.20	CANE RUN UNIT 4 SCRUBBER	LGE-131200-Cane Run Unit 4 SO2 Boil	124.53	1,281,485.51	311.20	CANE RUN UNIT 4 SCRUBBER
312.20	CANE RUN UNIT 5	LGE-131200-CR Unit 5 Boil	155,851.67	1,925,863.07	311.20	CANE RUN UNIT 5
312.20	CANE RUN UNIT 5 SCRUBBER	LGE-131200-Cane Run Unit 5 SO2 Boil	9,932.90	2,247,689.36	311.20	CANE RUN UNIT 5 SCRUBBER
312.20	CANE RUN UNIT 6	LGE-131200-CR Unit 6 Boil	5,518,707.09	(21,311,651.40)	311.20	CANE RUN UNIT 6
312.20	CANE RUN UNIT 6 SCRUBBER	LGE-131200-CR6 SO2 Boil	85,553.36	1,933,912.42	311.20	CANE RUN UNIT 6 SCRUBBER
			5,889,894.89	(11,606,424.06)		
314.10	CANE RUN UNIT 1	LGE-131400-Cane Run Unit 1 Turbogén	124.53	7,068.32	311.20	CANE RUN UNIT 1
314.10	CANE RUN UNIT 2	LGE-131400-Cane Run Unit 2 Turbogén	124.53	547.34	311.20	CANE RUN UNIT 2
314.10	CANE RUN UNIT 3	LGE-131400-Cane Run Unit 3 Turbogén	124.53	32,811.97	311.20	CANE RUN UNIT 3
314.10	CANE RUN UNIT 4	LGE-131400-Cane Run Unit 4 Turbogén	1,099,327.60	361,959.04	311.20	CANE RUN UNIT 4
314.10	CANE RUN UNIT 5	LGE-131400-Cane Run Unit 5 Turbogén	80,617.90	625,491.77	311.20	CANE RUN UNIT 5
314.10	CANE RUN UNIT 6	LGE-131400-Cane Run Unit 6 Turbogén	124.53	(950,801.37)	311.20	CANE RUN UNIT 6
			1,180,443.62	77,077.07		
315.10	CANE RUN UNIT 1	LGE-131500-Cane Run Unit 1 Accessor	124.53	452,526.56	311.20	CANE RUN UNIT 1
315.10	CANE RUN UNIT 2	LGE-131500-Cane Run Unit 2 Accessor	124.53	13,527.17	311.20	CANE RUN UNIT 2
315.10	CANE RUN UNIT 3	LGE-131500-Cane Run Unit 3 Accessory	124.62	56,033.13	311.20	CANE RUN UNIT 3
315.10	CANE RUN UNIT 4	LGE-131500-Cane Run Unit 4 Accessor	124.53	618,589.01	311.20	CANE RUN UNIT 4
315.10	CANE RUN UNIT 4 SCRUBBER	LGE-131500-Cane Run Unit 4 SO2 Acce	124.53	112,734.56	311.20	CANE RUN UNIT 4 SCRUBBER
315.10	CANE RUN UNIT 5	LGE-131500-Cane Run Unit 5 Accessor	124.53	(1,576,281.36)	311.20	CANE RUN UNIT 5
315.10	CANE RUN UNIT 5 SCRUBBER	LGE-131500-Cane Run Unit 5 SO2 Acce	124.53	188,196.75	311.20	CANE RUN UNIT 5 SCRUBBER
315.10	CANE RUN UNIT 6	LGE-131500-Cane Run Unit 6 Accessor	124.53	(1,203,143.51)	311.20	CANE RUN UNIT 6
315.10	CANE RUN UNIT 6 SCRUBBER	LGE-131500-Cane Run Unit 6 SO2 Acce	124.53	163,224.86	311.20	CANE RUN UNIT 6 SCRUBBER
			1,120.86	(1,174,592.83)		
316.10	CANE RUN UNIT 1	LGE-131600-Cane Run Unit 1 Misc. Po	10.83	496.26	311.20	CANE RUN UNIT 1
316.10	CANE RUN UNIT 3	LGE-131600-Cane Run Unit 3 Misc. Po	44.28	747.66	311.20	CANE RUN UNIT 3
316.10	CANE RUN UNIT 4	LGE-131600-Cane Run Unit 4 Misc. Po	249.08	(25,230.06)	311.20	CANE RUN UNIT 4
316.10	CANE RUN UNIT 4 SCRUBBER	LGE-131600-Cane Run Unit 4 SO2 Misc	124.53	595.93	311.20	CANE RUN UNIT 4 SCRUBBER
316.10	CANE RUN UNIT 5	LGE-131600-Cane Run Unit 5 Misc. Po	133,003.43	89,016.41	311.20	CANE RUN UNIT 5
316.10	CANE RUN UNIT 5 SCRUBBER	LGE-131600-Cane Run Unit 5 SO2 Misc	11.31	4,325.07	311.20	CANE RUN UNIT 5 SCRUBBER
316.10	CANE RUN UNIT 6	LGE-131600-Cane Run Unit 6 Misc. Po	474,554.25	59,784.06	311.20	CANE RUN UNIT 6
316.10	CANE RUN UNIT 6 SCRUBBER	LGE-131600-Cane Run Unit 6 SO2 Misc	124.53	2,445.01	311.20	CANE RUN UNIT 6 SCRUBBER
			608,122.24	132,180.34		

**Kentucky Utilities Company**  
**Retire Plant Transfers - May 2018**  
 figures as of April 30, 2018

GF Acct	GF Name	Depreciation Group Account	Original Cost	Reserve	Transferred to GF account:	GF Name
312.20	TYRONE UNIT 3	KU-131200-TY 3 Boil	91,162.48	131,120.12	311.20	TYRONE UNIT 3
312.20	TYRONE UNITS 1 AND 2	KU-131200-TY 1&2 Boiler Plant Equi	35,937.44	98,209.89	311.20	TYRONE UNITS 1 AND 2
312.20	GREEN RIVER UNIT 3	KU-131200-GR 3 Boil	41,300.90	9,046.04	311.20	GREEN RIVER UNIT 3
312.20	GREEN RIVER UNIT 4	KU-131200-GR 4 Boil	277,179.53	1,064,834.61	311.20	GREEN RIVER UNIT 4
312.20	GREEN RIVER UNITS 1 AND 2	KU-131200-GR 1-2 Boiler Plant Equi	152,243.76	448,119.95	311.20	GREEN RIVER UNITS 1 AND 2
312.20	PINEVILLE UNIT 3	KU-131200-PI 3 Boiler Plant Equipm	145,202.53	144,966.10	311.20	PINEVILLE UNIT 3
			<u>743,026.64</u>	<u>1,896,296.71</u>		
314.10	GREEN RIVER UNIT 3	KU-131400-GR 3 Turbogenerator Unit	107,003.10	469,905.61	311.20	GREEN RIVER UNIT 3
314.10	GREEN RIVER UNIT 4	KU-131400-GR 4 Turbogenerator Unit	57,483.16	86,213.03	311.20	GREEN RIVER UNIT 4
314.10	TYRONE UNIT 3	KU-131400-TY 3 Turbogenerator Unit	-	416,110.02	311.20	TYRONE UNIT 3
314.10	TYRONE UNITS 1 AND 2	KU-131400-TY 1&2 Turbogenerator Un	-	332,381.19	311.20	TYRONE UNITS 1 AND 2
			<u>164,486.26</u>	<u>1,304,609.85</u>		
315.10	TYRONE UNIT 3	KU-131500-TY 3 Accessory Electric	24,267.36	113,157.60	311.20	TYRONE UNIT 3
315.10	GREEN RIVER UNIT 3	KU-131500-GR 3 Accessory Electric	165,716.59	262,824.28	311.20	GREEN RIVER UNIT 3
315.10	GREEN RIVER UNIT 4	KU-131500-GR 4 Accessory Electric	480,433.11	448,719.49	311.20	GREEN RIVER UNIT 4
315.10	TYRONE UNITS 1 AND 2	KU-131500-TY 1&2 Accessory Electri	-	16,664.67	311.20	TYRONE UNITS 1 AND 2
			<u>670,417.06</u>	<u>841,366.04</u>		
316.10	TYRONE UNIT 3	KU-131600-TY 3 Misc Power Plant Eq	74,491.69	48,230.42	311.20	TYRONE UNIT 3
316.10	TYRONE UNITS 1 AND 2	KU-131600-TY 1&2 Misc Power Plant	11,541.15	7,239.71	311.20	TYRONE UNITS 1 AND 2
316.10	GREEN RIVER UNIT 3	KU-131600-GR 3 Misc Power Plant Eq	22,250.26	10,687.66	311.20	GREEN RIVER UNIT 3
316.10	GREEN RIVER UNIT 4	KU-131600-GR 4 Misc Power Plant Eq	371,296.87	161,263.91	311.20	GREEN RIVER UNIT 4
316.10	GREEN RIVER UNITS 1 AND 2	KU-131600-GR 1&2 Misc Power Plant	45,689.51	57,147.33	311.20	GREEN RIVER UNITS 1 AND 2
			<u>525,269.48</u>	<u>284,569.03</u>		

page 3

May 22 2018 09:54AM Hyatt 6192240348

May 18, 2018

John,

The final Paddys Run demolition costs in Removal Work In Progress (RWIP) is \$13,165,522.79. These charges will be credited from RWIP and debited to Mill Creek Steam Units Accumulated Reserve in May 2018. This will reduce the accumulated reserve for the accounts chosen. Using Power Plan Fixed Asset Software, a small dollar retirement will be made from Mill Creek assets to accomplish this process.

Would you please recommend the units, plant accounts, and amounts between units that will best accommodate this situation?

**EMAIL – July 17, 2017**

Eric:

I agree with all of your recommendations for implementation. I would suggest you spread all the Paddy's run reserve to all four Mill Creek units. We can discuss how much goes to each unit if you want.

John

From: Riggs, Eric [mailto:Eric.Riggs@lge-ku.com]  
Sent: Thursday, July 13, 2017 11:13 AM  
To: Spanos, John J. <jspanos@GFNET.com>  
Cc: Wiseman, Sara <Sara.Wiseman@lge-ku.com>  
Subject: LG&E and KU Depreciation Rate Implementation

John,

Sara and I wanted to touch base with you regarding the implementation of the depreciation rates approved for use by the companies starting in July 2017. From your perspective is there anything that we should be taking into consideration as we implement these rates?

The key items that we have are:

In regards to Ash Ponds, we are setting up new depreciation groups and transferring the appropriate assets to use the approved rate of 0% per the stipulation agreement.

The electric meters account is being divided into two plant accounts with one depreciation group for meters and another depreciation group for Current Transformers and Potential Transformers.

For LG&E – the previously retired Paddys Run Steam Generating Plant is nearly demolished. The cost of this is being tagged to LG&E's Mill Creek Plant as Paddys does not have any generating reserves since it was retired decades ago. Depending on how this is processed against one or more of the 4 units at Mill Creek, it could result in the cost of removal to flip from a negative balance to a positive balance.

**Kentucky Utilities and LGE Data Questions  
2016 and 2017**

**Kentucky Utilities**

1. Account 311

- a. Was any of the of the 2016 Cost of Removal (COR) associated with the retirements of \$61.7K related to the Tyrone Plant? If so, how much? If the "KU\_ Plant report\_December 2016" file is provided, we can make this determination.

**Response: Please see December 2016 Plant report provided.**

2. Account 316

- a. Was any of the of the 2016 Cost of Removal (COR) associated with the retirements of \$12K related to the Green River Plant? If so, how much? If the "KU\_ Plant report\_December 2016" file is provided, we can make this determination.

**Response: Please see December 2016 Plant Report provided.**

3. Why is plant still being added to the "Retired Plants"?

- a. \$1,1571.39 to Tyrone 3 in Account 311?  
b. \$42,182.68 to Green River 4 in Account 316?

**Response: Assets are being added to maintain the plant site, for security purposes, for preservation of the retired assets for future salvage/demolition, and to minimize asbestos and other environmental concerns.**

**The \$42,182.68 - Green River 4 Account 316 was for the purchase of Kubota tractors for plant maintenance.**

**The amount for item (a.) appears to be a typo as no corresponding amount could be found in the data files previously sent. There is an amount of \$1,571.39 that relates to Green River 4, Account 316 for lawn equipment. Please advise if a different amount was intended.**



**Kentucky Utilities and LGE Data Questions  
2016 and 2017**

**Louisville Gas and Electric**

1. Why is plant still being added to the "Retired Plants"?
  - a. \$2,864.30 to the Cane Run Units?

**Response: Assets are being added to maintain the plant site, for security purposes, for preservation of the retired assets for future salvage/demolition, and to minimize asbestos and other environmental concerns.**

**The \$2,864.30 was for assets relating to safety which were allocated to multiple plant accounts.**

2. Account 311
  - a. Was the 2017 (vintage 1965) retirement reversal of 34,661.34 related to Mill Creek Unit 1 duplicated? It appears twice in the activity and there are no earlier retirements for this vintage to be reversed.

**Response: Yes, the amount was duplicated. Please see 1972 for the other side of the duplication.**

3. Account 312
  - a. Was any of the \$2.5M of retirements related to Trimble County Unit 1 made in 2016 and 2017 associated with the installation of the new Pulse Jet Fabric Filter Baghouse going into service? If so, how much?
  - b. Are the \$58.2M of 2016 retirements at Mill Creek Unit 3 Scrubber associated with the replacement of the Scrubber?
    - i. If so, and it is not the entire amount, how much of the \$58.2M is related to the replacement of the Scrubber?
  - c. Was any of the 2016 COR and/or Gross Salvage associated with the 2016 retirements of the Rail Cars? If so, how much? If the "LGE\_Plant report\_December 2016" file is provided, we can make this determination.
  - d. Was any of the 2016 COR and/or Gross Salvage associated with the 2016 retirements related to the Cane Run Units? If so, how much? If the "LGE\_Plant report\_December 2016" file is provided, we can make this determination.

**Response:**

- a. **No. The \$2.5M of retirements is comprised of 20 different projects, which do not relate to the Pulse Jet Fabric Filter Baghouse installation. The largest of these 20 projects was for \$1.3M for a Bottom Ash Hopper replacement.**

**Kentucky Utilities and LGE Data Questions  
2016 and 2017**

**b. Yes, \$57.9M of the \$58.2M of 2016 retirements relate to the replacement of the Scrubber.**

**c. Please see December 2016 Plant Report provided.**

**d. Please see December 2016 Plant Report provided.**

**4. Account 314**

- a. Is the 2016 (vintage 2002) retirement reversal of 1,065,664.45 related to Mill Creek Unit 2 a duplication of the reversal of the same amount that took place in 2015? If not, what is to be reversed as there are no other retirements for this Plant in this vintage to be reversed?

**Response: The data provided in 2015 3<sup>rd</sup> Quarter contained an adjustment for this amount between the years 2002 and 1974. This should be the missing offset.**

**5. Account 315**

- a. Is the \$1.4M of 2016 Mill Creek 3 Scrubber retirements related to the replacement of the Scrubber? If so, how much of the 2016 COR is associated with these retirements? If the "LGE\_Plant report\_December 2016" file is provided, we can make this determination.

**Response: Please see the 2016 Plant Report provided.**

Generation Services Engineering 2018 Steam Only Depreciation Study  
Evaluation

[CONFIDENTIAL]

5/25/18

**Methodology**

Many factors influence the end of life for a generating station. To complete this analysis the following assumptions were made regarding factors outside the direct technical evaluation:

- All necessary environmental permits and licenses will be maintained
- Future changes in environmental regulations are a consideration for unit retirement
- Units will continue to operate in a manner that is consistent with recent operating practices, with a similar number of annual starts and stops, and annual generation
- Units will continue to be operated in accordance with good industry practices with required renewals and replacements made in a timely manner

The steam generating units were reviewed at a high level and although many individual components could fail it was decided that those would not constitute an “end of life” event and could be mitigated. The boiler drum and turbine/generator were the two components/systems identified where catastrophic failure would be consideration for retirement.

Although the boiler is a complex system with many elements, the boiler drum is a large single component with approximately 240k hours of defined life and is significantly influenced by thermal cycling. Electric Power Research Institute (EPRI) studies indicate that after approximately 1,700 normal start/stop cycles the risk of a critical flaw developing is greatly increased.

The turbine/generator is a single system, whose failure could lead to significant downtime and repair/replacement costs. Several key factors are taken into consideration when evaluating the generator such as insulation type, winding age, recent inspection findings, and test results. Wear, cracking, and blade condition are key considerations for the turbine.

**Review**

The depreciation review process conducted by Generation Engineering consisted of evaluating key parameters (i.e. pressures, temperatures, voltages etc..) with equipment condition (i.e. inspection data, EPRI, IEEE, etc..) to provide a risk based assessment regarding the likelihood of equipment failure as compared to industry norms.

[CONFIDENTIAL]

*Boiler*

EPRI states:

- A critical flaw size crack appears on average at around 30 years of service (240,000 hours).
- The average number of cycles of a coal drum unit is expected to be 1,700 normal starts/stops to drive a critical flaw to failure.
- Natural Circulation boilers are more susceptible to ligament cracking than are Forced Circulation boilers.

The boiler review included previous inspection reports and a review of design vs typical operating temperatures and pressures.

*Generator*

Generators are regularly inspected and electrically tested. Those results were reviewed along with any other known issues. In most cases where the generator winding was beyond design life, no known issues have been observed and no concerns exist regarding condition.

*Turbine*

Turbines are inspected on a routine basis with periodic repairs/overhauls to bring the unit to as designed operation. To-date, no issues have been observed which did not allow a return to as designed operation.

**Summary**

Based on EPRI's research and the Generation Services Engineering review of units comparing their data, the boiler drum should not reduce the retirement year of each unit. While the EPRI "average end of drum life" for MC3 & MC4 are just short of the previous end of life depreciation study, the difference is not significant when considering these are typical and average numbers used from the analysis.

There are no known concerns regarding generator or turbine condition impacting unit end of life across the fleet.

No changes are recommended to existing unit retirement dates as identified in the 2015 study.

JORD WILSON - DESIGN COSTS

5/13/18

GRAND TOTAL - 2015 COSTS ALREADY / 2016 JANUARY - 5/16/17 AFFIDAVIT 2018 UNIT 1-4

PARTIAL COST - 5.2M - 5/16/17 AFFIDAVIT RETURNED / DEC 11/17 - 2017/2018

BELOW - 11.6M ESTIMATED

PREVIOUS - 8.6M

CURRENT - 53.4M UNIT 1-6

CURRENT - 10.5M

2020/2021

COMPLETED IN 5-15 - OTHERS BY 2019

**Spanos, John J.**

---

**From:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>  
**Sent:** Thursday, May 31, 2018 10:05 AM  
**To:** Spanos, John J.  
**Subject:** Info

John,

I can't remember if I mentioned this to you or not....Heather Metts (my director) is moving to another department. Susan Neal is taking her place. They will both be in the meeting this afternoon. I guess the official transition takes place in mid June.

**Sara Wiseman**

Manager | Property Accounting | LG&E and KU  
220 West Main Street, Louisville, KY 40202  
**O:** 502-627-3189 | **M:** 502-338-0886  
lge-ku.com

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**Spanos, John J.**

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**From:** Spanos, John J.  
**Sent:** Tuesday, May 1, 2018 1:23 PM  
**To:** Wiseman, Sara  
**Cc:** Riggs, Eric  
**Subject:** RE: Depreciation update for LG&E and KU  
**Attachments:** KU-2017-Steam-v1.xlsx; KU-2017-Steam-v2.xlsx; LGE - 2017 - Electric-Steam-v1.xlsx; LGE - 2017 - Electric-Steam-v2.xlsx

Sara and Eric:

Attached are our preliminary results. I have supplied two versions.

The first version for each company reflects that reserve amounts you supplied us by account and location. The second version for each company reflects needed reserve adjustment for various accounts and locations most of which relate to retired plants.

Note: it is very unusual to be adding capital dollars to retired plants particular when the costs are not true property units or have a life more than one year. Also, there are some very unusual reserve transactions that created very large negative reserve amounts that did not make sense. Some of which should have been corrected by our last round of reserve adjustments which does not seem to have occurred.

Anyway I prefer version 2 over version 1 at this point.

John

**From:** Wiseman, Sara [mailto:Sara.Wiseman@lge-ku.com]  
**Sent:** Monday, April 30, 2018 11:10 AM  
**To:** Spanos, John J. <jspanos@GFNET.com>  
**Cc:** Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** RE: Depreciation update for LG&E and KU

John,

When do you anticipate we will see some results? Our schedule had 4/27 has as a date to see preliminary results.

Sara

**From:** Spanos, John J. [mailto:jspanos@GFNET.com]  
**Sent:** Tuesday, April 24, 2018 9:09 PM  
**To:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>  
**Cc:** Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** RE: Depreciation update for LG&E and KU

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

We are moving along pretty well. We have completed the initial analysis and are beginning the depreciation calculation process

**Johnston Jr., Frederick B.**

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**From:** Spanos, John J.  
**Sent:** Thursday, March 29, 2018 12:23 PM  
**To:** Johnston Jr., Frederick B.  
**Subject:** FW: data questions  
**Attachments:** KU\_Plant report\_December 2016.xlsx; LGE\_Plant report\_December 2016.xlsx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**From:** Daly, Karen [mailto:Karen.Daly@lge-ku.com]  
**Sent:** Thursday, March 29, 2018 9:49 AM  
**To:** Spanos, John J. <jspanos@GFNET.com>  
**Cc:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>; Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** RE: data questions

John,

I have just sent through secure mail the 2016 Plant Reports for both LG&E and KU as requested.

The other responses will be forwarded when complete.

If you do not receive the plant reports, please let us know.

Thanks!  
Karen

**From:** Spanos, John J. [mailto:jspanos@GFNET.com]  
**Sent:** Thursday, March 29, 2018 8:16 AM  
**To:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>; Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** data questions

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Sara and Eric:

We have developed some questions regarding the data that we need further understanding.

Please see the attached file

Thanks  
John

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entities other than the intended recipient is not allowed. If you received this message and the information contained therein by error, please contact the sender and delete the material from your/any storage medium.



**Spanos, John J.**

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**From:** Daly, Karen <Karen.Daly@lge-ku.com>  
**Sent:** Thursday, March 15, 2018 2:08 PM  
**To:** Spanos, John J.  
**Cc:** Wiseman, Sara; Riggs, Eric  
**Subject:** Depreciation Study Files

John,

We have sent through secure email the following files:

- 1.) Depreciation Database Activity for 2016 & 2017
- 2.) KU salvage and cor reports
- 3.) LGE salvage and cor reports
- 4.) KU Plant Report as of 12/31/2017
- 5.) LGE Plant Report as of 12/31/2017

If you don't receive the emails, please let us know.

Thanks!

**Karen Daly**

Senior Accounting Analyst | Property Accounting | LG&E and KU  
20 West Main Street, Louisville, KY 40202

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