

Application of SAN DIEGO GAS & ELECTRIC)
COMPANY for authority to update its gas and)
electric revenue requirement and base rates)
effective January 1, 2019 (U 902-M))

Application No. 17-10-007

Exhibit No.: (SDG&E-34-WP-R)

WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF MATTHEW C. VANDERBILT
ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY
VOLUME 1 OF 2

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

DECEMBER 2017



SDG&E WORKPAPERS TO DIRECT TESTIMONY OF MATTHEW C. VANDERBILT

DEPRECIATION

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1 **I. RATE RECALCULATION SUMMARY**

2 This workpaper section summarizes the depreciation rate recalculation for San Diego Gas
3 & Electric Company (SDG&E) based on balances as of December 31, 2016. Rates and the
4 accompanying depreciation accrual estimate are provided based upon the proposed and current
5 depreciation parameters, including survivor curve type, average service life (ASL), and future net
6 salvage rate (FNS%).

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8 Rate Recalculation - Proposed Depreciation Parameters.....MCV-WP-3
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SAN DIEGO GAS & ELECTRIC COMPANY
Depreciation Rate Recalculation Summary
Proposed Depreciation Parameters - Tangible Plant

Figures as of December 31, 2016

Depreciation Account (A)	Accumulated Cost (B)	Accumulated Reserves (C)	Future Net Salvage (\$) (D)=(B)x(H)	Recoverable Balance (E)=(B)-(D)+(C)	Cost-Weighted Average Age (F)	Proposed Parameters Curve / End-of-Life (G)	Future Net Salvage (%) (H)	Expectancy (I)	Annual Accrual	
									Estimate (J)=(E)x(I)	Rate (K)=(J)/(B)
C391.20-Offc Furn & Eq-Cmptr Common IT Hardware	49,898,065.62 49,898,065.62	(30,568,518.55) (30,568,518.55)	- -	\$ 19,329,547.07 19,329,547.07	3 7/12 3 7/12	SQ-5 5	- -	1 1/2 1 1/2	\$ 12,886,375.04 12,886,375.04	25.8254% 25.8254%
C390.10-Struct & Improv-Other	\$ 348,570,446.62	\$ (148,905,864.64)	\$ (34,857,044.66)	234,521,626.64	9	R0.5-41.11/1/12	(10.0000%)	36 5/12	6,440,187.57	1.8476%
C391.10-Offc Furn & Eq-Other	32,105,175.02	(14,947,792.49)	1,197,523.03	15,959,859.50	9	SQ-18	3.7300%	9 1/12	1,757,019.91	5.4727%
C392.10 - Trans Eq - Autos	408,265.53	293,878.49	-	702,144.02	3 1/12	S3-3 1/2	-	2 7/12	271,797.88	66.5738%
C392.20-Transprtn Eq-Trailer	12,195.98	(5,070.30)	-	7,125.68	24 1/2	SQ-23	-	-	-	-
C392.30-Transprtn Eq-Aviation	-	-	-	-	-	SQ-6	71.0000%	-	-	-
C393.10-Stores Equip-Other	58,941.18	(45,602.10)	-	13,339.08	18 3/4	SQ-23	-	4 1/4	3,138.62	5.3250%
C394.11-Portable Tools-Other	1,232,026.51	(367,390.64)	-	864,635.87	7 5/12	SQ-23	-	15 7/12	55,484.31	4.5035%
C394.21-Shop Equip - Other	191,385.80	(121,683.84)	-	69,701.96	22	SQ-29	-	7 1/12	9,840.29	5.1416%
C394.31-Garage Equip -Other	1,626,443.82	(227,945.82)	-	1,398,498.00	7 1/2	SQ-21	-	13 1/2	103,593.09	6.3693%
C395.10-Laboratory Eq -Other	2,095,455.34	(982,940.82)	-	1,112,514.52	13 1/4	SQ-26	-	12 3/4	87,254.76	4.1640%
C397.10-Commun Equip -Other	188,234,125.17	(75,536,327.32)	-	112,697,797.85	5 1/6	SQ-13	-	7 11/12	14,235,393.95	7.5626%
C398.10-Misc Equip - Other	2,446,629.19	(462,081.67)	24,466.29	1,960,081.23	4 11/12	SQ-14	1.0000%	9 1/12	215,787.80	8.8198%
Common Non-IT	576,981,090.16	(241,308,821.15)	(33,635,055.34)	369,307,324.33	7 3/4	30 5/6	(5.8295%)	25 1/4	23,179,498.18	4.0174%
COMMON TANGIBLE PLANT	626,879,155.78	(271,877,339.70)	(33,635,055.34)	388,636,871.42	7 5/12	28 3/4	(5.3655%)	23 1/3	36,065,873.22	5.7532%
E341.00-Struct and Improv -CPEP	1,865,081.16	(426,614.35)	(374,582.90)	1,813,049.71	3 2/3	mid-2027	(20.0840%)	10 1/2	172,672.94	9.2582%
E342.00-Fuel Holders P&A -CPEP	583,293.51	(162,902.82)	(33,693.95)	454,084.64	4 1/2	mid-2027	(5.7765%)	10 1/2	43,245.96	7.4141%
E343.00-Prime Movers-CPEP	9,985,625.43	(2,891,647.09)	-	7,093,978.34	4 1/12	mid-2027	-	10 1/2	675,617.43	6.7659%
E344.00-Generators-CPEP	1,972,752.53	(497,685.29)	(206,054.00)	1,681,121.24	4 1/12	mid-2027	(10.4450%)	10 1/2	160,106.62	8.1159%
E345.00-Access Elect Eq -CPEP	833,676.56	(230,647.68)	(138,847.16)	741,876.04	4 1/2	mid-2027	(16.6548%)	10 1/2	70,654.92	8.4751%
E346.00-Misc Power Pnt Eq -CPEP	15,955,142.18	(4,400,623.25)	(753,178.01)	12,307,696.94	4 1/3	14 5/6	(4.7206%)	10 1/2	49,865.53	6.9770%
Cuyamaca Peak Energy Plant	29,030,623.33	(15,901,193.36)	(3,687,527.84)	16,816,957.81	11 1/12	mid-2026	(12.7022%)	9 1/3	1,801,814.67	6.2066%
E311.00-Struct and Improv -DSEC	50,816,508.89	(25,285,933.79)	(2,602,567.50)	28,133,142.60	10 5/6	mid-2026	(5.1215%)	9 1/3	3,014,282.86	5.9317%
E314.00-Turbogenerator Unit-DSEC	14,404,853.68	(5,747,901.61)	(1,814,406.56)	10,471,358.63	8 1/3	mid-2026	(12.5958%)	9 1/3	1,121,936.43	7.7886%
E315.00-Access Elect Eq -DSEC	46,289,403.14	(21,032,585.66)	(45,965.38)	25,302,782.86	10 1/6	mid-2026	(0.0993%)	9 1/3	2,710,985.18	5.8566%
E316.00-Misc Power Pnt Eq -DSEC	4,645,748.02	(1,697,392.38)	(39,056.80)	2,987,412.44	8	mid-2026	(0.8407%)	9 1/3	320,082.75	6.8898%
E341.00-Struct and Improv -DSEC	1,751,015.10	(715,900.13)	(645,986.24)	1,681,101.21	8 1/2	mid-2026	(36.8921%)	9 1/3	180,118.17	10.2865%
E342.00-Fuel Holders P&A -DSEC	594,393.17	(318,178.16)	(172,373.42)	448,588.43	11 5/6	mid-2026	(28.9999%)	9 1/3	48,063.23	8.0861%
E343.00-Prime Movers-DSEC	24,346,703.64	(11,594,081.61)	-	12,752,622.03	10 5/12	mid-2026	-	9 1/3	1,366,337.01	5.6120%
E344.00-Generators-DSEC	108,118,593.28	(59,122,867.53)	(539,511.78)	49,535,237.53	10 3/4	mid-2026	(0.4990%)	9 1/3	5,307,325.51	4.9088%
E345.00-Access Elect Eq -DSEC	9,194,214.31	(4,717,327.17)	519,371.97	3,957,515.17	10 5/6	mid-2026	5.6489%	9 1/3	424,018.78	4.6118%
E346.00-Misc Power Pnt Eq -DSEC	22,341,824.96	(12,475,595.65)	-	9,866,229.31	11 5/6	mid-2026	-	9 1/3	1,057,103.45	4.7315%
Desert Star Energy Center	311,533,881.52	(158,608,957.05)	(9,028,023.55)	161,957,948.02	10 7/12	19 11/12	(2.8979%)	9 1/3	17,352,068.04	5.5699%
E341.00-Struct and Improv -Miramar	5,075,863.44	(1,640,933.54)	(395,876.74)	3,830,806.64	7 5/6	mid-2032	(7.7992%)	15 1/2	247,148.87	4.8691%
E342.00-Fuel Holders P&A -Miramar	5,232,870.11	(1,718,446.88)	(175,997.12)	3,690,420.35	8 1/2	mid-2032	(3.3633%)	15 1/2	238,095.59	4.5500%
E343.00-Prime Movers-Miramar	53,361,935.44	(19,756,294.88)	-	33,605,640.56	8 11/12	mid-2032	-	15 1/2	2,168,095.44	4.0630%
E344.00-Generators-Miramar	19,735,850.40	(5,056,081.52)	(593,792.53)	15,273,561.41	6 1/2	mid-2032	(3.0087%)	15 1/2	985,391.27	4.9929%
E345.00-Access Elect Eq -Miramar	13,456,923.11	(4,693,239.83)	(167,363.75)	8,931,047.03	8 7/12	mid-2032	(1.2437%)	15 1/2	576,185.08	4.2817%
E346.00-Misc Power Pnt Eq -Miramar	3,116,323.39	(552,520.11)	-	2,563,803.28	4	mid-2032	-	15 1/2	165,408.21	5.3078%
Miramar Energy Facility	99,979,765.89	(33,417,516.76)	(1,333,030.14)	67,895,279.27	8 1/6	23 2/3	(1.3333%)	15 1/2	4,380,324.46	4.3812%
E311.00-Struct and Improv -Palomar	58,580,076.73	(19,210,486.06)	(1,890,554.82)	41,260,145.49	8 1/12	mid-2036	(3.2273%)	19 1/2	2,115,912.37	3.6120%

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Figures as of December 31, 2016

Depreciation Account	Accumulated Cost	Accumulated Reserves	Future Net Salvage (\$)	Recoverable Balance	Cost-Weighted Average Age	Proposed Parameters		Annual Accrual		
						Curve / End-of-Life	Future Net Salvage (%)	Expectancy	Estimate	Rate
E312.00-Boiler Plant Equip - Palomar	106,700,146.62	(40,914,919.07)	(3,452,389.94)	69,237,617.49	10 5/12	mid-2036	(3.2356%)	19 1/2	3,550,660.78	3.3277%
E314.00-Turbogenerator Unit-Palomar	116,387,362.29	(36,356,972.81)	(2,300,047.05)	82,330,436.53	8 5/6	mid-2036	(1.9762%)	19 1/2	4,222,067.95	3.6276%
E315.00-Access Elect Eq -Palomar	37,254,067.11	(12,675,405.18)	(166,860.97)	24,745,522.90	9 3/4	mid-2036	(0.4479%)	19 1/2	1,269,022.54	3.4064%
E316.00-Misc Power Pnt Eq-Palomar	42,075,090.04	(9,079,601.96)	(150,081.85)	33,145,569.93	6 1/4	mid-2036	(0.3567%)	19 1/2	1,699,749.49	4.0398%
E341.00-Struct and Improv -Palomar	14,011,464.22	(4,417,444.72)	(647,203.54)	10,241,223.04	8 5/6	mid-2036	(4.6191%)	19 1/2	525,177.70	3.7482%
E342.00-Fuel Holders P & A-Palomar	14,913,944.00	(4,380,802.51)	(303,767.21)	10,836,908.70	9 5/6	mid-2036	(2.0368%)	19 1/2	555,738.30	3.7263%
E343.00-Prime Movers-Palomar	-	-	-	-	-	mid-2036	-	-	-	-
E344.00-Generators-Palomar	171,185,251.98	(59,242,142.36)	(1,454,218.72)	113,397,328.34	10 1/4	mid-2036	(0.8495%)	19 1/2	5,815,163.01	3.3970%
E345.00-Access Elect Eq-Palomar	6,710,403.41	(2,159,495.06)	288,795.63	4,262,112.72	7 5/6	mid-2036	4.3037%	19 1/2	218,564.55	3.2571%
E346.00-Misc Power Pnt Eq -Palomar	859.19	(102.62)	-	756.57	2 1/2	mid-2036	-	19 1/2	38.80	4.5159%
Palomar Energy Center	567,818,665.59	(188,437,372.35)	(10,076,328.47)	389,457,621.71	9 1/3	28 5/6	(1.7746%)	19 1/2	19,972,095.49	3.5173%
E341.10 - Struct & Improv - Solar	-	-	-	-	-	L3-25	(15.0000%)	-	-	-
E342.10 - Fuel Holders - Solar	-	-	-	-	-	L3-25	(15.0000%)	-	-	-
E343.10 - Prime Movers Solar	-	-	-	-	-	L3-25	(15.0000%)	-	-	-
E344.10-Generators -Solar	41,758,723.78	(9,808,273.13)	(6,263,808.57)	38,214,252.22	5 3/4	L3-25	(15.0000%)	19 1/3	1,976,607.43	4.7334%
E345.10-Access Elect Eq -Solar	2,315,702.46	(796,684.82)	(347,355.37)	1,866,373.01	8 5/12	L3-25	(15.0000%)	16 3/4	111,424.66	4.8117%
E346.10 - Misc Eq - Solar	-	-	-	-	-	L3-25	(15.0000%)	-	-	-
Solar Energy Projects	44,074,426.24	(10,604,957.95)	(6,611,163.94)	40,080,632.23	5 11/12	25	(15.0000%)	19 1/6	2,088,032.09	4.7375%
E341.20 - Struct & Improv - Wind	-	-	-	-	-	S5-13	(15.0000%)	-	-	-
E342.20 - Fuel Holders - Wind	-	-	-	-	-	S5-13	(15.0000%)	-	-	-
E343.20 - Prime Movers Wind	-	-	-	-	-	S5-13	(15.0000%)	-	-	-
E344.20 - Generators - Wind	257,070.59	(43,623.09)	(38,560.59)	252,008.09	3 1/2	S5-13	(15.0000%)	9 1/2	26,527.11	10.3190%
E345.20-Access Elect Eq -Wind	-	-	-	-	-	S5-13	(15.0000%)	-	-	-
E346.20 - Misc Eq -Wind	-	-	-	-	-	S5-13	(15.0000%)	-	-	-
Wind Energy Projects	257,070.59	(43,623.09)	(38,560.59)	252,008.09	3 1/2	13	(15.0000%)	9 1/2	26,527.11	10.3190%
Steam Production	506,183,879.85	(187,902,391.88)	(16,149,458.71)	334,430,946.68	9 1/3	25 11/12	(3.1904%)	16 7/12	21,826,515.02	4.3120%
Other Production	533,435,072.16	(207,610,658.57)	(11,690,825.99)	337,513,239.58	9 5/12	24 2/3	(2.1916%)	15 1/4	23,164,695.57	4.3426%
Electric Production	1,039,618,952.01	(395,513,050.45)	(27,840,284.70)	671,946,186.26	9 5/12	25 1/3	(2.6779%)	15 11/12	44,991,210.59	4.3277%
E361.00-Struct. and Improv.	4,684,420.32	(1,813,356.22)	(6,792,409.46)	9,663,473.56	17 1/2	S0-62 5/12	(145.0000%)	49 11/12	193,593.04	4.1327%
E362.10-Station Equip.-Other	497,743,667.56	(166,234,965.86)	(721,728,317.96)	1,053,237,019.66	13 11/12	R1.5-53 1/2	(145.0000%)	42 3/4	24,637,316.06	4.9498%
E363.00-Batteries - Storage	38,262,883.92	(6,698,466.78)	(5,739,432.59)	37,303,849.73	2	SQ-10	(15.0000%)	8	4,662,982.87	12.1867%
E364.00-Poles, Towers & Fxtr	671,234,957.39	(265,846,550.67)	(671,234,957.39)	1,076,623,364.11	13 5/12	R0.5-48 2/3	(100.0000%)	40 2/3	26,474,177.95	3.9441%
E365.00-Overhead Cond & Dev	612,265,759.06	(202,233,975.72)	(428,586,031.34)	838,617,814.68	12 7/12	R1-59 1/12	(70.0000%)	50 1/3	16,660,975.84	2.7212%
E366.00-Underground Conduit	1,179,180,816.54	(463,386,714.25)	(884,385,612.41)	1,600,179,714.70	15 11/12	R3-59 2/3	(75.0000%)	44 3/4	35,757,479.08	3.0324%
E367.00-Underground Cond & Dev	1,477,512,734.59	(883,718,630.88)	(1,329,276,461.13)	1,923,555,564.84	15 1/6	R3-49	(90.0000%)	34 11/12	55,089,062.31	3.7285%
E368.10-Line Transformers	597,268,187.99	(139,098,170.47)	(567,404,778.59)	1,025,574,796.11	12 1/2	L0.5-34 1/3	(95.0000%)	26 11/12	38,101,529.52	6.3793%
E368.20-Capacitors	34,948,634.53	(3,104,434.64)	(33,201,202.80)	65,045,402.69	6 11/12	O2-12 1/4	(95.0000%)	9 5/6	6,614,763.01	18.9271%
E369.10-Services Overhead	146,323,665.87	(119,990,843.46)	(201,195,040.57)	227,527,862.98	16 1/6	S-5-58 7/12	(137.5000%)	48 7/12	4,683,235.25	3.2006%
E369.20-Services Underground	342,165,360.26	(241,411,745.77)	(342,165,360.26)	442,918,974.75	18 1/6	L4-55 1/6	(100.0000%)	37 5/12	11,837,552.80	3.4596%
E370.10-Meters	3,509,706.84	(397,174.69)	3,112,532.15	3,112,532.15	6 1/3	O2-19 5/12	-	16 2/3	186,751.50	5.3210%
E370.11-Meters - Electronic	189,867,454.33	(77,263,644.23)	-	112,603,810.10	6 1/6	R5-15	-	8 5/6	12,747,511.02	6.7139%
E370.20-Meter Installations	5,231,200.76	(318,865.60)	-	4,912,335.16	3 1/4	O2-19 5/12	-	17 11/12	274,177.69	5.2412%
E370.21-Meter Installations-Electr	50,556,956.91	(19,998,012.46)	-	30,567,944.45	5 11/12	R0.5-50 1/6	-	46 1/2	657,392.11	1.3003%
E371.00-Installations - Cust Prem	8,616,916.86	(10,352,612.28)	(9,155,474.16)	7,419,778.74	19 1/12	O1-40	(106.2500%)	30 5/12	243,936.30	2.8309%
E373.20-St. Lightg & Signl Sys	29,637,523.68	(18,672,782.73)	(33,601,276.05)	43,566,017.00	20 2/3	O1-40	(110.0000%)	29 2/3	1,468,509.66	4.9549%
Electric Distribution	5,889,010,847.41	(2,620,531,946.71)	(5,233,951,354.71)	8,502,430,255.41	14 1/6	50	(88.8766%)	38 1/3	240,290,946.01	4.0803%
E390.00-Struct. and Improv.	33,480,595.20	(24,194,901.71)	(3,348,059.52)	12,633,753.01	17 5/6	R2.5-51	(10.0000%)	35 5/12	356,702.26	1.0654%
E392.20-Transpntn Eq-Trailer	58,145.67	(13,543.99)	-	44,601.68	9 2/3	SQ-27	-	17 1/3	2,573.18	4.4254%
E393.10-Stores Equip.-Other	8,545.97	(8,329.30)	-	216.67	25 5/6	SQ-26	-	1/2	433.34	5.0707%

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Figures as of December 31, 2016

Depreciation Account	Accumulated Cost	Accumulated Reserves	Future Net Salvage (\$)	Recoverable Balance	Cost-Weighted Average Age	Proposed Parameters		Annual Accrual		
						Curve / End-of-Life	Future Net Salvage (%)	Expectancy	Estimate	Rate
E394.11-Portable Tools-Other	25,617,106.25	(8,636,338.81)	-	16,980,767.44	9 1/4	SQ-27	-	17 3/4	956,670.83	3.7345%
E394.20-Shop Equipment	341,135.67	(253,928.80)	-	87,206.87	18 11/12	SQ-24	-	5 1/6	16,878.71	4.9478%
E395.10-Laboratory Eq.-Other	5,152,106.01	(469,685.35)	-	4,682,420.66	2 5/12	SQ-20	-	17 7/12	266,296.90	5.1687%
E397.10-Commun. Equip.-Other	250,043,779.68	(95,357,441.33)	(187,532,834.76)	342,219,173.11	9 1/6	R2.5-34 11/12	(75.00000%)	26 11/12	12,713,976.07	5.0847%
E397.20-Commun. Equip.-SWPL	6,968,665.21	(5,694,839.87)	(5,226,498.91)	6,560,324.25	21 1/6	R2.5-34 11/12	(75.00000%)	17 3/4	369,597.10	5.3037%
E397.60-Commun. Equip.-SRPL	14,034,986.34	(2,497,040.35)	(10,526,239.76)	22,064,185.75	4 1/2	R2.5-34 11/12	(75.00000%)	30 3/4	717,538.68	5.1125%
E397.70-Commun Dev - Telecom	34,543.12	(1,484.56)	(25,907.34)	58,965.90	11/12	R2.5-34 11/12	(75.00000%)	34 1/12	1,730.06	5.0084%
E398.10-Misc. Equip. - Other	5,799,585.20	(1,002,227.08)	-	4,797,358.12	2 3/4	SQ-14 7/12	(10.00000%)	11 5/6	405,408.40	6.9903%
E398.20-Misc. Equip. - EVSE						SQ-5				
Electric General	341,539,194.32	(138,069,761.15)	(206,659,540.29)	410,128,973.46	9 5/6	35 1/3	(60.5083%)	26 7/12	15,807,805.53	4.6284%
ELECTRIC TANGIBLE PLANT	7,270,168,993.74	(3,154,114,758.31)	(5,468,451,179.70)	9,584,505,415.13	13 1/3	45 3/4	(75.2177%)	34 7/12	301,089,962.13	4.1414%
G363.60-LNG Distrib Storg Eq	2,168,803.11	(1,003,568.56)	-	1,165,234.55	9 1/2	S4-20	-	11 7/12	100,595.59	4.6383%
Gas Storage	2,168,803.11	(1,003,568.56)	-	1,165,234.55	9 1/2	20	-	11 7/12	100,595.59	4.6383%
G366.00-Struct and Land Imp.	17,454,364.15	(10,013,521.95)	(4,363,591.04)	11,804,433.24	17 1/4	R2-53	(25.00000%)	38 5/6	303,985.21	1.7416%
G367.00-Mains	232,934,288.15	(75,357,743.18)	(116,467,144.08)	274,043,689.05	13 2/3	R3-64	(50.00000%)	51 1/4	5,347,239.52	2.2956%
G368.00-Compressor Stagn Eq	90,195,901.06	(68,614,010.04)	(13,529,385.16)	35,111,276.18	17 1/2	R3-55	(15.00000%)	38 5/6	904,213.91	1.0025%
G369.00-Meas & Reg Stagn Eq	23,104,561.20	(16,696,871.55)	(2,310,456.12)	8,718,145.77	15 2/3	R2.5-51	(10.00000%)	37 1/6	234,580.61	1.0153%
G371.00-Other Equipment	11,705,852	(3,900.27)	(11,705.85)	124,864.10	1/2	10.5-23	(10.00000%)	22 7/12	5,529.03	4.7233%
Gas Transmission	363,806,173.08	(170,686,046.99)	(136,682,282.25)	329,802,408.34	14 11/12	60 5/12	(37.5701%)	46 2/3	6,795,548.28	1.8679%
G375.00-Struct & Imp	43,446.91	(61,253.10)	(6,517.04)	(11,289.15)	49 1/3	S0-44	(15.00000%)	15 1/3	-	-
G376.00-Mains	884,546,207.74	(368,588,303.84)	(707,636,966.19)	1,223,594,870.09	16 1/12	R3-69	(80.00000%)	54 1/6	22,589,541.05	2.5538%
G378.00-Meas & Reg Stagn Eq	18,055,887.32	(8,040,161.50)	(9,027,943.66)	19,043,669.48	13 1/2	R2-52	(50.00000%)	40 2/3	468,279.44	2.5935%
G380.00-Services	267,051,852.85	(296,360,474.14)	(253,699,260.21)	224,390,638.92	25 5/12	R2-67	(95.00000%)	46	4,877,969.14	1.8266%
G381.00-Meters & Regulators	83,507,614.27	(30,539,837.13)	-	52,967,777.14	16 5/6	L1-40/2/3	-	29 7/12	1,790,486.76	2.1441%
G381.01-Meters-Regs-Modules	74,080,213.05	(24,154,038.16)	-	49,926,174.89	5 1/2	R3-15	-	9 5/6	5,077,235.56	6.8537%
G382.00-Meter & Reg Installs	70,465,457.05	(28,418,413.65)	(15,854,727.84)	57,901,771.24	14 3/4	L2-35 1/12	(22.50000%)	23 1/2	2,463,895.17	3.4966%
G382.01-Mtr-Reg-Mod Install	25,316,035.28	(10,895,674.64)	-	14,420,360.64	6 5/12	R3-15	-	9	1,602,251.87	6.3290%
G385.00-Ind Meas & Reg St Eq	1,516,810.70	(1,200,157.19)	-	316,653.51	18 1/3	S6-35	-	16 5/6	18,811.49	1.2402%
G387.11-Other Equipment	993,722.26	(798,830.72)	-	194,891.54	11	01-33 11/12	-	28 5/12	6,858.67	0.6902%
G387.12-Other Eq.-CNG Deprec	3,571,352.92	(3,498,628.86)	(0.13)	72,724.06	19 1/2	R2-25	-	10 1/12	7,210.56	0.2019%
G392.20-Transprt Eq-Trailer	74,500.55	(74,500.68)	-	-	19 11/12	SQ-21	-	1 1/12	-	-
G394.10-Portable Tools	10,072,198.03	(4,057,883.96)	-	6,014,314.07	10 1/12	SQ-23	-	12 11/12	465,627.64	4.6229%
G394.20-Shop Equipment	76,864.06	(51,845.17)	-	25,018.89	19 1/2	SQ-23	-	3 7/12	6,982.02	9.0836%
G395.00-Laboratory Equipment	283,093.66	(275,185.28)	-	7,908.38	19 5/12	SQ-18	-	-	-	-
G396.00-Power Operated Eq.	16,162.40	(8,026.95)	-	8,135.45	17 1/2	SQ-20	-	2 1/2	3,254.19	20.1343%
G397.00-Communication Equip.	2,704,868.34	(1,084,893.49)	-	1,619,974.85	6 2/3	SQ-15	-	8 1/2	190,585.02	7.0460%
G398.00-Misc. Equipment	473,380.31	(72,038.18)	-	401,342.13	4 1/3	SQ-19	-	14 2/3	27,364.22	5.7806%
Gas Distribution & General	1,442,849,667.70	(778,180,146.64)	(986,225,414.94)	1,650,894,936.00	17	60 3/4	(68.3526%)	45 11/12	39,596,352.80	2.7433%
TANGIBLE PLANT	1,808,824,643.89	(949,869,762.19)	(1,122,907,697.19)	1,981,862,578.89	16 7/12	60 2/3	(62.0794%)	46	46,492,496.67	2.5703%
TANGIBLE PLANT	\$ 9,705,872,793.41	\$ (4,375,861,860.20)	\$ (6,624,993,932.23)	\$ 11,955,004,865.44	13 1/2	47 5/12	(68.2576%)	36	\$ 383,648,332.02	3.9527%

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SAN DIEGO GAS & ELECTRIC COMPANY
Depreciation Rate Recalculation Summary
Current Depreciation Parameters - Tangible Plant

Figures as of December 31, 2016

Depreciation Account (A)	Accumulated Cost (B)	Accumulated Reserves (C)	Future Net Salvage (\$) (D)-(B)X(H)	Recoverable Balance (E)-(B)-(D)+(C)	Cost-Weighted Average Age (F)	Current Parameters			Annual/Accrual	
						Curve / End-of-Life (G)	Future Net Salvage (%) (H)	IRR (I)	Estimate (J)=(E)/(I)	Rate (K)=(J)/(B)
C391.20-Offc Furn & Eq-Cmpt	49,898,065.62	(30,568,518.55)	-	19,329,547.07	3 7/12	S6-5	-	-	\$ 12,208,110.63	24.4661%
Common IT Hardware	49,898,065.62	(30,568,518.55)	-	19,329,547.07	3 7/12	5	-	-	12,208,110.63	24.4661%
C390.10-Struct & Imprv-Other	\$ 348,570,446.62	\$ (148,905,864.64)	\$ (52,285,566.99)	\$ 251,950,148.97	9	S1-30	(15.0000%)	0.2500%	\$ 11,583,693.08	3.3232%
C391.10-Offc Furn & Eq-Other	32,105,175.02	(14,947,792.49)	-	17,157,382.53	9	S6-18	-	-	\$ 1,871,699.60	5.8299%
C392.10 - Trans Eq - Autos	408,265.53	293,878.49	-	702,144.02	3 1/12	S0-10	-	-	\$ 81,803.35	20.0368%
C392.20-Transprtn Eq-Trailer	12,195.98	(5,070.30)	-	7,125.68	24 1/2	S0-20	-	-	\$ 695.20	5.7002%
C392.30-Transprtn Eq-Aviation										
C393.10-Stores Equip-Other	58,941.18	(45,602.10)	-	13,339.08	18 3/4	S0-19	-	-	\$ 1,194.56	2.0267%
C394.11-Portable Tools-Other	1,232,026.51	(367,390.64)	-	864,635.87	7 5/12	R2.5-23	-	-	\$ 52,936.48	4.2967%
C394.21-Shop Equip - Other	191,385.80	(121,683.84)	-	69,701.96	22	L1.5-35	-	-	\$ 3,605.33	1.8838%
C394.31-Garage Equip -Other	1,626,443.82	(227,945.82)	-	1,398,498.00	7 1/2	R3-19	-	-	\$ 113,392.41	6.9718%
C395.10-Laboratory Eq -Other	2,095,455.34	(982,940.82)	-	1,112,514.52	13 1/4	R5-25	-	-	\$ 91,439.38	4.3637%
C397.10-Commun Equip -Other	188,234,125.17	(75,536,327.32)	-	112,697,797.85	5 1/6	S6-13	-	-	\$ 14,235,393.95	7.5626%
C398.10-Misc Equip - Other	2,446,629.19	(462,081.67)	244,662.92	1,739,884.60	4 11/12	R0.5-13	10.0000%	-	\$ 171,136.82	6.9487%
Common Non-IT	576,981,090.16	(241,308,821.15)	(52,040,904.07)	387,713,173.08	7 3/4	23 2/3	(9.0195%)	0.1510%	28,206,990.16	4.8887%
COMMON TANGIBLE PLANT	626,879,155.78	(271,877,339.70)	(52,040,904.07)	407,042,720.15	7 5/12	22 1/6	(8.3016%)	0.1390%	40,415,100.79	6.4470%
E341.00-Struct and Imprv -CPEP	1,865,081.16	(426,614.35)	(18,650.81)	1,457,117.62	3 2/3	mid-2027	(1.0000%)	-	\$ 138,773.23	7.4406%
E342.00-Fuel Holders P&A -CPEP	583,293.51	(162,902.82)	(11,665.87)	432,056.56	4 1/2	mid-2027	(2.0000%)	-	\$ 41,147.86	7.0544%
E343.00-Prime Movers-CPEP	9,985,625.43	(2,891,647.09)	-	7,093,978.34	4 1/2	mid-2027	-	-	\$ 675,617.43	6.7659%
E344.00-Generators-CPEP	1,972,752.53	(497,685.29)	(9,863.76)	1,484,931.00	4 1/2	mid-2027	(0.5000%)	-	\$ 141,422.68	7.1688%
E345.00-Access Elect Eq -CPEP	833,676.56	(230,647.68)	(16,673.53)	619,702.41	4 1/2	mid-2027	(2.0000%)	-	\$ 59,019.30	7.0794%
E346.00-Misc Power Pint Eq -CPEP	714,712.99	(191,126.02)	-	523,586.97	4 1/2	mid-2027	-	-	\$ 49,865.53	6.9770%
Cuyamaca Peak Energy Plant	15,955,142.18	(4,400,623.25)	(56,853.97)	11,611,372.90	4 1/3	14 5/6	(0.3563%)	-	\$ 1,105,846.03	6.9310%
E311.00-Struct and Imprv -DSEC	29,030,623.33	(15,901,193.36)	(1,741,837.40)	14,871,267.37	11 1/12	mid-2029	(6.0000%)	-	\$ 1,189,674.94	4.0980%
E312.00-Boiler Plant Equip-DSEC	50,816,508.89	(25,285,933.79)	(3,048,990.53)	28,579,565.63	10 5/6	mid-2029	(6.0000%)	-	\$ 2,286,387.18	4.4993%
E314.00-Turbogenerator Unit-DSEC	14,404,853.68	(5,747,901.61)	(864,291.22)	9,521,243.29	8 1/3	mid-2029	(6.0000%)	-	\$ 761,699.85	5.2878%
E315.00-Access Elect Eq -DSEC	46,289,403.14	(21,032,585.66)	(2,777,364.19)	28,034,181.67	10 1/6	mid-2029	(6.0000%)	-	\$ 2,242,767.87	4.8451%
E316.00-Misc Power Pint Eq -DSEC	4,645,748.02	(1,697,392.38)	(278,744.88)	3,227,100.52	8	mid-2029	(6.0000%)	-	\$ 258,168.86	5.5571%
E341.00-Struct and Imprv -DSEC	1,751,015.10	(715,900.13)	(105,060.91)	1,140,175.88	8 1/2	mid-2029	(6.0000%)	-	\$ 91,213.88	5.2092%
E342.00-Prime Movers P&A -DSEC	594,393.17	(318,178.16)	(35,663.59)	311,878.25	11 5/6	mid-2029	(6.0000%)	-	\$ 24,950.25	4.1976%
E343.00-Fuel Holders P&A -DSEC	24,346,703.64	(11,594,081.61)	(1,460,802.22)	14,211,424.25	10 5/12	mid-2029	(6.0000%)	-	\$ 1,137,064.10	4.6703%
E344.00-Generators-DSEC	108,118,593.28	(59,122,867.53)	(6,487,115.60)	55,482,841.35	10 3/4	mid-2029	(6.0000%)	-	\$ 4,438,592.61	4.1053%
E345.00-Access Elect Eq -DSEC	9,194,214.31	(4,717,327.17)	(643,595.00)	5,120,482.14	10 5/6	mid-2029	(7.0000%)	-	\$ 409,639.02	4.4554%
E346.00-Misc Power Pint Eq -DSEC	22,341,824.96	(12,475,595.65)	(1,340,509.50)	11,206,738.81	11 5/6	mid-2029	(6.0000%)	-	\$ 896,532.75	4.0128%
Desert Star Energy Center	311,533,881.52	(158,608,957.05)	(18,783,975.04)	171,708,899.51	10 7/12	23 1/12	(6.0295%)	-	\$ 13,736,691.31	4.4094%
E341.00-Struct and Imprv -Miramar	5,075,863.44	(1,640,933.54)	(50,758.63)	3,485,688.53	7 5/6	mid-2032	(1.0000%)	-	\$ 224,881.05	4.4304%
E342.00-Fuel Holders P&A -Miramar	5,232,870.11	(1,718,446.88)	(104,657.40)	3,619,080.63	8 1/2	mid-2032	(2.0000%)	-	\$ 233,490.66	4.4620%
E343.00-Prime Movers-Miramar	53,361,935.44	(19,756,294.88)	-	33,605,640.56	8 11/12	mid-2032	-	-	\$ 2,168,095.44	4.0630%
E344.00-Generators-Miramar	19,735,850.40	(5,056,081.52)	(98,679.25)	14,778,448.13	6 1/2	mid-2032	(0.5000%)	-	\$ 953,458.67	4.8311%
E345.00-Access Elect Eq -Miramar	13,456,923.11	(4,693,239.83)	(269,138.46)	8,699,822.14	8 7/12	mid-2032	(2.0000%)	-	\$ 582,752.06	4.3305%
E346.00-Misc Power Pint Eq -Miramar	3,116,323.39	(552,520.11)	-	2,563,803.28	4	mid-2032	-	-	\$ 165,408.21	5.3078%
Miramar Energy Facility	99,979,765.89	(33,417,516.76)	(523,233.74)	67,085,482.87	8 1/6	23 2/3	(0.5233%)	-	\$ 4,328,086.09	4.3290%
E311.00-Struct and Imprv -Palomar	58,580,076.73	(19,210,486.06)	(10,544,413.81)	49,914,004.48	8 1/12	mid-2036	(18.0000%)	-	\$ 2,559,715.03	4.3696%
E312.00-Boiler Plant Equip -Palomar	106,700,146.62	(40,914,919.07)	(10,670,014.66)	76,455,221.21	10 5/12	mid-2036	(10.0000%)	-	\$ 3,920,803.59	3.6746%
E314.00-Turbogenerator Unit-Palomar	116,387,362.29	(36,356,972.81)	(2,327,747.25)	82,358,136.73	8 5/6	mid-2036	(2.0000%)	-	\$ 4,223,464.60	3.6288%
E315.00-Access Elect Eq -Palomar	37,254,067.11	(12,675,405.18)	(745,081.34)	25,333,743.27	9 3/4	mid-2036	(2.0000%)	-	\$ 1,298,676.78	3.4860%

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Figures as of December 31, 2016

Depreciation Account	Accumulated Cost	Accumulated Reserves	Future Net Salvage (\$)	Recoverable Balance	Cost-Weighted Average Age	Current Parameters			Annual Accrual		
						Curve / End-of-Life	Future Net Salvage (%)	IRR	Expectancy	Estimate	Rate
E316.00-Misc Power Pint Eq-Palomar	42,075,090.04	(9,079,601.96)	(1,262,252.70)	34,257,740.78	6 1/4	mid-2036	(3.0000%)	19 1/2	\$ 1,756,803.31	4.1754%	
E341.00-Struct and Improv-Palomar	14,011,464.22	(4,417,444.72)	(140,114.64)	9,734,134.14	8 5/6	mid-2036	(1.0000%)	19 1/2	\$ 499,186.44	3.5627%	
E342.00-Fuel Holders P & A-Palomar	14,913,944.00	(4,380,802.51)	(298,278.88)	10,831,420.37	9 5/6	mid-2036	(2.0000%)	19 1/2	\$ 555,469.84	3.7245%	
E343.00-Prime Movers-Palomar	-	-	-	-	-	mid-2036	-	-	\$ -	-	
E344.00-Generators-Palomar	171,185,251.98	(59,242,142.36)	(855,926.26)	112,799,035.88	10 1/4	mid-2036	(0.5000%)	19	\$ 5,936,704.54	3.4680%	
E345.00-Access Elect Eq-Palomar	6,710,403.41	(2,159,495.06)	(134,208.07)	4,685,116.42	7 5/6	mid-2036	(2.0000%)	19 1/2	\$ 240,259.28	3.5804%	
E346.00-Misc Power Pint Eq-Palomar	859.19	(102.62)	-	756.57	2 1/2	mid-2036	-	19 1/2	\$ 38.80	4.5159%	
Palomar Energy Center	567,818,665.59	(188,437,372.35)	(26,978,037.61)	406,359,330.85	9 1/3	28 5/6	(4.7512%)	19 1/3	20,991,122.21	3.6968%	
E341.10 - Struct & Improv - Solar	-	-	-	-	-	SQ-25	-	-	\$ -	-	
E342.10 - Fuel Holders - Solar	-	-	-	-	-	SQ-25	-	-	\$ -	-	
E343.10 - Prime Movers Solar	-	-	-	-	-	SQ-25	-	-	\$ -	-	
E344.10-Generators - Solar	41,758,723.78	(9,808,273.13)	-	31,950,450.65	5 3/4	SQ-25	-	19 1/4	\$ 1,659,783.99	3.9747%	
E345.10-Access Elect Eq - Solar	2,315,702.46	(796,684.82)	-	1,519,017.64	8 5/12	SQ-25	-	16 7/12	\$ 91,599.93	3.9566%	
E346.10 - Miscd Eq - Solar	-	-	-	-	-	SQ-25	-	-	\$ -	-	
Solar Energy Projects	44,074,426.24	(10,604,957.95)	-	33,469,468.29	5 11/12	25	-	19 1/12	1,751,383.92	3.9737%	
E341.20 - Struct & Improv - Wind	-	-	-	-	-	SQ-20	-	-	\$ -	-	
E342.20 - Fuel Holders - Wind	-	-	-	-	-	SQ-20	-	-	\$ -	-	
E343.20 - Prime Movers Wind	-	-	-	-	-	SQ-20	-	-	\$ -	-	
E344.20 - Generators - Wind	257,070.59	(43,623.09)	-	213,447.50	3 1/2	SQ-20	-	16 1/2	\$ 12,936.31	5.0322%	
E345.20-Access Elect Eq - Wind	-	-	-	-	-	SQ-20	-	-	\$ -	-	
E346.20 - Miscd Eq - Wind	-	-	-	-	-	SQ-20	-	-	\$ -	-	
Wind Energy Projects	257,070.59	(43,623.09)	-	213,447.50	3 1/2	20	-	16 1/2	12,936.31	5.0322%	
Steam Production	506,183,879.85	(187,902,391.88)	(34,260,737.98)	352,542,225.95	9 1/3	26 5/6	(6.7684%)	17 1/2	20,498,162.01	4.0495%	
Other Production	533,435,072.16	(207,610,658.57)	(12,081,362.38)	337,905,771.97	9 5/12	25 2/3	(2.2648%)	16 1/12	21,427,903.86	4.0170%	
Electric Production	1,039,618,952.01	(395,513,050.45)	(46,342,100.36)	690,448,001.92	9 5/12	26 1/4	(4.4576%)	16 3/4	41,926,065.87	4.0328%	
E361.00-Struct. and Improv.	4,684,420.32	(1,813,356.22)	(5,855,525.40)	8,726,589.50	17 1/2	R2.5-63	(125.0000%)	48 1/4	\$ 180,865.47	3.8610%	
E362.10-Station Equip.-Other	497,743,667.56	(166,234,965.86)	(622,179,584.45)	953,688,286.15	13 11/12	R1.5-51	(125.0000%)	40 1/3	\$ 23,644,815.18	4.7504%	
E363.00-Batteries - Storage	38,262,883.92	(6,698,466.78)	(31,564,417.14)	31,564,417.14	2	SQ-10	-	8	\$ 3,945,553.80	10.3117%	
E364.00-Poles, Towers & Fxtr	671,234,957.39	(265,846,550.67)	(671,234,957.39)	1,076,623,364.11	13 5/12	R0.5-47	(100.0000%)	39	\$ 27,605,880.09	4.1127%	
E365.00-Overhead Cond & Dev	612,265,759.06	(202,233,975.72)	(428,586,031.34)	838,617,814.68	12 7/12	R0.5-55	(70.0000%)	47 1/2	\$ 17,655,995.43	2.8836%	
E366.00-Underground Conduit	1,179,180,816.54	(463,386,714.25)	(989,590,408.27)	1,305,384,510.56	15 11/12	R3-57	(50.0000%)	42 1/6	\$ 30,957,033.98	2.6253%	
E367.00-Undergrmd Cond & Dev	1,477,512,734.59	(883,718,630.88)	(960,383,277.48)	1,554,177,381.19	15 1/6	R3-45	(65.0000%)	31 1/12	\$ 50,000,508.45	3.3841%	
E368.10-Line Transformers	597,268,187.99	(139,098,170.47)	(418,087,731.59)	876,257,749.11	12 1/2	L0.5-34	(70.0000%)	26 7/12	\$ 32,962,634.03	5.5189%	
E368.20-Capacitors	34,948,634.53	(3,104,434.64)	(24,464,044.17)	56,308,244.06	6 11/12	L0-12	(70.0000%)	9 1/6	\$ 6,142,711.80	17.5764%	
E369.10-Services Overhead	146,323,665.87	(119,990,843.46)	(160,956,032.46)	187,288,854.87	16 1/6	R0.5-55	(110.0000%)	45 1/3	\$ 4,131,448.71	2.8235%	
E369.20-Services Underground	342,165,360.26	(241,411,745.77)	(256,624,020.20)	357,377,634.69	18 1/6	L4-53	(75.0000%)	35 1/4	\$ 10,138,359.62	2.9630%	
E370.10-Meters	3,509,706.84	(397,174.69)	-	3,112,532.15	6 1/3	R0.5-48	-	44 1/12	\$ 70,604.77	2.0117%	
E370.11-Meters - Electronic	189,867,454.33	(77,263,644.23)	-	112,603,810.10	6 1/6	SQ-15	-	8 5/6	\$ 12,747,511.02	6.7139%	
E370.20-Meter Installations	5,231,200.76	(318,865.60)	-	4,912,335.16	3 1/4	R0.5-48	-	46	\$ 106,789.73	2.0414%	
E370.21-Meter Install-Electr	50,556,956.91	(19,989,012.46)	-	30,567,944.45	5 11/12	SQ-15	-	9 1/12	\$ 3,365,273.28	6.6564%	
E371.00-Instalns - Cust Prem	8,616,916.86	(10,352,612.28)	(7,755,225.17)	6,019,529.75	19 1/12	R0.5-34	(90.0000%)	22 11/12	\$ 262,669.48	3.0483%	
E373.20-St. Lightng & Signl Sys	29,637,523.68	(18,672,782.73)	(25,191,895.13)	36,156,636.08	20 2/3	L0-36	(85.0000%)	26 5/12	\$ 1,368,690.48	4.6181%	
Electric Distribution	5,889,010,847.41	(2,620,531,946.71)	(4,170,908,733.05)	7,439,387,633.75	14 1/6	47 1/12	(70.8253%)	35 2/3	225,286,645.32	3.8255%	
E390.00-Struct. and Improv.	33,480,595.20	(24,194,901.71)	(3,348,059.52)	12,633,753.01	17 5/6	S4-34	(10.0000%)	17	\$ 743,168.77	2.2197%	
E392.20-Transprt Eq-Trailr	58,145.67	(13,543.99)	-	44,601.68	9 2/3	L5-27	-	17 1/3	\$ 2,573.18	4.4254%	
E393.10-Stores Equip.-Other	8,545.97	(8,329.30)	-	216.67	25 5/6	S5-25	-	2 1/6	\$ 100.00	1.1701%	
E394.11-Portable Tools-Other	25,617,106.25	(8,636,338.81)	-	16,980,767.44	9 1/4	S6-27	-	17 3/4	\$ 956,670.83	3.7945%	
E394.20-Shop Equipment	341,135.67	(253,928.80)	-	87,206.87	18 11/12	L4-26	-	8 7/12	\$ 10,160.04	2.9783%	
E395.10-Laboratory Eq.-Other	5,152,106.01	(469,685.35)	-	4,682,420.66	2 5/12	L3-22	-	19 7/12	\$ 239,104.09	4.6409%	
E397.10-Commun. Equip.-Other	250,043,779.68	(95,357,441.33)	(125,021,889.84)	279,708,228.19	9 1/6	R2-30	(50.0000%)	22 7/12	\$ 12,385,668.58	4.9534%	
E397.20-Commun. Equip.-SWPL	6,968,665.21	(5,634,839.87)	(3,484,332.61)	4,818,157.95	21 1/6	R2-30	(50.0000%)	14 5/12	\$ 334,203.25	4.7958%	
E397.60-Commun. Equip.-SRPL	14,034,984.36	(2,497,040.35)	-	11,537,945.99	4 1/2	R2-30	-	26	\$ 443,772.23	3.1619%	

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Figures as of December 31, 2016

Depreciation Account	Accumulated			Future Net		Recoverable	Cost-Weighted	Current Parameters			Annual Accrual		
	Cost	Reserves	Salvage (\$)	Salvage (\$)	Balance			Average Age	Curve / End-of-Life	Future Net Salvage (%)	IRR	Expectancy	Estimate
E397.70-Commun Dev - Telecom	34,543.12	(1,484.56)	(17,271.56)	50,330.12		11/12	R2-30	(50.0000%)	-	29 1/4	\$ 1,720.66	4.9812%	
E398.10-Misc. Equip. - Other	5,799,585.20	(1,002,227.08)	-	4,797,358.12		2 3/4	L4-16	-	-	13 1/4	\$ 362,062.30	6.2429%	
E398.20-Misc. Equip. - EVSE													
Electric General	341,539,194.32	(138,069,761.15)	(131,871,553.53)	335,340,986.70		9 5/6	29 5/6	(38.6110%)	0.0245%	31 5/12	\$ 15,479,203.93	4.5322%	
ELECTRIC TANGIBLE PLANT	7,270,168,993.74	(3,154,114,758.31)	(4,349,122,386.94)	8,465,176,622.37		13 1/3	43 1/3	(59.8215%)	0.0070%	32 1/4	\$ 282,691,915.12	3.8884%	
G363.60-LNG Distrib Storg Eq	2,168,803.11	(1,003,568.56)	-	1,165,234.55		9 1/2	S4-20	-	-	11 7/12	\$ 100,595.59	4.6383%	
Gas Storage	2,168,803.11	(1,003,568.56)	-	1,165,234.55		9 1/2	20	-	-	11 7/12	\$ 100,595.59	4.6383%	
G366.00-Struct and Land Imp.	17,454,364.15	(10,013,521.95)	-	7,440,842.20		17 1/4	S3-34	-	-	19 1/12	\$ 389,913.04	2.2339%	
G367.00-Mains	232,934,288.15	(75,357,743.18)	(58,233,572.04)	215,810,117.01		13 2/3	S4-45	(25.0000%)	-	32 1/12	\$ 6,726,443.44	2.8877%	
G368.00-Compressor Stagn Eq	90,195,901.06	(68,614,010.04)	(9,019,590.11)	30,601,481.13		17 1/2	S3-35	(10.0000%)	-	19 1/4	\$ 1,589,702.76	1.7625%	
G369.00-Meas & Reg Stagn Eq	23,104,561.20	(16,696,871.55)	(1,155,228.06)	7,562,917.71		15 2/3	S3-31	(5.0000%)	-	17 1/12	\$ 442,706.50	1.9161%	
G371.00-Other Equipment	117,058.52	(3,900.27)	-	113,158.25		1/2	S0-27	-	-	26 1/2	\$ 4,270.18	3.6479%	
Gas Transmission	363,806,173.08	(170,686,046.99)	(68,408,350.21)	261,528,516.30		14 11/12	41 1/12	(18.8035%)	-	27 1/3	\$ 9,153,035.92	2.5159%	
G375.00-Struct & Imp	43,446.91	(61,253.10)	-	(17,806.19)		49 1/3	S3-44	-	-	7 1/2	\$ -	-	
G376.00-Mains	884,546,207.74	(368,588,303.84)	(486,500,414.26)	1,002,458,318.16		16 1/12	R3-69	(55.0000%)	-	54 1/6	\$ 18,506,475.76	2.0922%	
G378.00-Meas & Reg Stagn Eq	18,055,887.32	(8,040,161.50)	(4,513,971.83)	14,529,697.65		13 1/2	R2-47	(25.0000%)	-	35 3/4	\$ 406,419.97	2.2509%	
G380.00-Services	267,051,852.85	(296,360,474.14)	(186,936,297.00)	157,627,675.71		25 5/12	R2-5-65	(70.0000%)	-	42 11/12	\$ 3,672,764.13	1.3753%	
G381.00-Meters & Regulators	83,507,614.27	(30,539,837.13)	-	52,967,777.14		16 5/6	L1-5-41	-	-	28 11/12	\$ 1,831,739.52	2.1935%	
G381.01-Meters-Regs-Modules	74,080,213.05	(24,154,038.16)	-	49,926,174.89		5 1/2	S0-15	-	-	9 1/2	\$ 5,255,398.47	7.0942%	
G382.00-Meter & Reg Instlns	70,465,457.05	(28,418,413.65)	(21,139,637.12)	63,186,680.52		14 3/4	L2-35	(30.0000%)	-	23 5/12	\$ 2,698,333.75	3.8293%	
G382.01-Mtr-Reg-Mod Install	25,316,035.28	(10,895,674.64)	-	14,420,360.64		6 5/12	S0-15	-	-	8 7/12	\$ 1,680,048.05	6.6363%	
G385.00-Ind Meas & Reg St Eq	1,516,810.70	(1,200,157.19)	-	316,653.51		18 1/3	S6-28	-	-	10 1/6	\$ 31,146.19	2.0534%	
G387.11-Other Equipment	993,722.26	(798,830.72)	-	194,891.54		11	L0-16	-	-	11	\$ 17,117.07	1.7829%	
G387.12-Other EQ-CNG Deprac	3,571,352.92	(3,498,628.86)	-	72,724.06		19 1/2	L0-16	-	-	8 1/4	\$ 8,814.10	0.2468%	
G392.20-Transprt Eq-Trailer	74,500.55	(74,500.68)	-	(0.13)		19 11/12	R5-21	-	-	2 2/3	\$ -	-	
G394.10-Portable Tools	10,072,198.03	(4,057,883.96)	-	6,014,314.07		10 1/12	L5-24	-	-	14 1/4	\$ 422,055.31	4.1903%	
G394.20-Shop Equipment	76,864.06	(51,845.17)	-	25,018.89		19 1/2	R1-5-24	-	-	10 1/12	\$ 2,481.17	3.2280%	
G395.00-Laboratory Equipment	283,093.66	(275,185.28)	-	7,908.38		19 5/12	L1-19	-	-	8 3/4	\$ 903.92	0.3193%	
G396.00-Power Operated Eq.	16,162.40	(8,026.95)	-	8,135.45		17 1/2	S6-20	-	-	2 2/3	\$ 3,050.78	18.8758%	
G397.00-Communication Equip.	2,704,868.34	(1,084,893.49)	-	1,619,974.85		6 2/3	S6-15	-	-	8 7/12	\$ 188,734.89	6.9776%	
G398.00-Misc. Equipment	473,380.31	(72,038.18)	-	401,342.13		4 1/3	R2-5-19	-	-	15 1/6	\$ 26,461.96	5.5900%	
Gas Distribution & General	1,442,849,667.70	(778,180,146.64)	(699,090,320.21)	1,363,759,841.27		17	60 1/3	(48.4521%)	-	45 1/4	\$ 34,752,545.04	2.4086%	
GAS TANGIBLE PLANT	1,808,824,643.89	(949,869,762.19)	(767,498,710.42)	1,626,453,592.12		16 7/12	56 5/12	(42.4308%)	-	41 7/12	\$ 44,006,176.55	2.4329%	
TANGIBLE PLANT	\$ 9,705,872,793.41	\$ (4,375,861,860.20)	\$ (5,168,662,001.43)	\$ 10,498,672,934.64		13 1/2	44 1/3	(53.2529%)	0.0143%	32 11/12	\$ 367,113,192.46	3.7824%	

1 **II. COMPARISON OF CURRENT AND PROPOSED DEPRECIATION**
2 **PARAMETERS**

3 This workpaper section summarizes the depreciation rate change from current to proposed
4 for San Diego Gas & Electric Company (SDG&E) based on balances as of December 31, 2016.

5
6 Comparison of Current and Proposed Depreciation ParametersMCV-WP-10

7

SAN DIEGO GAS & ELECTRIC COMPANY
Comparison of Current and Proposed Depreciation Parameters
Figures as of December 31, 2016

Depreciation Account (A)	Current Depreciation Parameters				Proposed Depreciation Parameters				Proposed Change			
	Curve-ASL [†] (B)	FNS% (C)	Expectancy [†] (D)	Rate [†] (E)	Curve-ASL [†] (D)	FNS% (E)	Expectancy [†] (H)	Rate [†] (I)	ASL [†] (D) - (B)	FNS% (E) - (C)	Expectancy [†] (H) - (D)	Rate [†] (I) - (E)
(1) C391.20-Offc Furn & Eq-Cmptr	S6-5	-	1 7/12	24.4661%	SQ-5	-	1 1/2	25.8254%	-	-	(1/12)	1.3593%
(2) Common IT Hardware		-	1 7/12	24.4661%		-	1 1/2	25.8254%		-	(1/12)	1.3593%
(4) C390.10-Struct & Imprv-Other	S1-30	(15.00%)	21 3/4	3.3232%	R0.5-41.11/12	(10.00%)	36 5/12	1.8476%	11 11/12	5.00%	14 2/3	(1.4756%)
(5) C391.10-Offc Furn & Eq-Other	S6-18	-	9 1/6	5.8299%	SQ-18	3.73%	9 1/12	5.4727%	-	3.73%	(1/12)	(0.3572%)
(6) C392.10 - Trans Eq - Autos	SQ-10	-	8 7/12	20.0368%	S3-3 1/2	-	2 7/12	66.5738%	(6 1/2)	-	(6)	46.5370%
(7) C392.20-Transprtn Eq-Trailer	L0-20	-	10 1/4	5.7002%	SQ-23	-	-	-	3	-	(10 1/4)	(5.7002%)
(8) C392.30-Transprtn Eq-Aviation	-	-	-	-	SQ-6	71.00%	-	-	6	71.00%	-	-
(9) C393.10-Stores Equip-Other	L0-19	-	11 1/6	2.0267%	SQ-23	-	4 1/4	5.3250%	4	-	(6 11/12)	3.2983%
(10) C394.11-Portable Tools-Other	R2.5-23	-	16 1/3	4.2967%	SQ-23	-	15 7/12	4.5035%	-	-	(3/4)	0.2068%
(11) C394.21-Shop Equip - Other	L1.5-35	-	19 1/3	1.8838%	SQ-29	-	7 1/12	5.1416%	(6)	-	(12 1/4)	3.2578%
(12) C394.31-Garage Equip -Other	R3-19	-	12 1/3	6.9718%	SQ-21	-	13 1/2	6.3693%	2	-	1 1/6	(0.6025%)
(13) C395.10-Laboratory Eq -Other	R5-25	-	12 1/6	4.3637%	SQ-26	-	12 3/4	4.1640%	1	-	7/12	(0.1997%)
(14) C397.10-Commun Equip -Other	S6-13	-	7 11/12	7.5626%	SQ-13	-	7 11/12	7.5626%	-	-	-	-
(15) C398.10-Misc Equip - Other	R0.5-13	10.00%	10 1/6	6.9948%	SQ-14	1.00%	9 1/12	8.8198%	1	(9.00%)	(1 1/12)	1.8250%
(16) Common Non-IT		(9.02%)	16 5/12	4.8887%		(5.83%)	25 1/4	4.0174%		3.19%	8 5/6	(0.8713%)
(17) COMMON TANGIBLE PLANT		(8.30%)	15 1/4	6.4470%		(5.37%)	23 1/3	5.7532%		2.94%	8 1/12	(0.6938%)
(19) E341.00-Struct and Improv -CPEP	mid-2027	(1.00%)	10 1/2	7.4406%	mid-2027	(20.08%)	10 1/2	9.2582%	-	(19.08%)	-	1.8176%
(20) E342.00-Fuel Holders P&A -CPEP	mid-2027	(2.00%)	10 1/2	7.0544%	mid-2027	(5.78%)	10 1/2	7.4141%	-	(3.78%)	-	0.3597%
(21) E343.00-Prime Movers-CPEP	mid-2027	-	10 1/2	6.7659%	mid-2027	-	10 1/2	6.7659%	-	-	-	-
(22) E344.00-Generators-CPEP	mid-2027	(0.50%)	10 1/2	7.1688%	mid-2027	(10.45%)	10 1/2	8.1159%	-	(9.95%)	-	0.9471%
(23) E345.00-Access Elect Eq -CPEP	mid-2027	(2.00%)	10 1/2	7.0794%	mid-2027	(16.65%)	10 1/2	8.4751%	-	(14.65%)	-	1.3957%
(24) E346.00-Misc Power Plnt Eq -CPEP	mid-2027	-	10 1/2	6.9770%	mid-2027	-	10 1/2	6.9770%	-	-	-	-
(25) Cuyamaca Peak Energy Plant		(0.36%)	10 1/2	6.9310%		(4.72%)	10 1/2	7.3466%		(4.36%)	-	0.4156%
(27) E311.00-Struct and Improv -DSEC	mid-2029	(6.00%)	12 1/2	4.0980%	mid-2026	(12.70%)	9 1/3	6.2066%	(3 1/6)	(6.70%)	(3 1/6)	2.1086%
(28) E312.00-Boiler Plant Equip-DSEC	mid-2029	(6.00%)	12 1/2	4.4993%	mid-2026	(5.12%)	9 1/3	5.9317%	(3 1/6)	0.88%	(3 1/6)	1.4324%
(29) E314.00-Turbogenerator Unit-DSEC	mid-2029	(6.00%)	12 1/2	5.2878%	mid-2026	(12.60%)	9 1/3	7.7886%	(3 1/6)	(6.60%)	(3 1/6)	2.5008%
(30) E315.00-Access Elect Eq -DSEC	mid-2029	(6.00%)	12 1/2	4.8451%	mid-2026	(0.10%)	9 1/3	5.8566%	(3 1/6)	5.90%	(3 1/6)	1.0115%
(31) E316.00-Misc Power Plnt Eq -DSEC	mid-2029	(6.00%)	12 1/2	5.571%	mid-2026	(0.84%)	9 1/3	6.8898%	(3 1/6)	5.16%	(3 1/6)	1.3327%
(32) E341.00-Struct and Improv -DSEC	mid-2029	(6.00%)	12 1/2	5.2092%	mid-2026	(36.89%)	9 1/3	10.2865%	(3 1/6)	(30.89%)	(3 1/6)	5.0773%
(33) E342.00-Fuel Holders P&A -DSEC	mid-2029	(6.00%)	12 1/2	4.1976%	mid-2026	(29.00%)	9 1/3	8.0861%	(3 1/6)	(23.00%)	(3 1/6)	3.8885%
(34) E343.00-Prime Movers-DSEC	mid-2029	(6.00%)	12 1/2	4.6703%	mid-2026	-	9 1/3	5.6120%	(3 1/6)	6.00%	(3 1/6)	0.9417%
(35) E344.00-Generators-DSEC	mid-2029	(6.00%)	12 1/2	4.1053%	mid-2026	(0.50%)	9 1/3	4.9088%	(3 1/6)	5.50%	(3 1/6)	0.8035%
(36) E345.00-Access Elect Eq -DSEC	mid-2029	(7.00%)	12 1/2	4.4554%	mid-2026	5.65%	9 1/3	4.6118%	(3 1/6)	12.65%	(3 1/6)	0.1564%
(37) E346.00-Misc Power Plnt Eq -DSEC	mid-2029	(6.00%)	12 1/2	4.0128%	mid-2026	-	9 1/3	4.7315%	(3 1/6)	6.00%	(3 1/6)	0.7187%
(38) Desert Star Energy Center		(6.03%)	12 1/2	4.4094%		(2.90%)	9 1/3	5.5699%		3.13%	(3 1/6)	1.1605%
(40) E341.00-Struct and Improv -Miramar	mid-2032	(1.00%)	15 1/2	4.4304%	mid-2032	(7.80%)	15 1/2	4.8691%	-	(6.80%)	-	0.4387%
(41) E342.00-Fuel Holders P&A -Miramar	mid-2032	(2.00%)	15 1/2	4.4620%	mid-2032	(3.36%)	15 1/2	4.5500%	-	(1.36%)	-	0.0880%

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Depreciation Account	Current Depreciation Parameters				Proposed Depreciation Parameters				Proposed Change			
	Curve-ASL ¹ (B)	FNS% (C)	Expectancy ² (D)	Rate ³ (E)	Curve-ASL ¹ (D)	FNS% (E)	Expectancy ² (H)	Rate ³ (I)	ASL ¹ (D) - (B)	FNS% (E) - (C)	Expectancy ² (H) - (D)	Rate ³ (I) - (E)
(42) E343.00-Prime Movers-Miramar	mid-2032	-	15 1/2	4.0630%	mid-2032	-	15 1/2	4.0630%	-	-	-	-
(43) E344.00-Generators-Miramar	mid-2032	(0.50%)	15 1/2	4.8311%	mid-2032	(3.01%)	15 1/2	4.9929%	-	(2.51%)	-	0.1618%
(44) E345.00-Access Elect Eq -Miramar	mid-2032	(2.00%)	15 1/2	4.3305%	mid-2032	(1.24%)	15 1/2	4.2817%	-	0.76%	-	(0.0488%)
(45) E346.00-Misc Power Pint Eq -Miramar	mid-2032	-	15 1/2	5.3078%	mid-2032	-	15 1/2	5.3078%	-	-	-	-
(46) Miramar Energy Facility		(0.52%)	15 1/2	4.3290%		(1.33%)	15 1/2	4.3812%		(0.81%)		0.0522%
(48) E311.00-Struct and Improv -Palomar	mid-2036	(18.00%)	19 1/2	4.3696%	mid-2036	(3.23%)	19 1/2	3.6120%	-	14.77%	-	(0.7576%)
(49) E312.00-Boiler Plant Equip -Palomar	mid-2036	(10.00%)	19 1/2	3.6746%	mid-2036	(3.24%)	19 1/2	3.3277%	-	6.76%	-	(0.3469%)
(50) E314.00-Turbogenerator Unit-Palomar	mid-2036	(2.00%)	19 1/2	3.6288%	mid-2036	(1.98%)	19 1/2	3.6276%	-	0.02%	-	(0.0012%)
(51) E315.00-Access Elect Eq -Palomar	mid-2036	(2.00%)	19 1/2	3.4860%	mid-2036	(0.45%)	19 1/2	3.4064%	-	1.55%	-	(0.0796%)
(52) E316.00-Misc Power Pint Eq-Palomar	mid-2036	(3.00%)	19 1/2	4.1754%	mid-2036	(0.36%)	19 1/2	4.0398%	-	2.64%	-	(0.1356%)
(53) E341.00-Struct and Improv -Palomar	mid-2036	(1.00%)	19 1/2	3.5627%	mid-2036	(4.62%)	19 1/2	3.7482%	-	(3.62%)	-	0.1855%
(54) E342.00-Fuel Holders P & A-Palomar	mid-2036	(2.00%)	19 1/2	3.7245%	mid-2036	(2.04%)	19 1/2	3.7263%	-	(0.04%)	-	0.0018%
(55) E343.00-Prime Movers-Palomar	mid-2036	-	-	-	mid-2036	-	-	-	-	-	-	-
(56) E344.00-Generators-Palomar	mid-2036	(0.50%)	19	3.4680%	mid-2036	(0.85%)	19 1/2	3.3970%	-	(0.35%)	1/2	(0.0710%)
(57) E345.00-Access Elect Eq-Palomar	mid-2036	(2.00%)	19 1/2	3.5804%	mid-2036	4.30%	19 1/2	3.2571%	-	6.30%	-	(0.3233%)
(58) E346.00-Misc Power Pint Eq -Palomar	mid-2036	-	19 1/2	4.5159%	mid-2036	-	19 1/2	4.5159%	-	-	-	-
(59) Palomar Energy Center		(4.75%)	19 1/3	3.6968%		(1.77%)	19 1/2	3.5173%		2.98%	1/6	(0.1795%)
(61) E341.10 - Struct & Imprv - Solar	SQ-25	-	-	-	L3-25	(15.00%)	-	-	-	(15.00%)	-	-
(62) E342.10 - Fuel Holders - Solar	SQ-25	-	-	-	L3-25	(15.00%)	-	-	(7)	(15.00%)	-	-
(63) E343.10 - Prime Movers Solar	SQ-25	-	-	-	L3-25	(15.00%)	-	-	-	(15.00%)	-	-
(64) E344.10-Generators - Solar	SQ-25	-	19 1/4	3.9747%	L3-25	(15.00%)	19 1/3	4.7334%	-	(15.00%)	1/2	0.7587%
(65) E345.10-Access Elect Eq -Solar	SQ-25	-	16 7/12	3.9556%	L3-25	(15.00%)	16 3/4	4.8117%	-	(15.00%)	1/6	0.8561%
(66) E346.10 - Misc Eq - Solar	SQ-25	-	-	-	L3-25	(15.00%)	-	-	-	(15.00%)	-	-
(67) Solar Energy Projects		-	19 1/12	3.9737%		(15.00%)	19 1/6	4.7375%		(15.00%)	1/12	0.7638%
(69) E341.20 - Struct & Imprv - Wind	SQ-20	-	-	-	S5-13	(15.00%)	-	-	(7)	(15.00%)	-	-
(70) E342.20 - Fuel Holders - Wind	SQ-20	-	-	-	S5-13	(15.00%)	-	-	(7)	(15.00%)	-	-
(71) E343.20 - Prime Movers Wind	SQ-20	-	-	-	S5-13	(15.00%)	-	-	(7)	(15.00%)	-	-
(72) E344.20 - Generators - Wind	SQ-20	-	16 1/2	5.0322%	S5-13	(15.00%)	9 1/2	10.3190%	(7)	(15.00%)	(7)	5.2868%
(73) E345.20-Access Elect Eq -Wind	SQ-20	-	-	-	S5-13	(15.00%)	-	-	(7)	(15.00%)	-	-
(74) E346.20 - Misc Eq - Wind	SQ-20	-	-	-	S5-13	(15.00%)	-	-	(7)	(15.00%)	-	-
(75) Wind Energy Projects		-	16 1/2	5.0322%		(15.00%)	9 1/2	10.3190%		(15.00%)	(7)	5.2868%
(77) Steam Production		(6.77%)	17 1/2	4.0495%		(3.19%)	16 7/12	4.3120%		3.58%	(11/12)	0.2625%
(78) Other Production		(2.26%)	16 1/12	4.0170%		(2.19%)	15 1/4	4.3426%		0.07%	(5/6)	0.3256%
(79) Electric Production		(4.46%)	16 3/4	4.0328%		(2.68%)	15 11/12	4.3277%		1.78%	(5/6)	0.2949%
(81) E361.00-Struct. and Improv.	R2.5-63	(125.00%)	48 1/4	3.8610%	S0-62 5/12	(145.00%)	49 11/12	4.1327%	(7/12)	(20.00%)	1 2/3	0.2717%
(82) E362.10-Station Equip.-Other	R1.5-51	(125.00%)	40 1/3	4.7504%	R1.5-53 1/2	(145.00%)	42 3/4	4.9498%	2 1/2	(20.00%)	2 5/12	0.1994%
(83) E363.00-Batteries - Storage	SQ-10	-	8	10.3117%	SQ-10	(15.00%)	8	12.1867%	-	(15.00%)	-	1.8750%
(84) E364.00-Poles, Towers & Fxtr	R0.5-47	(100.00%)	39	4.1127%	R0.5-48 2/3	(100.00%)	40 2/3	3.9441%	1 2/3	-	1 2/3	(0.1686%)
(85) E365.00-Overhead Cond & Dev	R0.5-55	(70.00%)	47 1/2	2.8836%	R1-59 1/12	(70.00%)	50 1/3	2.7212%	4 1/12	-	2 5/6	(0.1624%)
(86) E366.00-Underground Conduit	R3-57	(50.00%)	42 1/6	2.6253%	R3-59 2/3	(75.00%)	44 3/4	3.0324%	2 2/3	(25.00%)	2 7/12	0.4071%

Depreciation Account (A)	Current Depreciation Parameters				Proposed Depreciation Parameters				Proposed Change			
	Curve-ASL ¹ (B)	FNS% (C)	Expectancy ⁷ (D)	Rate ⁸ (E)	Curve-ASL ¹ (D)	FNS% (E)	Expectancy ⁷ (H)	Rate ⁸ (I)	ASL ¹ (D) - (B)	FNS% (E) - (C)	Expectancy ⁷ (H) - (D)	Rate ⁸ (I) - (E)
(87) E367.00-Undergrmd Cond & Dev	R3-45	(65.00%)	31 1/12	3.3841%	R3-49	(90.00%)	34 11/12	3.7285%	4	(25.00%)	3 5/6	0.3444%
(88) E368.10-Line Transformers	L0.5-34	(70.00%)	26 7/12	5.5189%	L0.5-34 1/3	(95.00%)	26 11/12	6.3793%	1/3	(25.00%)	1/3	0.8604%
(89) E368.20-Capacitors	R0-12	(70.00%)	9 1/6	17.5764%	O2-12 1/4	(95.00%)	9 5/6	18.9271%	1/4	(25.00%)	2/3	1.3507%
(90) E369.10-Services Overhead	R0.5-55	(110.00%)	45 1/3	2.8235%	S-5-58 7/12	(137.50%)	48 7/12	3.2006%	3 7/12	(27.50%)	3 1/4	0.3771%
(91) E369.20-Services Underground	L4-53	(75.00%)	35 1/4	2.9630%	L4-55 1/6	(100.00%)	37 5/12	4.3496%	2 1/6	(25.00%)	2 1/6	0.4966%
(92) E370.10-Meters	R0.5-48	-	44 1/12	2.0117%	O2-19 5/12	-	16 2/3	5.3210%	(28 7/12)	-	(27 5/12)	3.3093%
(93) E370.11-Meters - Electronic	SQ-15	-	8 5/6	6.7139%	R5-15	-	8 5/6	6.7139%	-	-	-	-
(94) E370.20-Meter Installations	R0.5-48	-	46	2.0414%	O2-19 5/12	-	17 11/12	5.2412%	(28 7/12)	-	(28 1/12)	3.1998%
(95) E370.21-Meter Instllns-Elctr	SQ-15	-	9 1/12	6.6564%	R0.5-50 1/6	-	46 1/2	1.3003%	35 1/6	-	37 5/12	(5.3561%)
(96) E371.00-Instllns-Cust Prem	R0.5-34	(90.00%)	22 11/12	3.0483%	O1-40	(106.25%)	30 5/12	2.8309%	6	(16.25%)	7 1/2	(0.2174%)
(97) E373.20-St. Lghtg & Sgnl Sys	L0-36	(85.00%)	26 5/12	4.6181%	O1-40	(110.00%)	29 2/3	4.9549%	4	(25.00%)	3 1/4	0.3368%
(98) Electric Distribution		(70.83%)	35 2/3	3.8255%		(88.88%)	38 1/3	4.0803%		(18.05%)	2 2/3	0.2548%
(100) E390.00-Struct. and Improv.	S4-34	(10.00%)	17	2.2197%	R2.5-51	(10.00%)	35 5/12	1.0654%	17	-	18 5/12	(1.1543%)
(101) E392.20-Transprtn Eq-Trailer	L5-27	-	17 1/3	4.4254%	SQ-27	-	17 1/3	4.4254%	-	-	-	-
(102) E393.10-Stores Equip.-Other	S5-25	-	2 1/6	1.1701%	SQ-26	-	1/2	5.0707%	1	-	(1 2/3)	3.9006%
(103) E394.11-Portable Tools-Other	S6-27	-	17 3/4	3.7345%	SQ-27	-	17 3/4	3.7345%	-	-	-	-
(104) E394.20-Shop Equipment	L4-26	-	8 7/12	2.9783%	SQ-24	-	5 1/6	4.9478%	(2)	-	(3 5/12)	1.9695%
(105) E395.10-Laboratory Eq.-Other	L3-22	-	19 7/12	4.6409%	SQ-20	-	17 7/12	5.1687%	(2)	-	(2)	0.5278%
(106) E397.10-Commun. Equip.-Other	R2-30	(50.00%)	22 7/12	4.9534%	R2.5-34 11/12	(75.00%)	26 11/12	5.0847%	4 11/12	(25.00%)	4 1/3	0.1313%
(107) E397.20-Commun. Equip.-SWPL	R2-30	(50.00%)	14 5/12	4.7958%	R2.5-34 11/12	(75.00%)	17 3/4	5.3037%	4 11/12	(25.00%)	3 1/3	0.5079%
(108) E397.60-Commun. Equip.-SRPL	R2-30	-	26	3.1619%	R2.5-34 11/12	(75.00%)	30 3/4	5.1125%	4 11/12	(75.00%)	4 3/4	1.9506%
(109) E397.70-Commun Dev - Telecom	R2-30	(50.00%)	29 1/4	4.9812%	R2.5-34 11/12	(75.00%)	34 1/12	5.0084%	4 11/12	(25.00%)	4 5/6	0.0272%
(110) E398.10-Misc. Equip. - Other	L4-16	-	13 1/4	6.2429%	SQ-14 7/12	-	11 5/6	6.9903%	(1 5/12)	-	(1 5/12)	0.7474%
(111) E398.20-Misc. Equip. - EVSE	-	-	-	-	SQ-5	(10.00%)	-	-	5	(10.00%)	-	-
(112) Electric General		(88.61%)	21 5/12	4.5322%		(60.51%)	26 7/12	4.6284%		(21.90%)	5 1/6	0.0962%
(113) ELECTRIC TANGIBLE PLANT		(59.82%)	32 1/4	3.8884%		(75.22%)	34 7/12	4.1414%		(15.40%)	2 1/3	0.2530%
(115) G363.60-LNG Distrib Storg Eq	S4-20	-	11 7/12	4.6383%	S4-20	-	11 7/12	4.6383%	-	-	-	-
(116) Gas Storage		-	11 7/12	4.6383%		-	11 7/12	4.6383%		-	-	-
(118) G366.00-Struct and Land Imp.	S3-34	-	19 1/12	2.2339%	R2-53	(25.00%)	38 5/6	1.7416%	19	(25.00%)	19 3/4	(0.4923%)
(119) G367.00-Mains	S4-45	(25.00%)	32 1/12	2.8877%	R3-64	(50.00%)	51 1/4	2.2956%	19	(25.00%)	19 1/6	(0.5921%)
(120) G368.00-Compressor Statn Eq	S3-35	(10.00%)	19 1/4	1.7625%	R3-55	(15.00%)	38 5/6	1.0025%	20	(5.00%)	19 7/12	(0.7600%)
(121) G369.00-Meas & Reg Statn Eq	S3-31	(5.00%)	17 1/12	1.9161%	R2.5-51	(10.00%)	37 1/6	1.0153%	20	(5.00%)	20 1/12	(0.9008%)
(122) G371.00-Other Equipment	SQ-27	-	26 1/2	3.6479%	L0.5-23	(10.00%)	22 7/12	4.7233%	(4)	(10.00%)	(3 11/12)	1.0754%
(123) Gas Transmission		(18.80%)	27 1/3	2.5159%		(37.57%)	46 2/3	1.8679%		(18.77%)	19 1/3	(0.6480%)
(125) G375.00-Struct & Imp	S3-44	-	7 1/2	-	S0-44	(15.00%)	15 1/3	-	-	(15.00%)	7 5/6	-
(126) G376.00-Mains	R3-69	(55.00%)	54 1/6	2.0922%	R3-69	(80.00%)	54 1/6	2.5538%	-	(25.00%)	-	0.4616%
(127) G378.00-Meas & Reg Statn Eq	R2-47	(25.00%)	35 3/4	2.2509%	R2-52	(50.00%)	40 2/3	2.5935%	5	(25.00%)	4 11/12	0.3426%
(128) G380.00-Services	R2.5-65	(70.00%)	42 11/12	1.3753%	R2-67	(95.00%)	46	1.8266%	2	(25.00%)	3 1/12	0.4513%
(129) G381.00-Meters & Regulators	L1.5-41	-	28 11/12	2.1955%	L1-40 2/3	-	29 7/12	2.1441%	(1/3)	-	2/3	(0.0494%)
(130) G381.01-Meters-Regs-Modules	SQ-15	-	9 1/2	7.0942%	R3-15	-	9 5/6	6.8537%	-	-	1/3	(0.2405%)
(131) G382.00-Meter & Reg Instllns	L2-35	(30.00%)	23 5/12	3.8293%	L2-35 1/12	(22.50%)	23 1/2	3.4966%	1/12	7.50%	1/12	(0.3327%)

Depreciation Account (A)	Current Depreciation Parameters				Proposed Depreciation Parameters				Proposed Change			
	Curve-ASL [†] (B)	FNS% (C)	Expectancy [‡] (D)	Rate [‡] (E)	Curve-ASL [†] (D)	FNS% (E)	Expectancy [‡] (H)	Rate [‡] (I)	ASL [†] (D) - (B)	FNS% (E) - (C)	Expectancy [‡] (H) - (D)	Rate [‡] (I) - (E)
(132) G382.01-Mtr-Reg-Mod Install	SQ-15	-	8 7/12	6.6363%	R3-15	-	9	6.3290%	-	-	5/12	(0.3073%)
(133) G385.00-Ind Meas & Reg St Eq	S6-28	-	10 1/6	2.0534%	S6-35	-	16 5/6	1.2402%	7	-	6 2/3	(0.8132%)
(134) G387.11-Other Equipment	L0-16	-	11	1.7829%	O1-33 11/12	-	28 5/12	0.6902%	17 11/12	-	17 5/12	(1.0927%)
(135) G387.12-Other EQ -CNG Deprec	L0-16	-	8 1/4	0.2468%	R2-25	-	10 1/12	0.2019%	9	-	1 5/6	(0.0449%)
(136) G392.20-Transprt Eq-Trailer	R5-21	-	2 2/3	-	SQ-21	-	1 1/12	-	-	-	(1 7/12)	-
(137) G394.10-Portable Tools	L5-24	-	14 1/4	4.1903%	SQ-23	-	12 11/12	4.6229%	(1)	-	(1 1/3)	0.4326%
(138) G394.20-Shop Equipment	R1.5-24	-	10 1/12	3.2280%	SQ-23	-	3 7/12	9.0836%	(1)	-	(6 1/2)	5.8556%
(139) G395.00-Laboratory Equipment	L1-19	-	8 3/4	0.3193%	SQ-18	-	-	-	(1)	-	(8 3/4)	(0.3193%)
(140) G396.00-Power Operated Eq.	S6-20	-	2 2/3	18.8758%	SQ-20	-	2 1/2	20.1343%	-	-	(1/6)	1.2585%
(141) G397.00-Communication Equip.	S6-15	-	8 7/12	6.9776%	SQ-15	-	8 1/2	7.0460%	-	-	(1/12)	0.0684%
(142) G398.00-Misc. Equipment	R2.5-19	-	15 1/6	5.9000%	SQ-19	-	14 2/3	5.7806%	-	-	(1/2)	0.1906%
(143) Gas Distribution & General		(48.45%)	45 1/4	2.4086%		(68.35%)	45 11/12	2.7443%		(19.90%)	2/3	0.3357%
(144) GAS TANGIBLE PLANT		(42.43%)	41 7/12	2.4329%		(62.08%)	46	2.5703%		(19.65%)	4 5/12	0.1374%
(145) TANGIBLE PLANT		(53.25%)	32 11/12	3.7824%		(68.26%)	36	3.9527%		(15.00%)	3 1/12	0.1703%

† Curve-ASL is shown as the expected decommissioning date for end-of-life plant. While provided, ASL changes should not be viewed absent curve-type changes, as the two are interrelated.
‡ Expectancy and Rate are calculated based on Year-End 2016 (Base Year) plant balances and age dispersion. These figures will be refreshed in accordance with SDG&E accounting practices for the purpose of posting annual depreciation expense general-ledger entries.

1 **III. OBSERVED-LIFE REPORT**

2 This workpaper section provides the observed-life tables (OLT) utilized for the SDG&E
3 depreciation study. These tables show the experienced survivors and actual retirements that
4 occurred over each age period.

5
6 Observed-Life Report – Common MCV-WP-15
7 Observed-Life Report – Electric MCV-WP-38
8 Observed-Life Report – Gas MCV-WP-148
9

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: C303.00-Misc Intangible Plant (SL)
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$445,298,479.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	0
0.5	\$429,965,457.83	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1
1.5	\$389,060,383.11	\$2,372,625.97	0.006098	0.993902	1.000000	1.000000	0.000000	2
2.5	\$334,879,499.96	\$0.00	0.000000	1.000000	0.987840	0.993902	0.006098	3
3.5	\$326,883,655.12	\$16.91	0.000000	1.000000	1.000000	1.000000	0.000000	3.9878404:
4.5	\$299,023,662.80	\$8,170,387.76	0.027324	0.972676	1.000000	1.000000	0.000000	4.9878404:
5.5	\$262,839,912.62	\$20,589,148.44	0.078333	0.921667	0.946099	0.972676	0.027324	5.9878403:
6.5	\$206,513,358.71	\$16,115,172.17	0.078035	0.921965	0.849469	0.921667	0.078333	6.9339398:
7.5	\$144,638,658.09	\$20,586,149.24	0.142328	0.857672	0.850020	0.921965	0.078035	7.7834091:
8.5	\$122,773,011.63	\$3,775,665.00	0.030753	0.969247	0.735601	0.857672	0.142328	8.6334294:
9.5	\$119,150,398.63	\$32,576,886.45	0.273410	0.726590	0.939439	0.969247	0.030753	9.3690305:
10.5	\$86,573,512.18	\$9,323,959.44	0.107700	0.892300	0.527933	0.726590	0.273410	10.308469:
11.5	\$77,249,552.74	\$18,811,934.81	0.243522	0.756478	0.796199	0.892300	0.107700	10.836403:
12.5	\$58,437,617.93	\$11,054,141.46	0.189161	0.810839	0.572260	0.756478	0.243522	11.632602:
13.5	\$47,383,476.47	\$2,626,852.56	0.055438	0.944562	0.657459	0.810839	0.189161	12.204862:
14.5	\$44,756,623.91	\$1,236,301.20	0.027623	0.972377	0.892197	0.944562	0.055438	12.862321:
15.5	\$43,520,322.71	\$1,684,420.91	0.038704	0.961296	0.945518	0.972377	0.027623	13.754518:
16.5	\$41,835,901.80	\$537,452.10	0.012847	0.987153	0.924090	0.961296	0.038704	14.700036:
17.5	\$41,298,449.70	\$1,840,589.45	0.044568	0.955432	0.974472	0.987153	0.012847	15.624125:
18.5	\$8,420,808.48	\$2,241,698.55	0.266209	0.733791	0.912850	0.955432	0.044568	16.598597:
19.5	\$6,179,109.93	\$0.00	0.000000	1.000000	0.538449	0.733791	0.266209	17.511447:
20.5	\$6,179,109.93	\$6,026,057.93	0.975231	0.024769	1.000000	1.000000	0.000000	18.049896:
21.5	\$153,052.00	\$153,052.00	1.000000	0.000000	0.000614	0.024769	0.975231	19.049896:
22.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	19.050509:
23.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	19.050509:
24.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	20.050509:
25.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	21.050509:
26.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	22.050509:
27.5					1.000000	1.000000	0.000000	23.050509:

San Diego Gas & Electric Company
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Observed Life Report

Account: C390.10-Struct & Imprv-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$298,832,323.38	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	24.050509
0.5	\$303,489,730.13	(\$37,594.93)	-0.000124	1.000124	1.000000	1.000000	0.000000	25.050509
1.5	\$265,894,974.05	\$196,480.55	0.000739	0.999261	1.000248	1.000124	-0.000124	26.050509
2.5	\$244,984,502.53	\$520,945.64	0.002126	0.997874	0.998523	0.999261	0.000739	27.050757
3.5	\$209,321,602.69	\$494,305.93	0.002361	0.997639	0.995752	0.997874	0.002126	28.049280
4.5	\$197,915,747.12	\$1,168,455.03	0.005904	0.994096	0.995283	0.997639	0.002361	29.045031
5.5	\$175,927,715.01	\$1,134,995.84	0.006451	0.993549	0.988227	0.994096	0.005904	30.040314
6.5	\$164,732,519.03	\$317,390.84	0.001927	0.998073	0.987139	0.993549	0.006451	31.028541
7.5	\$147,105,962.40	\$901,166.53	0.006126	0.993874	0.996150	0.998073	0.001927	32.015680
8.5	\$129,958,265.70	\$775,459.53	0.005967	0.994033	0.987786	0.993874	0.006126	33.011830
9.5	\$131,037,338.66	\$8,857,890.04	0.067598	0.932402	0.988102	0.994033	0.005967	33.999616
10.5	\$108,124,889.19	\$612,833.06	0.005668	0.994332	0.869373	0.932402	0.067598	34.987717
11.5	\$106,100,231.72	\$997,471.43	0.009401	0.990599	0.988696	0.994332	0.005668	35.857090
12.5	\$82,685,467.42	\$412,016.18	0.004983	0.995017	0.981286	0.990599	0.009401	36.845787
13.5	\$68,167,199.98	\$1,115,335.74	0.016362	0.983638	0.990059	0.995017	0.004983	37.827073
14.5	\$62,596,454.11	\$1,642,996.59	0.026247	0.973753	0.967544	0.983638	0.016362	38.817132
15.5	\$55,973,735.17	\$170,991.49	0.003055	0.996945	0.948194	0.973753	0.026247	39.784676
16.5	\$56,190,059.80	\$1,688,430.02	0.030049	0.969951	0.993900	0.996945	0.003055	40.732870
17.5	\$51,583,539.85	\$1,070,655.52	0.020756	0.979244	0.940806	0.969951	0.030049	41.726770
18.5	\$33,826,578.85	\$68,874.03	0.002036	0.997964	0.958919	0.979244	0.020756	42.667575
19.5	\$28,446,595.85	\$968,621.26	0.034051	0.965949	0.995932	0.997964	0.002036	43.626495
20.5	\$25,727,498.09	\$298,904.69	0.011618	0.988382	0.933058	0.965949	0.034051	44.622427
21.5	\$21,746,218.33	\$294,715.85	0.013553	0.986447	0.976899	0.988382	0.011618	45.555485
22.5	\$19,564,778.16	\$101,533.50	0.005190	0.994810	0.973079	0.986447	0.013553	46.532384
23.5	\$18,093,524.38	\$63,725.99	0.003522	0.996478	0.989648	0.994810	0.005190	47.505463
24.5	\$17,461,638.83	\$242,242.45	0.013873	0.986127	0.992968	0.996478	0.003522	48.495110
25.5	\$7,887,443.43	\$237,194.96	0.030072	0.969928	0.972447	0.986127	0.013873	49.488079
26.5	\$6,867,969.36	\$157,511.25	0.022934	0.977066	0.940759	0.969928	0.030072	50.460525
27.5	\$6,157,967.24	\$172,042.15	0.027938	0.972062	0.954658	0.977066	0.022934	51.401285
28.5	\$5,148,654.73	\$20,349.17	0.003952	0.996048	0.944904	0.972062	0.027938	52.355942
29.5	\$4,998,718.36	\$63,452.10	0.012694	0.987306	0.992111	0.996048	0.003952	53.300847
30.5	\$3,668,270.66	\$133,431.32	0.036374	0.963626	0.974774	0.987306	0.012694	54.292958
31.5	\$3,490,355.90	\$73,485.77	0.021054	0.978946	0.928574	0.963626	0.036374	55.267731
32.5	\$3,378,438.83	\$57,510.41	0.017023	0.982977	0.958335	0.978946	0.021054	56.196306
33.5	\$3,101,546.81	\$8,435.20	0.002720	0.997280	0.966244	0.982977	0.017023	57.154641
34.5	\$2,175,897.46	\$36,631.89	0.016835	0.983165	0.994568	0.997280	0.002720	58.120885
35.5	\$2,262,559.60	\$9,989.67	0.004415	0.995585	0.966613	0.983165	0.016835	59.115453
36.5	\$2,312,035.61	\$31,581.63	0.013660	0.986340	0.991189	0.995585	0.004415	60.082066
37.5	\$2,573,304.56	\$77,647.81	0.030174	0.969826	0.972867	0.986340	0.013660	61.073255
38.5	\$2,837,699.48	\$62,658.04	0.022081	0.977919	0.940562	0.969826	0.030174	62.046122
39.5	\$2,799,305.05	\$72,261.82	0.025814	0.974186	0.956326	0.977919	0.022081	62.986684
40.5	\$2,692,541.44	\$13,111.91	0.004870	0.995130	0.949038	0.974186	0.025814	63.943011
41.5	\$2,637,373.26	\$95,691.88	0.036283	0.963717	0.990284	0.995130	0.004870	64.892049
42.5	\$2,358,228.75	\$72,939.12	0.030930	0.969070	0.928750	0.963717	0.036283	65.882333
43.5	\$2,080,912.14	\$38,473.77	0.018489	0.981511	0.939097	0.969070	0.030930	66.811083
44.5	\$2,520,929.47	\$41,584.55	0.016496	0.983504	0.963364	0.981511	0.018489	67.750181
45.5	\$2,312,430.80	\$31,099.06	0.013449	0.986551	0.967281	0.983504	0.016496	68.713545
46.5	\$1,726,597.16	\$104,677.65	0.060627	0.939373	0.973284	0.986551	0.013449	69.680825
47.5	\$1,637,037.32	\$6,243.40	0.003814	0.996186	0.882422	0.939373	0.060627	70.654109
48.5	\$1,630,268.66	\$63,867.39	0.039176	0.960824	0.992387	0.996186	0.003814	71.536531
49.5	\$1,576,117.69	\$23,334.66	0.014805	0.985195	0.923183	0.960824	0.039176	72.528918
50.5	\$1,548,720.88	\$11,052.90	0.007137	0.992863	0.970609	0.985195	0.014805	73.452101
51.5	\$1,539,421.90	\$23,616.07	0.015341	0.984659	0.985777	0.992863	0.007137	74.422710
52.5	\$1,500,321.23	\$223,756.96	0.149139	0.850861	0.969554	0.984659	0.015341	75.408487

San Diego Gas & Electric Company
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Observed Life Report

Account: C390.10-Struct & Imprv-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
53.5	\$1,160,312.08	\$82,675.06	0.071252	0.928748	0.723964
54.5	\$1,019,515.18	\$8,351.05	0.008191	0.991809	0.862572
55.5	\$753,001.07	\$353.82	0.000470	0.999530	0.983685
56.5	\$416,461.79	\$1,518.18	0.003645	0.996355	0.999060
57.5	\$378,455.40	\$20,283.09	0.053594	0.946406	0.992722
58.5	\$354,616.74	\$67,340.44	0.189896	0.810104	0.895684
59.5	\$290,045.43	\$220.35	0.000760	0.999240	0.656268
60.5	\$336,406.38	\$194.60	0.000578	0.999422	0.810104
61.5	\$336,562.53	\$55,455.30	0.164770	0.835230	0.998843
62.5	\$7,944.06	\$350.75	0.044152	0.955848	0.999422
63.5	\$7,593.31	\$4,421.22	0.582252	0.417748	0.000578
64.5	\$3,172.09	\$0.00	0.000000	1.000000	0.697610
65.5	\$3,172.09	\$0.00	0.000000	1.000000	0.835230
66.5	\$3,172.09	\$0.00	0.000000	1.000000	0.164770
67.5	\$3,172.09	\$0.00	0.000000	1.000000	0.913644
68.5	\$281,710.48	\$0.00	0.000000	1.000000	0.955848
69.5	\$281,710.48	\$278,538.39	0.988740	0.011260	0.044152
70.5	\$3,785.09	\$0.00	0.000000	1.000000	0.913644
71.5	\$12,050.09	\$613.00	0.050871	0.949129	0.955848
72.5	\$11,437.09	\$8,265.00	0.722649	0.277351	0.044152
73.5	\$3,172.09	\$0.00	0.000000	1.000000	0.988740
74.5	\$99,300.09	\$0.00	0.000000	1.000000	0.011260
75.5	\$100,196.44	\$96,128.00	0.959395	0.040605	1.000000
76.5	\$4,068.44	\$896.35	0.220318	0.779682	0.000127
77.5	\$0.00	\$0.00	0.000000	1.000000	0.011260
78.5	\$0.00	\$0.00	0.000000	1.000000	0.988740
79.5	\$0.00	\$0.00	0.000000	1.000000	0.011260
80.5	\$0.00	\$0.00	0.000000	1.000000	0.988740
81.5	\$0.00	\$0.00	0.000000	1.000000	0.011260
82.5	\$0.00	\$0.00	0.000000	1.000000	0.988740
83.5	\$0.00	\$0.00	0.000000	1.000000	0.011260
84.5	\$0.00	\$0.00	0.000000	1.000000	0.988740
85.5	\$0.00	\$0.00	0.000000	1.000000	0.011260
86.5	\$0.00	\$0.00	0.000000	1.000000	0.988740
87.5	\$0.00	\$0.00	0.000000	1.000000	0.011260
88.5	\$0.00	\$0.00	0.000000	1.000000	0.988740
89.5	\$0.00	\$0.00	0.000000	1.000000	0.011260
90.5	\$0.00	\$0.00	0.000000	1.000000	0.988740
91.5	\$0.00	\$0.00	0.000000	1.000000	0.011260
92.5	\$0.00	\$0.00	0.000000	1.000000	0.988740
93.5					0.011260

San Diego Gas & Electric Company
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Observed Life Report

Account: C391.10-Offc Furn & Eq-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$31,222,731.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	111.862531	
0.5	\$32,293,067.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	112.862531	
1.5	\$31,165,297.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	113.862531	
2.5	\$30,549,662.06	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	114.862531	
3.5	\$22,757,926.01	\$150,714.36	0.006622	0.993378	1.000000	1.000000	0.000000	115.862531	
4.5	\$21,876,847.53	\$31,553.34	0.001442	0.998558	0.986799	0.993378	0.006622	116.862531	
5.5	\$26,346,037.76	\$36,371.35	0.001381	0.998619	0.997117	0.998558	0.001442	117.849331	
6.5	\$26,663,947.63	\$14,084.15	0.000528	0.999472	0.997241	0.998619	0.001381	118.846451	
7.5	\$26,287,898.31	\$8,623.67	0.000328	0.999672	0.998944	0.999472	0.000528	119.843691	
8.5	\$24,394,656.37	\$2,602.91	0.000107	0.999893	0.999344	0.999672	0.000328	120.842631	
9.5	\$24,183,031.80	\$784.41	0.000032	0.999968	0.999787	0.999893	0.000107	121.841981	
10.5	\$24,081,914.91	\$5,639.11	0.000234	0.999766	0.999935	0.999968	0.000032	122.841761	
11.5	\$22,468,349.16	\$11,278.22	0.000502	0.999498	0.999532	0.999766	0.000234	123.841701	
12.5	\$22,398,458.98	\$1,382.74	0.000062	0.999938	0.998996	0.999498	0.000502	124.841231	
13.5	\$18,166,841.95	\$21,585.66	0.001188	0.998812	0.999877	0.999938	0.000062	125.840231	
14.5	\$16,926,864.33	\$1,045.82	0.000062	0.999938	0.997625	0.998812	0.001188	126.840101	
15.5	\$14,433,565.26	\$0.00	0.000000	1.000000	0.999876	0.999938	0.000062	127.837731	
16.5	\$14,193,260.11	\$278,295.28	0.019608	0.980392	1.000000	1.000000	0.000000	128.837611	
17.5	\$11,976,283.98	\$9,722,396.56	0.811804	0.188196	0.961169	0.980392	0.019608	129.837611	
18.5	\$587,856.77	\$587,856.77	1.000000	0.000000	0.035418	0.188196	0.811804	130.798771	
19.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	130.834191	
20.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	130.834191	
21.5	\$276.46	\$276.46	1.000000	0.000000	1.000000	1.000000	0.000000	131.834191	
22.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	132.834191	
23.5	\$512.76	\$512.76	1.000000	0.000000	1.000000	1.000000	0.000000	132.834191	
24.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	133.834191	
25.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	133.834191	
26.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	134.834191	
27.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	135.834191	
28.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	136.834191	
29.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	137.834191	
30.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	138.834191	
31.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	139.834191	
32.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	140.834191	
33.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	141.834191	
34.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	142.834191	
35.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	143.834191	
36.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	144.834191	
37.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	145.834191	
38.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	146.834191	
39.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	147.834191	
40.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	148.834191	
41.5					1.000000	1.000000	0.000000	149.834191	

San Diego Gas & Electric Company
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Observed Life Report

Account: C391.20-Offc Furn & Eq-Cmptr
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$152,012,082.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	150.83419	
0.5	\$149,901,570.50	\$14,072.49	0.000094	0.999906	1.000000	1.000000	0.000000	151.83419	
1.5	\$159,467,558.26	\$0.00	0.000000	1.000000	0.999812	0.999906	0.000094	152.83419	
2.5	\$161,382,523.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	153.83400	
3.5	\$173,991,024.92	\$11,400.60	0.000066	0.999934	1.000000	1.000000	0.000000	154.83400	
4.5	\$172,453,310.80	\$92,938,971.31	0.538923	0.461077	0.999869	0.999934	0.000066	155.83400	
5.5	\$76,423,124.16	\$59,724,361.40	0.781496	0.218504	0.212592	0.461077	0.538923	156.83387	
6.5	\$16,750,882.61	\$16,750,882.61	1.000000	0.000000	0.047744	0.218504	0.781496	157.04647	
7.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	157.09421	
8.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	157.09421	
9.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	158.09421	
10.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	159.09421	
11.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	160.09421	
12.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	161.09421	
13.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	162.09421	
14.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	163.09421	
15.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	164.09421	
16.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	165.09421	
17.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	166.09421	
18.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	167.09421	
19.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	168.09421	
20.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	169.09421	
21.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	170.09421	
22.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	171.09421	
23.5					1.000000	1.000000	0.000000	172.09421	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: C392.10 - Trans Eq - Autos
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$1,147,479.13	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	173.09421:
0.5	\$68,032.80	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	174.09421:
1.5					1.000000	1.000000	0.000000	175.09421:
12.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	176.09421:
13.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	177.09421:
14.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	178.09421:
15.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	179.09421:
16.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	180.09421:
17.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	181.09421:
18.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	182.09421:
19.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	183.09421:
20.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	184.09421:
21.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	185.09421:
22.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	186.09421:
23.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	187.09421:
24.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	188.09421:
25.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	189.09421:
26.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	190.09421:
27.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	191.09421:
28.5	\$33,942.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	192.09421:
29.5					1.000000	1.000000	0.000000	193.09421:

San Diego Gas & Electric Company
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Observed Life Report

Account: C392.11 - Trans Eq-Lease Autos (SL)

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$1,202,808.44	\$12,596.02	0.010472	0.989528	0.979165	0.989528	0.010472	194.09421
0.5	\$31,140,710.07	\$216,657.76	0.006957	0.993043	0.979165	0.989528	0.010472	195.07338
1.5	\$30,150,896.42	\$317,279.73	0.010523	0.989477	0.986134	0.993043	0.006957	196.05254
2.5	\$29,079,957.38	\$6,086,798.71	0.209313	0.790687	0.979065	0.989477	0.010523	197.03867
3.5	\$22,494,531.16	\$2,145,924.54	0.095398	0.904602	0.625187	0.790687	0.209313	198.01774
4.5	\$17,728,792.60	\$1,963,160.81	0.110733	0.889267	0.818305	0.904602	0.095398	198.64293
5.5	\$15,765,631.79	\$129,244.77	0.008198	0.991802	0.790796	0.889267	0.110733	199.46123
6.5	\$11,302,649.70	\$0.00	0.000000	1.000000	0.983671	0.991802	0.008198	200.25203
7.5					1.000000	1.000000	0.000000	201.23570

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: C392.20-Transprt Eq-Trailer
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$306,309.53	\$49,012.00	0.160008	0.839992	0.705586
0.5	\$286,520.62	\$0.00	0.000000	1.000000	0.705586
1.5	\$296,236.62	\$91,619.00	0.309276	0.690724	1.000000
2.5	\$189,680.62	\$11,868.00	0.062568	0.937432	0.477099
3.5	\$184,837.62	\$9,304.00	0.050336	0.949664	0.690724
4.5	\$175,533.62	\$0.00	0.000000	1.000000	0.309276
5.5	\$175,533.62	\$3,252.00	0.018526	0.981474	0.062568
6.5	\$172,281.62	\$14,043.00	0.081512	0.918488	0.205123
7.5	\$158,238.62	\$5,178.00	0.032723	0.967277	0.625680
8.5	\$153,060.62	\$6,272.00	0.040977	0.959023	0.935625
9.5	\$146,788.62	\$7,025.00	0.047858	0.952142	0.967277
10.5	\$150,064.62	\$3,659.00	0.024383	0.975617	0.959023
11.5	\$160,291.62	\$0.00	0.000000	1.000000	0.906575
12.5	\$181,561.62	\$0.00	0.000000	1.000000	0.952142
13.5	\$204,585.62	\$7,862.00	0.038429	0.961571	0.906575
14.5	\$196,723.62	\$0.00	0.000000	1.000000	0.951829
15.5	\$206,284.62	\$8,676.00	0.042058	0.957942	0.975617
16.5	\$204,170.18	\$0.00	0.000000	1.000000	0.951829
17.5	\$211,799.49	\$5,966.00	0.028168	0.971832	0.924619
18.5	\$213,288.66	\$1,837.00	0.008613	0.991387	0.961571
19.5	\$215,704.66	\$38,435.52	0.178186	0.821814	1.000000
20.5	\$189,547.14	\$3,387.00	0.017869	0.982131	0.924619
21.5	\$191,158.14	\$8,611.00	0.045046	0.954954	0.961571
22.5	\$186,002.14	\$0.00	0.000000	1.000000	0.964581
23.5	\$195,972.14	\$25,643.00	0.130850	0.869150	0.982131
24.5	\$158,133.16	\$9,249.00	0.058489	0.941511	0.964581
25.5	\$148,884.16	\$15,874.00	0.106620	0.893380	0.911936
26.5	\$133,010.16	\$1,249.95	0.009397	0.990603	0.954954
27.5	\$132,802.21	\$2,224.00	0.016747	0.983253	0.945421
28.5	\$130,578.21	\$29,006.08	0.222136	0.777864	0.869150
29.5	\$101,572.13	\$5,013.09	0.049355	0.950645	1.000000
30.5	\$97,466.04	\$0.00	0.000000	1.000000	0.605073
31.5	\$97,466.04	\$9,859.00	0.101153	0.898847	0.903726
32.5	\$87,607.04	\$0.00	0.000000	1.000000	0.950645
33.5	\$87,607.04	\$521.00	0.005947	0.994053	1.000000
34.5	\$87,086.04	\$13,519.00	0.155237	0.844763	0.903726
35.5	\$73,567.04	\$5,114.00	0.069515	0.930485	1.000000
36.5	\$68,453.04	\$11,810.00	0.172527	0.827473	0.950645
37.5	\$56,643.04	\$7,244.00	0.127889	0.872111	0.865803
38.5	\$49,399.04	\$18,774.00	0.380048	0.619952	0.930485
39.5	\$30,625.04	\$4,253.00	0.138873	0.861127	0.906951
40.5	\$32,057.04	\$907.00	0.028293	0.971707	0.861127
41.5	\$31,150.04	\$1,730.00	0.055538	0.944462	0.741539
42.5	\$30,136.04	\$0.00	0.000000	1.000000	0.861127
43.5	\$30,136.04	\$1,852.00	0.061455	0.938545	0.944214
44.5	\$28,284.04	\$3,797.00	0.134245	0.865755	0.971707
45.5	\$24,742.04	\$14,490.56	0.585666	0.414334	0.944214
46.5	\$10,251.48	\$2,417.31	0.235801	0.764199	0.861127
47.5	\$7,834.17	\$1,901.17	0.242677	0.757323	0.741539
48.5	\$5,933.00	\$3,070.00	0.517445	0.482555	0.619952
49.5	\$2,863.00	\$0.00	0.000000	1.000000	0.861127
50.5	\$2,863.00	\$1,725.00	0.602515	0.397485	0.384341
51.5	\$1,138.00	\$0.00	0.000000	1.000000	0.619952
52.5	\$1,138.00	\$0.00	0.000000	1.000000	0.384341

San Diego Gas & Electric Company
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Observed Life Report

Account: C392.20-Transprtn Eq-Trailer
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$1,277.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	246.77697:
54.5	\$1,277.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	247.77697:
55.5	\$1,277.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	248.77697:
56.5	\$1,277.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	249.77697:
57.5	\$1,277.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	250.77697:
58.5	\$1,277.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	251.77697:
59.5	\$1,277.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	252.77697:
60.5	\$1,277.00	\$1,138.00	0.891151	0.108849	1.000000	1.000000	0.000000	253.77697:
61.5	\$139.00	\$0.00	0.000000	1.000000	0.011848	0.108849	0.891151	254.77697:
62.5	\$139.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	254.78882:
63.5	\$139.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	255.78882:
64.5	\$139.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	256.78882:
65.5	\$139.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	257.78882:
66.5	\$139.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	258.78882:
67.5	\$139.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	259.78882:
68.5	\$139.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	260.78882:
69.5	\$139.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	261.78882:
70.5	\$139.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	262.78882:
71.5	\$139.00	\$139.00	1.000000	0.000000	1.000000	1.000000	0.000000	263.78882:
72.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	264.78882:
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	264.78882:
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	265.78882:
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	266.78882:
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	267.78882:
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	268.78882:
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	269.78882:
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	270.78882:
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	271.78882:
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	272.78882:
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	273.78882:
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	274.78882:
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	275.78882:
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	276.78882:
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	277.78882:
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	278.78882:
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	279.78882:
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	280.78882:
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	281.78882:
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	282.78882:
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	283.78882:
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	284.78882:
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	285.78882:
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	286.78882:
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	287.78882:
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	288.78882:
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	289.78882:
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	290.78882:
100.5					1.000000	1.000000	0.000000	291.78882:

San Diego Gas & Electric Company
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Observed Life Report

Account: C393.10-Stores Equip-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion			
			Retired	Surviving	Surviving	Surviving		
0	\$938,403.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	292.78882:
0.5	\$947,168.34	\$464.00	0.000490	0.999510	1.000000	1.000000	0.000000	293.78882:
1.5	\$948,453.32	\$16,097.00	0.016972	0.983028	0.999020	0.999510	0.000490	294.78882:
2.5	\$954,651.32	\$52,407.00	0.054896	0.945104	0.966344	0.983028	0.016972	295.78784:
3.5	\$883,602.76	\$18,083.00	0.020465	0.979535	0.893221	0.945104	0.054896	296.75418:
4.5	\$847,038.98	\$82,557.00	0.097465	0.902535	0.959489	0.979535	0.020465	297.64740:
5.5	\$751,197.62	\$8,676.00	0.011550	0.988450	0.814569	0.902535	0.097465	298.60689:
6.5	\$747,885.18	\$11,499.00	0.015375	0.984625	0.977034	0.988450	0.011550	299.42146:
7.5	\$736,437.18	\$87,595.00	0.118944	0.881056	0.969486	0.984625	0.015375	300.39850:
8.5	\$670,637.21	\$157,168.00	0.234356	0.765644	0.776259	0.881056	0.118944	301.36798:
9.5	\$552,227.06	\$16,721.00	0.030279	0.969721	0.586210	0.765644	0.234356	302.14424:
10.5	\$537,896.16	\$8,454.00	0.015717	0.984283	0.940358	0.969721	0.030279	302.73045:
11.5	\$530,286.76	\$2,629.00	0.004958	0.995042	0.968813	0.984283	0.015717	303.67081:
12.5	\$528,516.75	\$1,090.00	0.002062	0.997938	0.990109	0.995042	0.004958	304.63962:
13.5	\$528,352.41	\$9,406.00	0.017803	0.982197	0.995880	0.997938	0.002062	305.62973:
14.5	\$521,406.23	\$4,045.00	0.007758	0.992242	0.964712	0.982197	0.017803	306.62561:
15.5	\$523,159.23	\$1,595.00	0.003049	0.996951	0.984544	0.992242	0.007758	307.59032:
16.5	\$523,434.79	\$776.00	0.001483	0.998517	0.993912	0.996951	0.003049	308.57487:
17.5	\$523,765.79	\$9,119.26	0.017411	0.982589	0.997037	0.998517	0.001483	309.56878:
18.5	\$515,359.53	\$713.00	0.001384	0.998616	0.965481	0.982589	0.017411	310.56582:
19.5	\$515,180.53	\$54,966.31	0.106693	0.893307	0.997235	0.998616	0.001384	311.53130:
20.5	\$453,519.81	\$41,041.29	0.090495	0.909505	0.797997	0.893307	0.106693	312.52853:
21.5	\$401,004.63	\$29,173.99	0.072752	0.927248	0.827199	0.909505	0.090495	313.32653:
22.5	\$344,657.12	\$111,040.99	0.322178	0.677822	0.859788	0.927248	0.072752	314.15373:
23.5	\$235,162.90	\$50,965.84	0.216726	0.783274	0.459442	0.677822	0.322178	315.01352:
24.5	\$189,631.06	\$41,732.43	0.220072	0.779928	0.613519	0.783274	0.216726	315.47296:
25.5	\$148,071.63	\$7,353.47	0.049662	0.950338	0.608288	0.779928	0.220072	316.08648:
26.5	\$158,362.16	\$39,693.69	0.250651	0.749349	0.903143	0.950338	0.049662	316.69477:
27.5	\$118,668.47	\$8,206.31	0.069153	0.930847	0.561523	0.749349	0.250651	317.59791:
28.5	\$111,997.16	\$27,870.37	0.248849	0.751151	0.866476	0.930847	0.069153	318.15943:
29.5	\$84,139.79	\$9,186.98	0.109187	0.890813	0.564228	0.751151	0.248849	319.02591:
30.5	\$75,746.81	\$2,312.98	0.030536	0.969464	0.793548	0.890813	0.109187	319.59014:
31.5	\$75,251.83	\$236.00	0.003136	0.996864	0.939861	0.969464	0.030536	320.38368:
32.5	\$75,130.83	\$15,133.44	0.201428	0.798572	0.993738	0.996864	0.003136	321.32355:
33.5	\$60,505.39	\$15,716.22	0.259749	0.740251	0.637718	0.798572	0.201428	322.31728:
34.5	\$45,168.17	\$1,029.00	0.022782	0.977218	0.547971	0.740251	0.259749	322.95500:
35.5	\$44,139.17	\$10,353.56	0.234566	0.765434	0.954956	0.977218	0.022782	323.50297:
36.5	\$33,836.61	\$52.00	0.001537	0.998463	0.585889	0.765434	0.234566	324.45793:
37.5	\$33,963.61	\$4,118.03	0.121248	0.878752	0.996929	0.998463	0.001537	325.04382:
38.5	\$31,629.58	\$15,242.85	0.481918	0.518082	0.772205	0.878752	0.121248	326.04075:
39.5	\$38,765.73	\$10,022.10	0.258530	0.741470	0.268409	0.518082	0.481918	326.81295:
40.5	\$31,580.63	\$2,674.60	0.084691	0.915309	0.549778	0.741470	0.258530	327.08136:
41.5	\$33,289.03	\$2,828.99	0.084983	0.915017	0.837790	0.915309	0.084691	327.63114:
42.5	\$31,227.04	\$954.66	0.030572	0.969428	0.837257	0.915017	0.084983	328.46893:
43.5	\$30,272.38	\$1,153.82	0.038115	0.961885	0.939791	0.969428	0.030572	329.30618:
44.5	\$30,360.56	\$1,080.00	0.035572	0.964428	0.925224	0.961885	0.038115	330.24598:
45.5	\$32,782.56	\$578.56	0.017648	0.982352	0.930120	0.964428	0.035572	331.17120:
46.5	\$32,559.00	\$0.00	0.000000	1.000000	0.965015	0.982352	0.017648	332.10132:
47.5	\$33,196.00	\$344.00	0.010363	0.989637	1.000000	1.000000	0.000000	333.06633:
48.5	\$33,545.00	\$700.00	0.020867	0.979133	0.979382	0.989637	0.010363	334.06633:
49.5	\$33,178.00	\$607.00	0.018295	0.981705	0.958700	0.979133	0.020867	335.04572:
50.5	\$32,571.00	\$918.00	0.028185	0.971815	0.963744	0.981705	0.018295	336.00442:
51.5	\$31,755.00	\$1,671.00	0.052622	0.947378	0.944425	0.971815	0.028185	336.96816:
52.5	\$30,188.00	\$1,184.00	0.039221	0.960779	0.897526	0.947378	0.052622	337.91259:

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: C393.10-Stores Equip-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$29,004.00	\$0.00	0.000000	1.000000	0.923097	0.960779	0.039221	338.81011:
54.5	\$29,004.00	\$51.00	0.001758	0.998242	1.000000	1.000000	0.000000	339.73321:
55.5	\$28,953.00	\$369.00	0.012745	0.987255	0.996486	0.998242	0.001758	340.73321:
56.5	\$28,584.00	\$571.00	0.019976	0.980024	0.974673	0.987255	0.012745	341.72970:
57.5	\$28,013.00	\$5,231.00	0.186735	0.813265	0.960447	0.980024	0.019976	342.70437:
58.5	\$22,782.00	\$1,700.00	0.074620	0.925380	0.661400	0.813265	0.186735	343.66481:
59.5	\$21,082.00	\$556.00	0.026373	0.973627	0.856328	0.925380	0.074620	344.32622:
60.5	\$20,526.00	\$236.00	0.011498	0.988502	0.947949	0.973627	0.026373	345.18254:
61.5	\$20,290.00	\$0.00	0.000000	1.000000	0.977137	0.988502	0.011498	346.13049:
62.5	\$20,290.00	\$666.00	0.032824	0.967176	1.000000	1.000000	0.000000	347.10763:
63.5	\$19,624.00	\$444.00	0.022625	0.977375	0.935429	0.967176	0.032824	348.10763:
64.5	\$19,180.00	\$203.00	0.010584	0.989416	0.955261	0.977375	0.022625	349.04306:
65.5	\$18,977.00	\$612.00	0.032250	0.967750	0.978944	0.989416	0.010584	349.99832:
66.5	\$18,365.00	\$14,852.00	0.808712	0.191288	0.936541	0.967750	0.032250	350.97726:
67.5	\$3,513.00	\$319.00	0.090806	0.909194	0.036591	0.191288	0.808712	351.91380:
68.5	\$3,194.00	\$0.00	0.000000	1.000000	0.826634	0.909194	0.090806	351.95040:
69.5	\$3,194.00	\$102.00	0.031935	0.968065	1.000000	1.000000	0.000000	352.77703:
70.5	\$3,092.00	\$0.00	0.000000	1.000000	0.937150	0.968065	0.031935	353.77703:
71.5	\$3,092.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	354.71418:
72.5	\$3,092.00	\$3,092.00	1.000000	0.000000	1.000000	1.000000	0.000000	355.71418:
73.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	356.71418:
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	356.71418:
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	357.71418:
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	358.71418:
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	359.71418:
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	360.71418:
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	361.71418:
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	362.71418:
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	363.71418:
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	364.71418:
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	365.71418:
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	366.71418:
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	367.71418:
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	368.71418:
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	369.71418:
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	370.71418:
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	371.71418:
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	372.71418:
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	373.71418:
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	374.71418:
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	375.71418:
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	376.71418:
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	377.71418:
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	378.71418:
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	379.71418:
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	380.71418:
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	381.71418:
100.5					1.000000	1.000000	0.000000	382.71418:

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: C394.11-Portable Tools-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$2,101,403.46	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	383.71418:
0.5	\$2,188,586.08	\$474.00	0.000217	0.999783	1.000000	1.000000	0.000000	384.71418:
1.5	\$2,211,317.20	\$424.00	0.000192	0.999808	0.999567	0.999783	0.000217	385.71418:
2.5	\$2,205,537.57	\$1,455.00	0.000660	0.999340	0.999617	0.999808	0.000192	386.71375:
3.5	\$2,176,523.36	\$9,218.89	0.004236	0.995764	0.998681	0.999340	0.000660	387.71336:
4.5	\$2,157,620.41	\$11,374.00	0.005272	0.994728	0.991547	0.995764	0.004236	388.71204:
5.5	\$2,116,374.80	\$4,331.00	0.002046	0.997954	0.989485	0.994728	0.005272	389.70359:
6.5	\$1,531,808.80	\$47,346.00	0.030909	0.969091	0.995911	0.997954	0.002046	390.69308:
7.5	\$1,047,991.59	\$2,982.00	0.002845	0.997155	0.939138	0.969091	0.030909	391.68899:
8.5	\$1,045,009.59	\$27,067.00	0.025901	0.974099	0.994317	0.997155	0.002845	392.62813:
9.5	\$1,017,942.59	\$24,763.00	0.024327	0.975673	0.948868	0.974099	0.025901	393.62244:
10.5	\$1,029,528.43	\$3,839.00	0.003729	0.996271	0.951939	0.975673	0.024327	394.57131:
11.5	\$934,054.01	\$4,966.00	0.005317	0.994683	0.992556	0.996271	0.003729	395.52325:
12.5	\$921,822.50	\$1,820.00	0.001974	0.998026	0.989395	0.994683	0.005317	396.51581:
13.5	\$914,955.49	\$131.00	0.000143	0.999857	0.996055	0.998026	0.001974	397.50520:
14.5	\$914,824.49	\$10,298.31	0.011257	0.988743	0.999714	0.999857	0.000143	398.50126:
15.5	\$910,623.14	\$7,615.00	0.008362	0.991638	0.977612	0.988743	0.011257	399.50097:
16.5	\$903,165.14	\$11,555.05	0.012794	0.987206	0.983345	0.991638	0.008362	400.47858:
17.5	\$894,835.99	\$3,922.02	0.004383	0.995617	0.974576	0.987206	0.012794	401.46193:
18.5	\$895,573.04	\$39,594.34	0.044211	0.955789	0.991253	0.995617	0.004383	402.43650:
19.5	\$856,306.70	\$111,717.35	0.130464	0.869536	0.913532	0.955789	0.044211	403.42776:
20.5	\$747,596.35	\$6,296.96	0.008423	0.991577	0.756093	0.869536	0.130464	404.34129:
21.5	\$746,391.39	\$2,131.93	0.002856	0.997144	0.983225	0.991577	0.008423	405.09738:
22.5	\$737,437.35	\$38,524.27	0.052241	0.947759	0.994296	0.997144	0.002856	406.08061:
23.5	\$699,987.08	\$221,766.58	0.316815	0.683185	0.898248	0.947759	0.052241	407.07490:
24.5	\$478,220.50	\$547.00	0.001144	0.998856	0.466741	0.683185	0.316815	407.97315:
25.5	\$477,673.50	\$32,406.73	0.067843	0.932157	0.997714	0.998856	0.001144	408.43989:
26.5	\$449,163.77	\$25,448.34	0.056657	0.943343	0.868917	0.932157	0.067843	409.43760:
27.5	\$423,715.43	\$118,849.09	0.280493	0.719507	0.889896	0.943343	0.056657	410.30652:
28.5	\$306,630.34	\$119,273.48	0.388981	0.611019	0.517691	0.719507	0.280493	411.19642:
29.5	\$187,356.86	\$79,504.62	0.424349	0.575651	0.373344	0.611019	0.388981	411.71411:
30.5	\$107,852.24	\$8,283.73	0.076806	0.923194	0.331375	0.575651	0.424349	412.08745:
31.5	\$99,676.51	\$6,657.37	0.066790	0.933210	0.852287	0.923194	0.076806	412.41883:
32.5	\$93,019.14	\$10,142.54	0.109037	0.890963	0.870881	0.933210	0.066790	413.27111:
33.5	\$82,876.60	\$253.00	0.003053	0.996947	0.793815	0.890963	0.109037	414.14199:
34.5	\$85,226.60	\$1,319.28	0.015480	0.984520	0.993904	0.996947	0.003053	414.93581:
35.5	\$83,907.32	\$877.56	0.010459	0.989541	0.969280	0.984520	0.015480	415.92971:
36.5	\$83,029.76	\$6,580.15	0.079251	0.920749	0.979192	0.989541	0.010459	416.89899:
37.5	\$76,449.61	\$328.00	0.004290	0.995710	0.847780	0.920749	0.079251	417.87819:
38.5	\$76,121.61	\$940.00	0.012349	0.987651	0.991438	0.995710	0.004290	418.72597:
39.5	\$75,181.61	\$22,025.84	0.292968	0.707032	0.975455	0.987651	0.012349	419.71740:
40.5	\$53,155.77	\$9,470.20	0.178159	0.821841	0.499894	0.707032	0.292968	420.69286:
41.5	\$43,685.57	\$7,127.13	0.163146	0.836854	0.675422	0.821841	0.178159	421.19275:
42.5	\$36,558.44	\$8,570.51	0.234433	0.765567	0.700324	0.836854	0.163146	421.86817:
43.5	\$27,987.93	\$0.00	0.000000	1.000000	0.586093	0.765567	0.234433	422.56850:
44.5	\$27,987.93	\$7,525.96	0.268900	0.731100	1.000000	1.000000	0.000000	423.15459:
45.5	\$20,461.97	\$0.00	0.000000	1.000000	0.534507	0.731100	0.268900	424.15459:
46.5	\$20,461.97	\$1,979.90	0.096760	0.903240	1.000000	1.000000	0.000000	424.68910:
47.5	\$18,482.07	\$7,245.07	0.392005	0.607995	0.815843	0.903240	0.096760	425.68910:
48.5	\$11,237.00	\$3,410.00	0.303462	0.696538	0.369658	0.607995	0.392005	426.50494:
49.5	\$7,827.00	\$2,230.00	0.284911	0.715089	0.485165	0.696538	0.303462	426.87460:
50.5	\$5,597.00	\$1,744.00	0.311595	0.688405	0.511352	0.715089	0.284911	427.35976:
51.5	\$3,853.00	\$0.00	0.000000	1.000000	0.473901	0.688405	0.311595	427.87111:
52.5	\$3,853.00	\$1,287.00	0.334025	0.665975	1.000000	1.000000	0.000000	428.34502:

San Diego Gas & Electric Company
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Observed Life Report

Account: C394.11-Portable Tools-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$2,566.00	\$700.00	0.272798	0.727202	0.443522	0.665975	0.334025	429.345021
54.5	\$1,866.00	\$1,320.00	0.707395	0.292605	0.528823	0.727202	0.272798	429.788541
55.5	\$546.00	\$0.00	0.000000	1.000000	0.085617	0.292605	0.707395	430.317361
56.5	\$546.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	430.402981
57.5	\$546.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	431.402981
58.5	\$546.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	432.402981
59.5	\$546.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	433.402981
60.5	\$546.00	\$546.00	1.000000	0.000000	1.000000	1.000000	0.000000	434.402981
61.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	435.402981
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	435.402981
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	436.402981
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	437.402981
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	438.402981
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	439.402981
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	440.402981
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	441.402981
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	442.402981
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	443.402981
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	444.402981
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	445.402981
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	446.402981
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	447.402981
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	448.402981
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	449.402981
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	450.402981
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	451.402981
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	452.402981
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	453.402981
81.5					1.000000	1.000000	0.000000	454.402981

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: C394.21-Shop Equip - Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$1,183,974.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	455.40298:
0.5	\$1,205,827.08	\$139.00	0.000115	0.999885	1.000000	1.000000	0.000000	456.40298:
1.5	\$1,213,585.34	\$0.00	0.000000	1.000000	0.999769	0.999885	0.000115	457.40298:
2.5	\$1,212,810.34	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	458.40275:
3.5	\$1,215,132.24	\$45,261.00	0.037248	0.962752	1.000000	1.000000	0.000000	459.40275:
4.5	\$1,171,893.06	\$122.00	0.000104	0.999896	0.926892	0.962752	0.037248	460.40275:
5.5	\$1,175,811.02	\$2,435.00	0.002071	0.997929	0.999792	0.999896	0.000104	461.32964:
6.5	\$1,175,722.99	\$4,833.00	0.004111	0.995889	0.995862	0.997929	0.002071	462.32943:
7.5	\$1,179,861.11	\$28,081.25	0.023800	0.976200	0.991796	0.995889	0.004111	463.32529:
8.5	\$1,166,898.29	\$20,241.85	0.017347	0.982653	0.952966	0.976200	0.023800	464.31709:
9.5	\$1,148,786.33	\$21,162.00	0.018421	0.981579	0.965607	0.982653	0.017347	465.27005:
10.5	\$1,136,503.70	\$4,249.18	0.003739	0.996261	0.963497	0.981579	0.018421	466.23566:
11.5	\$1,137,095.45	\$32,796.76	0.028843	0.971157	0.992536	0.996261	0.003739	467.19916:
12.5	\$1,104,873.37	\$11,787.53	0.010669	0.989331	0.943147	0.971157	0.028843	468.19170:
13.5	\$1,096,518.23	\$10,263.78	0.009360	0.990640	0.978776	0.989331	0.010669	469.13484:
14.5	\$1,088,295.45	\$47,931.15	0.044042	0.955958	0.981367	0.990640	0.009360	470.11362:
15.5	\$1,028,061.76	\$228,846.10	0.222600	0.777400	0.913855	0.955958	0.044042	471.09499:
16.5	\$801,175.12	\$32,826.99	0.040974	0.959026	0.604351	0.777400	0.222600	472.00884:
17.5	\$771,038.13	\$60,239.67	0.078128	0.921872	0.919732	0.959026	0.040974	472.61319:
18.5	\$712,895.28	\$44,211.32	0.062017	0.937983	0.849848	0.921872	0.078128	473.53292:
19.5	\$550,901.35	\$17,283.87	0.031374	0.968626	0.879813	0.937983	0.062017	474.38277:
20.5	\$536,597.48	\$72,230.77	0.134609	0.865391	0.938237	0.968626	0.031374	475.26258:
21.5	\$468,964.71	\$106,980.53	0.228121	0.771879	0.748902	0.865391	0.134609	476.20082:
22.5	\$366,205.18	\$12,292.99	0.033569	0.966431	0.595798	0.771879	0.228121	476.94972:
23.5	\$350,640.50	\$24,474.02	0.069798	0.930202	0.933990	0.966431	0.033569	477.54552:
24.5	\$326,256.48	\$3,118.00	0.009557	0.990443	0.865276	0.930202	0.069798	478.47951:
25.5	\$323,192.48	\$2,288.00	0.007079	0.992921	0.980978	0.990443	0.009557	479.34479:
26.5	\$320,984.48	\$11,305.74	0.035222	0.964778	0.985891	0.992921	0.007079	480.32576:
27.5	\$303,202.55	\$301.00	0.000993	0.999007	0.930796	0.964778	0.035222	481.31165:
28.5	\$281,930.56	\$100,042.54	0.354848	0.645152	0.998016	0.999007	0.000993	482.24245:
29.5	\$154,719.54	\$43,212.74	0.279297	0.720703	0.416221	0.645152	0.354848	483.24047:
30.5	\$112,218.80	\$3,367.12	0.030005	0.969995	0.519412	0.720703	0.279297	483.65669:
31.5	\$109,233.68	\$1,578.45	0.014450	0.985550	0.940890	0.969995	0.030005	484.17610:
32.5	\$108,213.23	\$13,923.15	0.128664	0.871336	0.971308	0.985550	0.014450	485.11699:
33.5	\$96,245.08	\$14,156.82	0.147091	0.852909	0.759226	0.871336	0.128664	486.08830:
34.5	\$82,390.26	\$18,861.65	0.228931	0.771069	0.727453	0.852909	0.147091	486.84753:
35.5	\$63,528.61	\$3,259.26	0.051304	0.948696	0.594548	0.771069	0.228931	487.57498:
36.5	\$60,958.35	\$523.12	0.008582	0.991418	0.900024	0.948696	0.051304	488.16953:
37.5	\$61,002.23	\$17,583.68	0.288247	0.711753	0.982910	0.991418	0.008582	489.06955:
38.5	\$44,877.55	\$1,410.00	0.031419	0.968581	0.506593	0.711753	0.288247	490.05246:
39.5	\$51,315.55	\$2,553.96	0.049770	0.950230	0.938149	0.968581	0.031419	490.55905:
40.5	\$54,692.59	\$2,385.97	0.043625	0.956375	0.902938	0.950230	0.049770	491.49720:
41.5	\$60,207.62	\$119.00	0.001976	0.998024	0.914653	0.956375	0.043625	492.40014:
42.5	\$69,480.62	\$7,521.78	0.108257	0.891743	0.996051	0.998024	0.001976	493.31479:
43.5	\$62,869.84	\$1,969.89	0.031333	0.968667	0.795205	0.891743	0.108257	494.31085:
44.5	\$66,216.95	\$10,413.37	0.157261	0.842739	0.938316	0.968667	0.031333	495.10605:
45.5	\$66,997.58	\$5,807.93	0.086689	0.913311	0.710208	0.842739	0.157261	496.04437:
46.5	\$65,538.65	\$2,893.68	0.044152	0.955848	0.834138	0.913311	0.086689	496.75457:
47.5	\$66,295.97	\$7,007.97	0.105707	0.894293	0.913645	0.955848	0.044152	497.58871:
48.5	\$65,266.00	\$5,764.00	0.088316	0.911684	0.799759	0.894293	0.105707	498.50236:
49.5	\$60,844.00	\$8,345.00	0.137154	0.862846	0.831169	0.911684	0.088316	499.30212:
50.5	\$52,553.00	\$3,311.00	0.063003	0.936997	0.744503	0.862846	0.137154	500.13329:
51.5	\$49,684.00	\$179.00	0.003603	0.996397	0.877963	0.936997	0.063003	500.87779:
52.5	\$54,575.00	\$501.00	0.009180	0.990820	0.992807	0.996397	0.003603	501.75575:

San Diego Gas & Electric Company
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Observed Life Report

Account: C394.21-Shop Equip - Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative			
			Retired	Surviving	Proportion	Surviving	Surviving	
53.5	\$54,149.00	\$104.00	0.001921	0.998079	0.981724	0.990820	0.009180	502.74856
54.5	\$54,045.00	\$18.00	0.000333	0.999667	0.996162	0.998079	0.001921	503.73028
55.5	\$54,027.00	\$1,143.00	0.021156	0.978844	0.999334	0.999667	0.000333	504.72645
56.5	\$52,884.00	\$8,082.00	0.152825	0.847175	0.958135	0.978844	0.021156	505.72578
57.5	\$44,802.00	\$122.00	0.002723	0.997277	0.717705	0.847175	0.152825	506.68392
58.5	\$44,680.00	\$930.00	0.020815	0.979185	0.994561	0.997277	0.002723	507.40162
59.5	\$43,750.00	\$1,685.00	0.038514	0.961486	0.958804	0.979185	0.020815	508.39618
60.5	\$42,065.00	\$435.00	0.010341	0.989659	0.924455	0.961486	0.038514	509.35499
61.5	\$41,630.00	\$544.00	0.013067	0.986933	0.979425	0.989659	0.010341	510.27944
62.5	\$41,086.00	\$2,598.00	0.063233	0.936767	0.974036	0.986933	0.013067	511.25887
63.5	\$38,488.00	\$1,883.00	0.048924	0.951076	0.877532	0.936767	0.063233	512.23290
64.5	\$36,605.00	\$5,145.00	0.140555	0.859445	0.904545	0.951076	0.048924	513.11043
65.5	\$31,460.00	\$3,078.00	0.097839	0.902161	0.738646	0.859445	0.140555	514.01498
66.5	\$28,382.00	\$158.00	0.005567	0.994433	0.813895	0.902161	0.097839	514.75362
67.5	\$28,224.00	\$4,748.00	0.168226	0.831774	0.988897	0.994433	0.005567	515.56752
68.5	\$23,476.00	\$4,811.00	0.204933	0.795067	0.691849	0.831774	0.168226	516.55642
69.5	\$18,665.00	\$3,372.00	0.180659	0.819341	0.632132	0.795067	0.204933	517.24827
70.5	\$15,293.00	\$3,336.00	0.218139	0.781861	0.671320	0.819341	0.180659	517.88040
71.5	\$11,957.00	\$2,898.00	0.242368	0.757632	0.611307	0.781861	0.218139	518.55172
72.5	\$9,059.00	\$3,451.00	0.380947	0.619053	0.574006	0.757632	0.242368	519.16302
73.5	\$5,608.00	\$697.00	0.124287	0.875713	0.383226	0.619053	0.380947	519.73703
74.5	\$4,911.00	\$305.00	0.062105	0.937895	0.766874	0.875713	0.124287	520.12026
75.5	\$4,606.00	\$282.00	0.061224	0.938776	0.879646	0.937895	0.062105	520.88713
76.5	\$4,324.00	\$4,324.00	1.000000	0.000000	0.881299	0.938776	0.061224	521.76678
77.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	522.64808
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	522.64808
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	523.64808
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	524.64808
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	525.64808
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	526.64808
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	527.64808
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	528.64808
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	529.64808
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	530.64808
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	531.64808
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	532.64808
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	533.64808
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	534.64808
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	535.64808
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	536.64808
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	537.64808
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	538.64808
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	539.64808
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	540.64808
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	541.64808
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	542.64808
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	543.64808
100.5					1.000000	1.000000	0.000000	544.64808

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: C394.31-Garage Equip -Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$5,004,495.16	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	545.648081
0.5	\$5,032,887.73	\$1,095.00	0.000218	0.999782	1.000000	1.000000	0.000000	546.648081
1.5	\$4,649,345.40	\$8,907.00	0.001916	0.998084	0.999565	0.999782	0.000218	547.648081
2.5	\$4,628,793.89	\$3,079.00	0.000665	0.999335	0.996172	0.998084	0.001916	548.647641
3.5	\$4,515,151.34	\$12,354.00	0.002736	0.997264	0.998670	0.999335	0.000665	549.643811
4.5	\$4,472,663.42	\$13,818.00	0.003089	0.996911	0.994535	0.997264	0.002736	550.642481
5.5	\$4,453,515.41	\$101,335.00	0.022754	0.977246	0.993831	0.996911	0.003089	551.637021
6.5	\$4,302,145.88	\$12,639.00	0.002938	0.997062	0.955010	0.977246	0.022754	552.630851
7.5	\$4,246,469.70	\$14,651.12	0.003450	0.996550	0.994133	0.997062	0.002938	553.585861
8.5	\$4,226,997.00	\$135,612.66	0.032083	0.967917	0.993112	0.996550	0.003450	554.579991
9.5	\$3,992,632.02	\$116,687.00	0.029226	0.970774	0.936864	0.967917	0.032083	555.573101
10.5	\$3,819,102.91	\$72,949.00	0.019101	0.980899	0.942403	0.970774	0.029226	556.509971
11.5	\$3,639,750.65	\$74,373.61	0.020434	0.979566	0.962163	0.980899	0.019101	557.452371
12.5	\$3,566,735.73	\$257,427.60	0.072175	0.927825	0.959550	0.979566	0.020434	558.414531
13.5	\$2,943,923.41	\$149,875.31	0.050910	0.949090	0.860860	0.927825	0.072175	559.374081
14.5	\$2,793,505.10	\$53,907.48	0.019297	0.980703	0.900772	0.949090	0.050910	560.234941
15.5	\$2,731,415.87	\$14,229.69	0.005210	0.994790	0.961778	0.980703	0.019297	561.135711
16.5	\$2,741,976.03	\$38,878.26	0.014179	0.985821	0.989608	0.994790	0.005210	562.097491
17.5	\$2,702,482.25	\$53,938.88	0.019959	0.980041	0.971843	0.985821	0.014179	563.087101
18.5	\$2,571,560.79	\$31,565.75	0.012275	0.987725	0.960480	0.980041	0.019959	564.058941
19.5	\$2,508,641.83	\$15,030.00	0.005991	0.994009	0.975601	0.987725	0.012275	565.019421
20.5	\$2,490,483.55	\$2,012,629.12	0.808128	0.191872	0.988053	0.994009	0.005991	565.995021
21.5	\$462,865.51	\$120,516.56	0.260371	0.739629	0.036815	0.191872	0.808128	566.983081
22.5	\$335,447.95	\$51,308.00	0.152954	0.847046	0.547052	0.739629	0.260371	567.019891
23.5	\$284,890.95	\$13,188.28	0.046292	0.953708	0.717487	0.847046	0.152954	567.566941
24.5	\$271,801.67	\$29,471.15	0.108429	0.891571	0.909558	0.953708	0.046292	568.284431
25.5	\$242,330.52	\$14,304.00	0.059027	0.940973	0.794899	0.891571	0.108429	569.193991
26.5	\$228,166.52	\$25,485.87	0.111699	0.888301	0.885431	0.940973	0.059027	569.988891
27.5	\$202,767.65	\$24,186.53	0.119282	0.880718	0.789079	0.888301	0.111699	570.874321
28.5	\$179,139.12	\$63,562.64	0.354823	0.645177	0.775664	0.880718	0.119282	571.663401
29.5	\$116,020.48	\$12,167.57	0.104874	0.895126	0.416254	0.645177	0.354823	572.439061
30.5	\$104,472.91	\$6,633.81	0.063498	0.936502	0.801250	0.895126	0.104874	572.855321
31.5	\$101,656.10	\$18,782.89	0.184769	0.815231	0.877036	0.936502	0.063498	573.656571
32.5	\$82,873.21	\$11,098.04	0.133916	0.866084	0.664602	0.815231	0.184769	574.533601
33.5	\$71,898.17	\$4,664.62	0.064878	0.935122	0.750102	0.866084	0.133916	575.198201
34.5	\$67,233.55	\$7,531.08	0.112014	0.887986	0.874453	0.935122	0.064878	575.948311
35.5	\$59,702.47	\$3,042.47	0.050961	0.949039	0.788520	0.887986	0.112014	576.822761
36.5	\$56,744.00	\$9,318.00	0.164211	0.835789	0.900676	0.949039	0.050961	577.611281
37.5	\$48,095.00	\$11,550.10	0.240152	0.759848	0.698543	0.835789	0.164211	578.511951
38.5	\$37,455.90	\$12,384.58	0.330644	0.669356	0.577369	0.759848	0.240152	579.210501
39.5	\$25,389.32	\$1,783.06	0.070229	0.929771	0.448037	0.669356	0.330644	579.787871
40.5	\$25,039.26	\$1,287.22	0.051408	0.948592	0.864475	0.929771	0.070229	580.235901
41.5	\$27,839.04	\$663.69	0.023840	0.976160	0.899827	0.948592	0.051408	581.100381
42.5	\$27,874.35	\$973.00	0.034907	0.965093	0.952888	0.976160	0.023840	582.000211
43.5	\$27,978.35	\$12,475.00	0.445880	0.554120	0.931405	0.965093	0.034907	582.953091
44.5	\$17,616.35	\$3,645.50	0.206938	0.793062	0.307048	0.554120	0.445880	583.884501
45.5	\$18,862.85	\$3,956.85	0.209769	0.790231	0.628947	0.793062	0.206938	584.191551
46.5	\$14,906.00	\$123.00	0.008252	0.991748	0.624464	0.790231	0.209769	584.820491
47.5	\$14,910.00	\$2,566.00	0.172099	0.827901	0.983565	0.991748	0.008252	585.444961
48.5	\$12,717.00	\$1,048.00	0.082409	0.917591	0.685420	0.827901	0.172099	586.428521
49.5	\$12,033.00	\$1,876.00	0.155905	0.844095	0.841973	0.917591	0.082409	587.113941
50.5	\$10,157.00	\$482.00	0.047455	0.952545	0.712497	0.844095	0.155905	587.955911
51.5	\$9,675.00	\$139.00	0.014367	0.985633	0.907342	0.952545	0.047455	588.668411
52.5	\$9,566.00	\$30.00	0.003136	0.996864	0.971473	0.985633	0.014367	589.575751

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: C394.31-Garage Equip -Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$9,876.00	\$340.00	0.034427	0.965573	0.993738	0.996864	0.003136	590.54723
54.5	\$9,536.00	\$0.00	0.000000	1.000000	0.932331	0.965573	0.034427	591.54096
55.5	\$9,536.00	\$317.00	0.033242	0.966758	1.000000	1.000000	0.000000	592.47330
56.5	\$9,219.00	\$288.00	0.031240	0.968760	0.934620	0.966758	0.033242	593.47330
57.5	\$8,931.00	\$718.00	0.080394	0.919606	0.938496	0.968760	0.031240	594.40792
58.5	\$8,213.00	\$950.00	0.115670	0.884330	0.845675	0.919606	0.080394	595.34641
59.5	\$7,263.00	\$334.00	0.045987	0.954013	0.782039	0.884330	0.115670	596.19209
60.5	\$6,929.00	\$241.00	0.034781	0.965219	0.910142	0.954013	0.045987	596.97413
61.5	\$6,688.00	\$587.00	0.087769	0.912231	0.931647	0.965219	0.034781	597.88427
62.5	\$6,101.00	\$1,205.00	0.197509	0.802491	0.832165	0.912231	0.087769	598.81591
63.5	\$4,896.00	\$715.00	0.146038	0.853962	0.643992	0.802491	0.197509	599.64808
64.5	\$4,181.00	\$0.00	0.000000	1.000000	0.729252	0.853962	0.146038	600.29207
65.5	\$4,181.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	601.02132
66.5	\$4,181.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	602.02132
67.5	\$4,181.00	\$1,923.00	0.459938	0.540062	1.000000	1.000000	0.000000	603.02132
68.5	\$2,258.00	\$0.00	0.000000	1.000000	0.291667	0.540062	0.459938	604.02132
69.5	\$2,258.00	\$439.00	0.194420	0.805580	1.000000	1.000000	0.000000	604.31299
70.5	\$1,819.00	\$0.00	0.000000	1.000000	0.648959	0.805580	0.194420	605.31299
71.5	\$1,819.00	\$1,819.00	1.000000	0.000000	1.000000	1.000000	0.000000	605.96195
72.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	606.96195
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	606.96195
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	607.96195
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	608.96195
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	609.96195
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	610.96195
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	611.96195
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	612.96195
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	613.96195
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	614.96195
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	615.96195
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	616.96195
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	617.96195
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	618.96195
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	619.96195
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	620.96195
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	621.96195
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	622.96195
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	623.96195
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	624.96195
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	625.96195
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	626.96195
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	627.96195
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	628.96195
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	629.96195
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	630.96195
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	631.96195
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	632.96195
100.5					1.000000	1.000000	0.000000	633.96195

San Diego Gas & Electric Company
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Observed Life Report

Account: C395.10-Laboratory Eq -Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$3,696,104.31	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	634.96195:
0.5	\$3,568,355.39	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	635.96195:
1.5	\$3,581,731.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	636.96195:
2.5	\$3,581,731.43	\$11,671.00	0.003258	0.996742	1.000000	1.000000	0.000000	637.96195:
3.5	\$3,570,417.43	\$0.00	0.000000	1.000000	0.993494	0.996742	0.003258	638.96195:
4.5	\$3,549,527.43	\$9,029.00	0.002544	0.997456	1.000000	1.000000	0.000000	639.95544:
5.5	\$3,529,591.97	\$4,186.00	0.001186	0.998814	0.994919	0.997456	0.002544	640.95544:
6.5	\$3,358,019.75	\$9,328.00	0.002778	0.997222	0.997629	0.998814	0.001186	641.95036:
7.5	\$3,348,691.75	\$35,332.00	0.010551	0.989449	0.994452	0.997222	0.002778	642.94799:
8.5	\$3,110,470.40	\$7,042.00	0.002264	0.997736	0.979009	0.989449	0.010551	643.94244:
9.5	\$2,546,590.63	\$37,567.00	0.014752	0.985248	0.995477	0.997736	0.002264	644.92145:
10.5	\$2,511,719.93	\$104,602.00	0.041646	0.958354	0.970714	0.985248	0.014752	645.91693:
11.5	\$2,407,284.93	\$105,536.00	0.043840	0.956160	0.918443	0.958354	0.041646	646.88764:
12.5	\$2,302,366.46	\$13,026.00	0.005658	0.994342	0.914241	0.956160	0.043840	647.80609:
13.5	\$1,731,595.07	\$3,644.00	0.002104	0.997896	0.988717	0.994342	0.005658	648.72033:
14.5	\$1,728,251.07	\$47.00	0.000027	0.999973	0.995796	0.997896	0.002104	649.70905:
15.5	\$1,613,084.60	\$18,686.84	0.011585	0.988415	0.999946	0.999973	0.000027	650.70484:
16.5	\$1,441,978.68	\$4,954.55	0.003436	0.996564	0.976965	0.988415	0.011585	651.70479:
17.5	\$1,437,468.13	\$54,223.00	0.037721	0.962279	0.993140	0.996564	0.003436	652.68175:
18.5	\$1,383,496.13	\$18,012.94	0.013020	0.986980	0.925981	0.962279	0.037721	653.67489:
19.5	\$1,366,467.19	\$3,462.85	0.002534	0.997466	0.974130	0.986980	0.013020	654.60087:
20.5	\$1,366,356.34	\$2,652.00	0.001941	0.998059	0.994938	0.997466	0.002534	655.57500:
21.5	\$1,367,764.34	\$470.00	0.000344	0.999656	0.996122	0.998059	0.001941	656.56994:
22.5	\$1,368,969.34	\$15,092.37	0.011025	0.988975	0.999313	0.999656	0.000344	657.56606:
23.5	\$1,341,061.03	\$606.00	0.000452	0.999548	0.978072	0.988975	0.011025	658.56538:
24.5	\$1,161,184.22	\$36,352.91	0.031307	0.968693	0.999096	0.999548	0.000452	659.54345:
25.5	\$996,334.18	\$820,164.14	0.823182	0.176818	0.938367	0.968693	0.031307	660.54254:
26.5	\$134,783.45	\$119,863.57	0.889305	0.110695	0.031265	0.176818	0.823182	661.48091:
27.5	\$14,919.88	\$0.00	0.000000	1.000000	0.012253	0.110695	0.889305	661.51218:
28.5	\$14,919.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	661.52443:
29.5	\$15,283.88	\$120.00	0.007851	0.992149	1.000000	1.000000	0.000000	662.52443:
30.5	\$15,163.88	\$346.00	0.022817	0.977183	0.984359	0.992149	0.007851	663.52443:
31.5	\$14,817.88	\$400.00	0.026994	0.973006	0.954886	0.977183	0.022817	664.50879:
32.5	\$14,658.88	\$300.00	0.020465	0.979535	0.946740	0.973006	0.026994	665.46367:
33.5	\$15,191.88	\$123.00	0.008096	0.991904	0.959488	0.979535	0.020465	666.41041:
34.5	\$15,068.88	\$760.00	0.050435	0.949565	0.983873	0.991904	0.008096	667.36990:
35.5	\$14,308.88	\$712.81	0.049816	0.950184	0.901674	0.949565	0.050435	668.35377:
36.5	\$13,616.07	\$0.00	0.000000	1.000000	0.902850	0.950184	0.049816	669.25545:
37.5	\$13,832.07	\$366.00	0.026460	0.973540	1.000000	1.000000	0.000000	670.15830:
38.5	\$14,301.07	\$1,850.54	0.129399	0.870601	0.947780	0.973540	0.026460	671.15830:
39.5	\$14,639.53	\$319.00	0.021790	0.978210	0.757947	0.870601	0.129399	672.10608:
40.5	\$16,837.53	\$461.00	0.027379	0.972621	0.956894	0.978210	0.021790	672.86402:
41.5	\$16,475.53	\$1,226.53	0.074446	0.925554	0.945991	0.972621	0.027379	673.82092:
42.5	\$15,249.00	\$318.00	0.020854	0.979146	0.856651	0.925554	0.074446	674.76691:
43.5	\$14,931.00	\$200.00	0.013395	0.986605	0.958727	0.979146	0.020854	675.62356:
44.5	\$14,731.00	\$0.00	0.000000	1.000000	0.973390	0.986605	0.013395	676.58229:
45.5	\$15,489.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	677.55568:
46.5	\$15,489.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	678.55568:
47.5	\$15,489.00	\$1,114.00	0.071922	0.928078	1.000000	1.000000	0.000000	679.55568:
48.5	\$14,375.00	\$2,763.00	0.192209	0.807791	0.861329	0.928078	0.071922	680.55568:
49.5	\$11,612.00	\$3,349.00	0.288409	0.711591	0.652527	0.807791	0.192209	681.41701:
50.5	\$8,263.00	\$1,615.00	0.195450	0.804550	0.506362	0.711591	0.288409	682.06953:
51.5	\$6,648.00	\$0.00	0.000000	1.000000	0.647301	0.804550	0.195450	682.57589:
52.5	\$6,648.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	683.22320:

San Diego Gas & Electric Company
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Observed Life Report

Account: C395.10-Laboratory Eq -Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$6,648.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	684.22320	
54.5	\$6,648.00	\$833.00	0.125301	0.874699	1.000000	1.000000	0.000000	685.22320	
55.5	\$5,815.00	\$80.00	0.013758	0.986242	0.765099	0.874699	0.125301	686.22320	
56.5	\$5,735.00	\$278.00	0.048474	0.951526	0.972674	0.986242	0.013758	686.98829	
57.5	\$5,457.00	\$523.00	0.095840	0.904160	0.905401	0.951526	0.048474	687.96097	
58.5	\$4,934.00	\$0.00	0.000000	1.000000	0.817505	0.904160	0.095840	688.86637	
59.5	\$4,934.00	\$99.00	0.020065	0.979935	1.000000	1.000000	0.000000	689.68388	
60.5	\$4,835.00	\$0.00	0.000000	1.000000	0.960273	0.979935	0.020065	690.68388	
61.5	\$4,835.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	691.64415	
62.5	\$4,835.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	692.64415	
63.5	\$4,835.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	693.64415	
64.5	\$4,835.00	\$342.00	0.070734	0.929266	1.000000	1.000000	0.000000	694.64415	
65.5	\$4,493.00	\$1,263.00	0.281104	0.718896	0.863535	0.929266	0.070734	695.64415	
66.5	\$3,230.00	\$2,517.00	0.779257	0.220743	0.516812	0.718896	0.281104	696.50768	
67.5	\$713.00	\$0.00	0.000000	1.000000	0.048727	0.220743	0.779257	697.02449	
68.5	\$713.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	697.07322	
69.5	\$713.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	698.07322	
70.5	\$713.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	699.07322	
71.5	\$713.00	\$713.00	1.000000	0.000000	1.000000	1.000000	0.000000	700.07322	
72.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	701.07322	
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	701.07322	
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	702.07322	
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	703.07322	
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	704.07322	
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	705.07322	
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	706.07322	
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	707.07322	
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	708.07322	
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	709.07322	
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	710.07322	
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	711.07322	
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	712.07322	
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	713.07322	
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	714.07322	
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	715.07322	
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	716.07322	
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	717.07322	
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	718.07322	
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	719.07322	
92.5					1.000000	1.000000	0.000000	720.07322	

San Diego Gas & Electric Company
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Observed Life Report

Account: C397.10-Commun Equip -Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$287,638,628.20	\$22,277.00	0.000077	0.999923	0.999845
0.5	\$296,287,594.55	\$9,321,789.69	0.031462	0.968538	0.999845
1.5	\$263,844,413.87	\$294,622.92	0.001117	0.998883	0.938066
2.5	\$197,896,439.35	\$251,670.78	0.001272	0.998728	0.997768
3.5	\$174,394,084.69	\$499,949.90	0.002867	0.997133	0.997458
4.5	\$162,421,589.26	\$322,347.00	0.001985	0.998015	0.994275
5.5	\$152,356,054.00	\$1,566,536.01	0.010282	0.989718	0.996035
6.5	\$133,354,901.80	\$447,246.00	0.003354	0.996646	0.979542
7.5	\$128,846,894.83	\$579,354.06	0.004496	0.995504	0.993304
8.5	\$119,545,919.48	\$2,267,537.00	0.018968	0.981032	0.991027
9.5	\$116,015,355.04	\$422,605.82	0.003643	0.996357	0.962424
10.5	\$113,626,676.11	\$219,461.98	0.001931	0.998069	0.992728
11.5	\$110,155,287.59	\$207,183.00	0.001881	0.998119	0.996141
12.5	\$104,232,632.37	\$61,723,527.45	0.592171	0.407829	0.996242
13.5	\$25,712,128.89	\$14,335,148.63	0.557525	0.442475	0.166325
14.5	\$11,336,788.26	\$302,494.95	0.026683	0.973317	0.195784
15.5	\$10,870,772.91	\$520,022.93	0.047837	0.952163	0.947347
16.5	\$10,333,791.69	\$131,527.19	0.012728	0.987272	0.906615
17.5	\$10,146,330.66	\$302,463.36	0.029810	0.970190	0.974706
18.5	\$9,917,236.39	\$224,245.77	0.022612	0.977388	0.941268
19.5	\$9,029,623.09	\$128,622.43	0.014244	0.985756	0.955288
20.5	\$8,716,730.38	\$181,513.55	0.020824	0.979176	0.971714
21.5	\$8,196,176.15	\$117,467.02	0.014332	0.985668	0.958786
22.5	\$703,200.42	\$83,810.40	0.119184	0.880816	0.971542
23.5	\$554,518.57	\$109,079.73	0.196711	0.803289	0.775836
24.5	\$445,959.95	\$65,981.07	0.147953	0.852047	0.645274
25.5	\$385,586.19	\$43,455.10	0.112699	0.887301	0.725984
26.5	\$335,235.09	\$28,260.53	0.084301	0.915699	0.787303
27.5	\$295,100.56	\$36,826.80	0.124794	0.875206	0.838505
28.5	\$260,062.76	\$25,070.37	0.096401	0.903599	0.765985
29.5	\$204,762.39	\$17,618.85	0.086045	0.913955	0.816491
30.5	\$195,008.96	\$25,907.57	0.132853	0.867147	0.835313
31.5	\$169,787.68	\$9,825.30	0.057868	0.942132	0.751944
32.5	\$139,241.38	\$7,773.62	0.055828	0.944172	0.887612
33.5	\$102,199.76	\$7,001.18	0.068505	0.931495	0.891460
34.5	\$95,099.58	\$25,801.44	0.271310	0.728690	0.867683
35.5	\$69,277.14	\$7,461.91	0.107711	0.892289	0.530990
36.5	\$62,070.86	\$3,927.83	0.063280	0.936720	0.796180
37.5	\$58,053.03	\$1,961.25	0.033784	0.966216	0.877445
38.5	\$56,091.78	\$10,077.31	0.179658	0.820342	0.933574
39.5	\$46,014.47	\$1,848.99	0.040183	0.959817	0.672962
40.5	\$44,279.48	\$976.95	0.022063	0.977937	0.921249
41.5	\$43,490.48	\$8,207.84	0.188727	0.811273	0.956360
42.5	\$35,361.64	\$4,445.18	0.125706	0.874294	0.658163
43.5	\$17,490.64	\$4,803.00	0.274604	0.725396	0.764390
44.5	\$7,820.64	\$9,749.05	1.246580	-0.246580	0.526199
45.5	\$2,497.00	\$59.00	0.023628	0.976372	0.060801
46.5	\$2,563.00	\$902.00	0.351931	0.648069	0.953302
47.5	\$1,741.00	\$80.00	0.045951	0.954049	0.419993
48.5	\$1,668.00	\$237.00	0.142086	0.857914	0.910210
49.5	\$1,339.00	\$1,232.00	0.920090	0.079910	0.736016
50.5	\$107.00	\$0.00	0.000000	1.000000	0.006386
51.5	\$44.00	\$0.00	0.000000	1.000000	1.000000
52.5	\$44.00	\$0.00	0.000000	1.000000	1.000000

San Diego Gas & Electric Company
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Observed Life Report

Account: C397.10-Commun Equip -Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	765.21091	
54.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	766.21091	
55.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	767.21091	
56.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	768.21091	
57.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	769.21091	
58.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	770.21091	
59.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	771.21091	
60.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	772.21091	
61.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	773.21091	
62.5	\$44.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	774.21091	
63.5	\$44.00	\$44.00	1.000000	0.000000	1.000000	1.000000	0.000000	775.21091	
64.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	776.21091	
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	776.21091	
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	777.21091	
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	778.21091	
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	779.21091	
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	780.21091	
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	781.21091	
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	782.21091	
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	783.21091	
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	784.21091	
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	785.21091	
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	786.21091	
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	787.21091	
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	788.21091	
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	789.21091	
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	790.21091	
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	791.21091	
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	792.21091	
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	793.21091	
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	794.21091	
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	795.21091	
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	796.21091	
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	797.21091	
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	798.21091	
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	799.21091	
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	800.21091	
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	801.21091	
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	802.21091	
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	803.21091	
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	804.21091	
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	805.21091	
95.5					1.000000	1.000000	0.000000	806.21091	

San Diego Gas & Electric Company
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Observed Life Report

Account: C398.10-Misc Equip - Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$9,144,673.93	\$198,869.00	0.021747	0.978253	0.956979
0.5	\$7,732,193.42	\$1,554.00	0.000201	0.999799	0.956979
1.5	\$7,701,340.55	\$1,213,608.00	0.157584	0.842416	0.999598
2.5	\$6,543,178.78	\$209,350.38	0.031995	0.968005	0.709665
3.5	\$6,424,764.09	\$80,760.00	0.012570	0.987430	0.937033
4.5	\$6,005,811.84	\$74,924.00	0.012475	0.987525	0.975018
5.5	\$5,827,885.47	\$124,118.66	0.021297	0.978703	0.975205
6.5	\$5,567,273.61	\$105,480.00	0.018946	0.981054	0.957859
7.5	\$5,170,721.83	\$84,739.82	0.016388	0.983612	0.962466
8.5	\$5,018,807.73	\$159,850.61	0.031850	0.968150	0.967492
9.5	\$4,880,877.57	\$79,449.00	0.016278	0.983722	0.937314
10.5	\$4,738,842.81	\$69,254.08	0.014614	0.985386	0.967710
11.5	\$4,660,541.05	\$70,262.33	0.015076	0.984924	0.970985
12.5	\$4,526,007.37	\$107,320.00	0.023712	0.976288	0.970075
13.5	\$3,766,968.97	\$1,315,576.85	0.349240	0.650760	0.953139
14.5	\$2,407,156.85	\$1,324,687.62	0.550312	0.449688	0.423488
15.5	\$1,048,021.46	\$264,692.71	0.252564	0.747436	0.202219
16.5	\$772,223.18	\$85,357.22	0.110534	0.889466	0.558660
17.5	\$686,578.62	\$88,100.17	0.128318	0.871682	0.791149
18.5	\$591,546.45	\$47,292.84	0.079948	0.920052	0.759830
19.5	\$534,218.61	\$97,972.97	0.183395	0.816605	0.846496
20.5	\$432,611.64	\$25,107.07	0.058036	0.941964	0.666844
21.5	\$402,723.57	\$28,598.95	0.071014	0.928986	0.887296
22.5	\$378,791.62	\$28,719.61	0.075819	0.924181	0.863015
23.5	\$342,948.01	\$48,462.66	0.141312	0.858688	0.854110
24.5	\$293,890.35	\$29,745.04	0.101211	0.898789	0.737345
25.5	\$265,824.31	\$55,318.54	0.208102	0.791898	0.807821
26.5	\$202,257.77	\$18,167.91	0.089826	0.910174	0.627103
27.5	\$184,839.86	\$24,360.18	0.131791	0.868209	0.828418
28.5	\$154,231.68	\$15,955.22	0.103450	0.896550	0.753787
29.5	\$138,179.46	\$14,918.51	0.107965	0.892035	0.803802
30.5	\$89,573.95	\$13,849.42	0.154614	0.845386	0.795727
31.5	\$75,986.53	\$9,576.50	0.126029	0.873971	0.714677
32.5	\$65,220.03	\$5,538.65	0.084923	0.915077	0.763825
33.5	\$61,825.38	\$7,946.00	0.128523	0.871477	0.837367
34.5	\$54,483.38	\$7,932.63	0.145597	0.854403	0.759472
35.5	\$46,278.75	\$3,029.13	0.065454	0.934546	0.730004
36.5	\$42,273.62	\$5,992.30	0.141750	0.858250	0.873376
37.5	\$36,556.32	\$3,958.72	0.108291	0.891709	0.736592
38.5	\$36,624.60	\$4,756.45	0.129870	0.870130	0.795145
39.5	\$32,965.15	\$2,432.65	0.073795	0.926205	0.757126
40.5	\$30,861.50	\$3,316.32	0.107458	0.892542	0.857856
41.5	\$27,108.18	\$5,803.64	0.214092	0.785908	0.796631
42.5	\$23,095.54	\$2,589.23	0.112110	0.887890	0.617652
43.5	\$20,270.31	\$1,932.99	0.095361	0.904639	0.788349
44.5	\$19,224.32	\$3,387.23	0.176195	0.823805	0.818372
45.5	\$17,149.09	\$2,497.43	0.145630	0.854370	0.678655
46.5	\$15,553.66	\$1,909.66	0.122779	0.877221	0.729947
47.5	\$14,103.00	\$455.00	0.032263	0.967737	0.769517
48.5	\$13,685.00	\$1,660.00	0.121301	0.878699	0.936516
49.5	\$12,125.00	\$4,774.00	0.393732	0.606268	0.772112
50.5	\$6,782.00	\$946.00	0.139487	0.860513	0.367561
51.5	\$5,116.00	\$0.00	0.000000	1.000000	0.740483
52.5	\$5,116.00	\$663.00	0.129593	0.870407	1.000000

San Diego Gas & Electric Company
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Observed Life Report

Account: C398.10-Misc Equip - Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$4,453.00	\$20.00	0.004491	0.995509	0.757608	0.870407	0.129593	850.45677:
54.5	\$4,433.00	\$714.00	0.161065	0.838935	0.991037	0.995509	0.004491	851.21438:
55.5	\$3,719.00	\$734.00	0.197365	0.802635	0.703812	0.838935	0.161065	852.20542:
56.5	\$2,985.00	\$444.00	0.148744	0.851256	0.644223	0.802635	0.197365	852.90923:
57.5	\$2,541.00	\$0.00	0.000000	1.000000	0.724637	0.851256	0.148744	853.55345:
58.5	\$2,541.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	854.27809:
59.5	\$2,813.00	\$315.00	0.111980	0.888020	1.000000	1.000000	0.000000	855.27809:
60.5	\$2,498.00	\$61.00	0.024420	0.975580	0.788579	0.888020	0.111980	856.27809:
61.5	\$2,830.00	\$0.00	0.000000	1.000000	0.951757	0.975580	0.024420	857.06667:
62.5	\$4,410.00	\$265.00	0.060091	0.939909	1.000000	1.000000	0.000000	858.01842:
63.5	\$4,145.00	\$487.00	0.117491	0.882509	0.883429	0.939909	0.060091	859.01842:
64.5	\$3,658.00	\$0.00	0.000000	1.000000	0.778822	0.882509	0.117491	859.90185:
65.5	\$3,658.00	\$459.00	0.125478	0.874522	1.000000	1.000000	0.000000	860.68068
66.5	\$3,199.00	\$0.00	0.000000	1.000000	0.764788	0.874522	0.125478	861.68068
67.5	\$3,199.00	\$541.00	0.169115	0.830885	1.000000	1.000000	0.000000	862.44546:
68.5	\$2,658.00	\$0.00	0.000000	1.000000	0.690369	0.830885	0.169115	863.44546:
69.5	\$2,658.00	\$271.00	0.101956	0.898044	1.000000	1.000000	0.000000	864.13583:
70.5	\$2,387.00	\$414.00	0.173439	0.826561	0.806482	0.898044	0.101956	865.13583:
71.5	\$1,973.00	\$393.00	0.199189	0.800811	0.683202	0.826561	0.173439	865.94232:
72.5	\$1,580.00	\$1,580.00	1.000000	0.000000	0.641298	0.800811	0.199189	866.62552:
73.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	867.26682
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	867.26682
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	868.26682
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	869.26682
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	870.26682
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	871.26682
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	872.26682
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	873.26682
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	874.26682
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	875.26682
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	876.26682
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	877.26682
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	878.26682
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	879.26682
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	880.26682
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	881.26682
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	882.26682
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	883.26682
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	884.26682
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	885.26682
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	886.26682
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	887.26682
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	888.26682
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	889.26682
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	890.26682
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	891.26682
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	892.26682
100.5					1.000000	1.000000	0.000000	893.26682

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E303- Misc Intangible Plt (SL)
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$146,779,950.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	894.26682	
0.5	\$163,854,329.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	895.26682	
1.5	\$151,174,531.53	\$195,811.46	0.001295	0.998705	1.000000	1.000000	0.000000	896.26682	
2.5	\$120,237,379.71	\$458,396.70	0.003812	0.996188	0.997411	0.998705	0.001295	897.26682	
3.5	\$102,663,000.50	\$349,723.57	0.003407	0.996593	0.992390	0.996188	0.003812	898.26423	
4.5	\$34,175,784.00	\$1,462,459.18	0.042792	0.957208	0.993199	0.996593	0.003407	899.25662	
5.5	\$26,282,357.59	\$2,306,939.38	0.087775	0.912225	0.916247	0.957208	0.042792	900.24982	
6.5	\$23,975,418.21	\$7,961,943.61	0.332088	0.667912	0.832154	0.912225	0.087775	901.16606	
7.5	\$16,013,474.60	\$2,315,218.14	0.144579	0.855421	0.446107	0.667912	0.332088	901.99822	
8.5	\$13,730,256.46	\$1,074,224.21	0.078238	0.921762	0.731744	0.855421	0.144579	902.44432	
9.5	\$12,792,032.25	\$2,740,744.57	0.214254	0.785746	0.849646	0.921762	0.078238	903.17607	
10.5	\$10,051,287.68	\$3,619,091.67	0.360062	0.639938	0.617397	0.785746	0.214254	904.02571	
11.5	\$6,432,196.01	\$6,432,196.01	1.000000	0.000000	0.409520	0.639938	0.360062	904.64311	
12.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	905.05263	
13.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	905.05263	
14.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	906.05263	
15.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	907.05263	
16.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	908.05263	
17.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	909.05263	
18.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	910.05263	
19.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	911.05263	
20.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	912.05263	
21.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	913.05263	
22.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	914.05263	
23.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	915.05263	
24.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	916.05263	
25.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	917.05263	
26.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	918.05263	
27.5					1.000000	1.000000	0.000000	919.05263	

Observed Life Report

Account: E344.00-Generators-CPEP
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$886,091.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	920.05263:	
0.5	\$886,091.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	921.05263:	
1.5	\$1,981,319.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	922.05263:	
2.5	\$1,981,319.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	923.05263:	
3.5	\$1,152,699.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	924.05263:	
4.5					1.000000	1.000000	0.000000	925.05263:	

San Diego Gas & Electric Company
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Observed Life Report

Account: E344.00-Generators-DSEC
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$59,249.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	926.05263:	
0.5	\$59,249.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	927.05263:	
1.5	\$59,249.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	928.05263:	
2.5	\$5,438,499.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	929.05263:	
3.5	\$13,759,285.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	930.05263:	
4.5	\$16,947,451.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	931.05263:	
5.5	\$11,923,129.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	932.05263:	
6.5	\$17,373,531.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	933.05263:	
7.5	\$14,185,365.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	934.05263:	
8.5	\$84,362,668.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	935.05263:	
9.5	\$70,532,231.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	936.05263:	
10.5	\$70,532,231.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	937.05263:	
11.5					1.000000	1.000000	0.000000	938.05263:	
13.5	\$6,394,296.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	939.05263:	
14.5	\$6,394,296.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	940.05263:	
15.5	\$6,394,296.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	941.05263:	
16.5					1.000000	1.000000	0.000000	942.05263:	

Observed Life Report

Account: E344.00-Generators-Miramar
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$7,051,365.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	943.05263:	
0.5	\$7,051,365.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	944.05263:	
1.5	\$7,051,365.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	945.05263:	
2.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	946.05263:	
3.5	\$1,887.54	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	947.05263:	
4.5	\$8,626,592.54	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	948.05263:	
5.5	\$8,626,592.54	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	949.05263:	
6.5	\$8,625,345.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	950.05263:	
7.5	\$882,223.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	951.05263:	
8.5	\$4,057,891.91	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	952.05263:	
9.5	\$4,057,251.91	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	953.05263:	
10.5	\$3,175,668.77	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	954.05263:	
11.5					1.000000	1.000000	0.000000	955.05263:	

San Diego Gas & Electric Company
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Observed Life Report

Account: E344.00-Generators-Palomar
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	(\$3,669,713.56)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	956.05263	
0.5	(\$4,751,014.15)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	957.05263	
1.5	(\$3,517,863.98)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	958.05263	
2.5	(\$2,348,148.45)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	959.05263	
3.5	\$1,047,138.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	960.05263	
4.5	\$8,644,842.26	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	961.05263	
5.5	\$18,500,206.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	962.05263	
6.5	\$17,813,285.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	963.05263	
7.5	\$162,613,576.28	\$197,195.00	0.001213	0.998787	1.000000	1.000000	0.000000	964.05263	
8.5	\$152,369,814.40	\$0.00	0.000000	1.000000	0.997576	0.998787	0.001213	965.05263	
9.5	\$152,369,814.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	966.05021	
10.5					1.000000	1.000000	0.000000	967.05021	

Observed Life Report

Account: E344.10-Generators - Solar
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$4,121,006.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	968.05021	
0.5	\$5,572,145.05	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	969.05021	
1.5	\$13,480,757.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	970.05021	
2.5	\$17,993,187.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	971.05021	
3.5	\$24,090,061.13	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	972.05021	
4.5	\$23,913,509.62	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	973.05021	
5.5	\$18,359,062.83	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	974.05021	
6.5	\$10,226,445.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	975.05021	
7.5	\$2,553,408.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	976.05021	
8.5	\$1,686,444.06	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	977.05021	
9.5	\$237,859.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	978.05021	
10.5	\$237,859.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	979.05021	
11.5	\$237,859.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	980.05021	
12.5					1.000000	1.000000	0.000000	981.05021	

Observed Life Report

Account: E344.20 - Generators - Wind
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$257,070.59	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	982.05021	
0.5	\$257,070.59	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	983.05021	
1.5	\$257,070.59	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	984.05021	
2.5	\$257,070.59	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	985.05021	
3.5					1.000000	1.000000	0.000000	986.05021	

Observed Life Report

Account: E345.00-Access Elect Eq -CPEP

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$27,288.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	987.05021	
0.5	\$27,288.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	988.05021	
1.5	\$833,676.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	989.05021	
2.5	\$833,676.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	990.05021	
3.5	\$806,388.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	991.05021	
4.5					1.000000	1.000000	0.000000	992.05021	

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Observed Life Report

Account: E345.00-Access Elect Eq -DSEC

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$84,188.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	993.05021	
0.5	\$84,188.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	994.05021	
1.5	\$168,863.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	995.05021	
2.5	\$168,863.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	996.05021	
3.5	\$84,674.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	997.05021	
4.5	\$1,884,190.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	998.05021	
5.5	\$1,884,190.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	999.05021	
6.5	\$1,913,450.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1000.0502	
7.5	\$29,260.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1001.0502	
8.5	\$6,608,150.12	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1002.0502	
9.5	\$6,578,890.12	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1003.0502	
10.5	\$6,578,890.12	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1004.0502	
11.5					1.000000	1.000000	0.000000	1005.0502	
13.5	\$533,010.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1006.0502	
14.5	\$533,010.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1007.0502	
15.5	\$533,010.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1008.0502	
16.5					1.000000	1.000000	0.000000	1009.0502	

San Diego Gas & Electric Company
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Observed Life Report

Account: E345.00-Access Elect Eq -Miramar

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$19,585.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1010.0502
0.5	\$19,585.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1011.0502
1.5	\$19,585.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1012.0502
2.5	\$1,578,304.19	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1013.0502
3.5	\$1,558,718.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1014.0502
4.5	\$9,039,329.03	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1015.0502
5.5	\$7,480,610.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1016.0502
6.5	\$7,480,610.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1017.0502
7.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1018.0502
8.5	\$4,398,008.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1019.0502
9.5	\$4,398,008.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1020.0502
10.5	\$4,398,008.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1021.0502
11.5					1.000000	1.000000	0.000000	1022.0502

San Diego Gas & Electric Company
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Observed Life Report

Account: E345.00-Access Elect Eq-Palomar
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$714,699.82	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1023.0502	
0.5	\$710,154.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1024.0502	
1.5	\$714,869.80	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1025.0502	
2.5	\$2,628,422.62	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1026.0502	
3.5	\$2,130,197.11	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1027.0502	
4.5	\$2,773,730.08	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1028.0502	
5.5	\$686,572.79	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1029.0502	
6.5	\$648,248.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1030.0502	
7.5	\$3,217,258.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1031.0502	
8.5	\$3,217,258.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1032.0502	
9.5	\$3,217,258.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1033.0502	
10.5					1.000000	1.000000	0.000000	1034.0502	

Observed Life Report

Account: E345.10-Access Elect Eq -Solar

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
4.5	\$1,279,602.22	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1035.0502	
5.5	\$1,655,166.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1036.0502	
6.5	\$2,177,311.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1037.0502	
7.5	\$897,708.87	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1038.0502	
8.5	\$522,144.67	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1039.0502	
9.5	\$138,391.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1040.0502	
10.5	\$138,391.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1041.0502	
11.5	\$138,391.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1042.0502	
12.5					1.000000	1.000000	0.000000	1043.0502	

Observed Life Report

Account: E346.00-Misc Power Plnt Eq -CPEP

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$298,074.77	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1044.0502	
0.5	\$298,074.77	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1045.0502	
1.5	\$714,712.99	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1046.0502	
2.5	\$712,659.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1047.0502	
3.5	\$416,638.22	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1048.0502	
4.5					1.000000	1.000000	0.000000	1049.0502	

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Observed Life Report

Account: E346.00-Misc Power Plnt Eq -DSEC
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$37,778.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1050.0502
0.5	\$37,778.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1051.0502
1.5	\$177,096.05	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1052.0502
2.5	\$186,784.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1053.0502
3.5	\$296,094.50	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1054.0502
4.5	\$185,979.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1055.0502
5.5	\$172,863.15	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1056.0502
6.5	\$57,188.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1057.0502
7.5	\$27,986.59	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1058.0502
8.5	\$20,048,457.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1059.0502
9.5	\$20,020,470.42	\$20,334.99	0.001016	0.998984	1.000000	1.000000	0.000000	1060.0502
10.5	\$20,000,135.43	\$0.00	0.000000	1.000000	0.997970	0.998984	0.001016	1061.0502
11.5	\$2,916.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1062.0481
12.5	\$2,916.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1063.0481
13.5	\$1,805,407.22	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1064.0481
14.5	\$1,955,911.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1065.0481
15.5	\$1,955,911.14	\$8,200.22	0.004193	0.995807	1.000000	1.000000	0.000000	1066.0481
16.5	\$145,220.65	\$0.00	0.000000	1.000000	0.991633	0.995807	0.004193	1067.0481
17.5					1.000000	1.000000	0.000000	1068.0398

Observed Life Report

Account: E346.00-Misc Power Plnt Eq -Miramar
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$330,289.63	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1069.0398
0.5	\$330,289.63	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1070.0398
1.5	\$2,567,453.62	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1071.0398
2.5	\$630,501.31	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1072.0398
3.5	\$342,257.31	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1073.0398
4.5	\$189,812.03	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1074.0398
5.5	\$84,794.63	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1075.0398
6.5	\$42,749.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1076.0398
7.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1077.0398
8.5	\$359,057.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1078.0398
9.5	\$359,057.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1079.0398
10.5	\$359,057.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1080.0398
11.5					1.000000	1.000000	0.000000	1081.0398

Observed Life Report

Account: E346.00-Misc Power Plnt Eq -Palomar
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$859.19	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1082.0398	
0.5	\$859.19	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1083.0398	
1.5	\$859.19	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1084.0398	
2.5					1.000000	1.000000	0.000000	1085.0398	

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Observed Life Report

Account: E361.00-Struct. and Improv.
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$10,221,182.80	\$4,509.01	0.000441	0.999559	0.999118
0.5	\$9,905,259.49	\$60,333.00	0.006091	0.993909	0.999118
1.5	\$8,879,237.22	\$475.00	0.000053	0.999947	0.987855
2.5	\$5,718,914.34	\$17,191.00	0.003006	0.996994	0.999893
3.5	\$4,524,489.68	\$5,609.00	0.001240	0.998760	0.993997
4.5	\$5,461,893.98	\$63,136.97	0.011560	0.988440	0.997522
5.5	\$5,263,233.36	\$0.00	0.000000	1.000000	0.977015
6.5	\$5,744,752.04	\$1,813.90	0.000316	0.999684	1.000000
7.5	\$5,852,820.30	\$70,068.19	0.011972	0.988028	0.999369
8.5	\$6,127,452.53	\$1,781.89	0.000291	0.999709	0.976200
9.5	\$6,214,326.24	\$101,508.00	0.016335	0.983665	0.999418
10.5	\$6,091,533.17	\$5,862.94	0.000962	0.999038	0.967598
11.5	\$6,018,891.97	\$1,748.00	0.000290	0.999710	0.998076
12.5	\$6,034,411.64	\$0.00	0.000000	1.000000	0.999419
13.5	\$6,086,393.28	\$2,452.00	0.000403	0.999597	1.000000
14.5	\$4,610,622.84	\$300.00	0.000065	0.999935	0.999194
15.5	\$3,614,341.01	\$4,430.00	0.001226	0.998774	0.999870
16.5	\$3,396,832.48	\$8,572.00	0.002524	0.997476	0.997550
17.5	\$2,912,142.76	\$791.00	0.000272	0.999728	0.994959
18.5	\$2,680,448.69	\$22,413.00	0.008362	0.991638	0.999457
19.5	\$2,169,025.45	\$4,086.92	0.001884	0.998116	0.983347
20.5	\$1,903,556.27	\$5,632.00	0.002959	0.997041	0.996235
21.5	\$1,813,860.36	\$3,016.00	0.001663	0.998337	0.994091
22.5	\$1,756,857.84	\$5,146.00	0.002929	0.997071	0.996677
23.5	\$1,336,227.29	\$9,198.99	0.006884	0.993116	0.994150
24.5	\$1,268,946.25	\$8,340.99	0.006573	0.993427	0.986279
25.5	\$964,461.69	\$2,249.00	0.002332	0.997668	0.986897
26.5	\$939,761.34	\$1,082.00	0.001151	0.998849	0.995342
27.5	\$921,166.40	\$862.00	0.000936	0.999064	0.997699
28.5	\$913,587.33	\$5,135.65	0.005621	0.994379	0.998129
29.5	\$867,792.81	\$0.00	0.000000	1.000000	0.988789
30.5	\$849,733.12	\$2,800.00	0.003295	0.996705	1.000000
31.5	\$844,982.02	\$3,020.99	0.003575	0.996425	0.993421
32.5	\$802,152.85	\$926.25	0.001155	0.998845	0.992862
33.5	\$798,695.51	\$20,402.51	0.025545	0.974455	0.997692
34.5	\$570,115.41	\$16,180.90	0.028382	0.971618	0.949563
35.5	\$550,270.51	\$31,923.94	0.058015	0.941985	0.944042
36.5	\$516,525.72	\$8,061.71	0.015608	0.984392	0.887336
37.5	\$522,704.99	\$18,351.25	0.035108	0.964892	0.969028
38.5	\$508,419.53	\$8,799.63	0.017308	0.982692	0.931016
39.5	\$493,601.92	\$1,606.26	0.003254	0.996746	0.965684
40.5	\$490,679.66	\$24,947.39	0.050843	0.949157	0.993502
41.5	\$516,637.28	\$32,272.07	0.062466	0.937534	0.900900
42.5	\$484,277.47	\$9,843.38	0.020326	0.979674	0.878971
43.5	\$409,856.90	\$412.74	0.001007	0.998993	0.959761
44.5	\$389,811.21	\$3,180.00	0.008158	0.991842	0.997987
45.5	\$392,777.15	\$7,070.65	0.018002	0.981998	0.983751
46.5	\$363,755.86	\$2,629.23	0.007228	0.992772	0.964321
47.5	\$358,551.84	\$636.62	0.001776	0.998224	0.985596
48.5	\$323,342.39	\$18,476.31	0.057142	0.942858	0.996452
49.5	\$289,996.20	\$0.00	0.000000	1.000000	0.888982
50.5	\$305,966.72	\$3,522.31	0.011512	0.988488	1.000000
51.5	\$300,904.95	\$289.31	0.000961	0.999039	0.977108
52.5	\$271,451.46	\$1,155.33	0.004256	0.995744	0.998078

San Diego Gas & Electric Company
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Observed Life Report

Account: E361.00-Struct. and Improv.
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative			
			Retired	Surviving	Proportion	Surviving	Surviving	
53.5	\$350,885.80	\$324.09	0.000924	0.999076	0.991506	0.995744	0.004256	1138.9991;
54.5	\$338,381.73	\$2,467.33	0.007292	0.992708	0.998154	0.999076	0.000924	1139.9906;
55.5	\$341,187.26	\$10,891.00	0.031921	0.968079	0.985470	0.992708	0.007292	1140.9887;
56.5	\$342,326.52	\$0.00	0.000000	1.000000	0.937177	0.968079	0.031921	1141.9742;
57.5	\$441,158.99	\$288.81	0.000655	0.999345	1.000000	1.000000	0.000000	1142.9114;
58.5	\$438,404.49	\$567.62	0.001295	0.998705	0.998691	0.999345	0.000655	1143.9114;
59.5	\$457,571.35	\$433.28	0.000947	0.999053	0.997412	0.998705	0.001295	1144.9101;
60.5	\$450,265.30	\$32,919.74	0.073112	0.926888	0.998107	0.999053	0.000947	1145.9075;
61.5	\$416,559.57	\$27,647.00	0.066370	0.933630	0.859122	0.926888	0.073112	1146.9056;
62.5	\$358,734.45	\$288.74	0.000805	0.999195	0.871665	0.933630	0.066370	1147.7647;
63.5	\$351,416.31	\$2,019.02	0.005745	0.994255	0.998391	0.999195	0.000805	1148.6364;
64.5	\$310,522.10	\$0.00	0.000000	1.000000	0.988542	0.994255	0.005745	1149.6348;
65.5	\$308,435.16	\$29,668.76	0.096191	0.903809	1.000000	1.000000	0.000000	1150.6233;
66.5	\$277,431.09	\$18,964.00	0.068356	0.931644	0.816870	0.903809	0.096191	1151.6233;
67.5	\$257,854.19	\$806.00	0.003126	0.996874	0.867961	0.931644	0.068356	1152.4402;
68.5	\$254,546.11	\$0.00	0.000000	1.000000	0.993758	0.996874	0.003126	1153.3081;
69.5	\$253,602.62	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1154.3019;
70.5	\$252,629.26	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1155.3019;
71.5	\$252,629.26	\$8,780.00	0.034754	0.965246	1.000000	1.000000	0.000000	1156.3019;
72.5	\$243,849.26	\$0.00	0.000000	1.000000	0.931699	0.965246	0.034754	1157.3019;
73.5	\$243,635.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1158.2336;
74.5	\$239,944.32	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1159.2336;
75.5	\$235,252.32	\$24,696.00	0.104977	0.895023	1.000000	1.000000	0.000000	1160.2336;
76.5	\$210,556.32	\$3,184.00	0.015122	0.984878	0.801067	0.895023	0.104977	1161.2336;
77.5	\$164,017.31	\$0.00	0.000000	1.000000	0.969985	0.984878	0.015122	1162.0347;
78.5	\$164,017.31	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1163.0047;
79.5	\$164,017.31	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1164.0047;
80.5	\$163,507.71	\$45,206.00	0.276476	0.723524	1.000000	1.000000	0.000000	1165.0047;
81.5	\$101,770.00	\$0.00	0.000000	1.000000	0.523487	0.723524	0.276476	1166.0047;
82.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1166.5281;
83.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1167.5281;
84.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1168.5281;
85.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1169.5281;
86.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1170.5281;
87.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1171.5281;
88.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1172.5281;
89.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1173.5281;
90.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1174.5281;
91.5	\$101,770.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1175.5281;
92.5	\$100,857.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1176.5281;
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1177.5281;
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1178.5281;
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1179.5281;
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1180.5281;
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1181.5281;
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1182.5281;
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1183.5281;
100.5					1.000000	1.000000	0.000000	1184.5281;

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Observed Life Report

Account: E362.10-Station Equip.-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$516,748,265.24	\$11,954.18	0.000023	0.999977	0.999954
0.5	\$510,511,272.55	\$354,158.53	0.000694	0.999306	0.999954
1.5	\$492,601,764.23	\$1,284,385.38	0.002607	0.997393	0.998613
2.5	\$446,633,256.48	\$1,345,632.50	0.003013	0.996987	0.994792
3.5	\$417,598,515.64	\$585,703.27	0.001403	0.998597	0.993983
4.5	\$403,869,261.64	\$1,075,384.77	0.002663	0.997337	0.997197
5.5	\$371,650,093.14	\$462,402.58	0.001244	0.998756	0.994682
6.5	\$346,233,004.34	\$631,968.94	0.001825	0.998175	0.997513
7.5	\$322,967,817.54	\$2,017,810.24	0.006248	0.993752	0.996353
8.5	\$308,239,674.24	\$388,540.70	0.001261	0.998739	0.987544
9.5	\$290,128,257.27	\$1,113,477.89	0.003838	0.996162	0.997481
10.5	\$276,593,391.05	\$1,071,955.24	0.003876	0.996124	0.992339
11.5	\$259,326,280.57	\$1,031,954.46	0.003979	0.996021	0.992264
12.5	\$230,708,924.86	\$698,592.59	0.003028	0.996972	0.992057
13.5	\$222,267,995.18	\$945,921.51	0.004256	0.995744	0.993953
14.5	\$190,508,163.74	\$1,479,002.61	0.007763	0.992237	0.991507
15.5	\$164,838,319.50	\$775,546.26	0.004705	0.995295	0.984533
16.5	\$158,036,832.98	\$542,541.82	0.003433	0.996567	0.990612
17.5	\$148,797,808.97	\$1,253,515.43	0.008424	0.991576	0.993146
18.5	\$138,433,096.76	\$720,078.59	0.005202	0.994798	0.983222
19.5	\$136,264,686.75	\$958,658.68	0.007035	0.992965	0.989624
20.5	\$131,728,836.55	\$1,188,523.23	0.009022	0.990978	0.985979
21.5	\$127,451,325.90	\$857,773.13	0.006730	0.993270	0.982036
22.5	\$114,296,249.57	\$582,436.63	0.005096	0.994904	0.986585
23.5	\$97,623,788.12	\$704,104.66	0.007212	0.992788	0.989834
24.5	\$90,471,759.42	\$959,213.58	0.010602	0.989398	0.985627
25.5	\$76,950,504.18	\$300,754.93	0.003908	0.996092	0.978908
26.5	\$68,307,069.38	\$1,231,158.40	0.018024	0.981976	0.992198
27.5	\$65,250,084.52	\$809,299.21	0.012403	0.987597	0.964277
28.5	\$58,089,603.25	\$598,301.78	0.010300	0.989700	0.975348
29.5	\$53,559,728.71	\$657,754.36	0.012281	0.987719	0.979507
30.5	\$50,526,900.08	\$1,222,258.46	0.024190	0.975810	0.975589
31.5	\$48,236,960.17	\$773,087.60	0.016027	0.983973	0.952205
32.5	\$46,931,144.78	\$438,774.33	0.009349	0.990651	0.968203
33.5	\$42,901,565.56	\$539,198.82	0.012568	0.987432	0.981389
34.5	\$41,321,496.64	\$997,761.28	0.024146	0.975854	0.975021
35.5	\$39,477,500.59	\$592,359.71	0.015005	0.984995	0.952290
36.5	\$37,642,878.92	\$418,235.41	0.011111	0.988889	0.970215
37.5	\$34,295,562.33	\$245,232.24	0.007151	0.992849	0.977902
38.5	\$32,235,260.24	\$548,597.58	0.017019	0.982981	0.985750
39.5	\$28,913,692.01	\$465,934.06	0.016115	0.983885	0.966253
40.5	\$25,381,862.21	\$284,289.69	0.011201	0.988799	0.968030
41.5	\$20,792,630.77	\$245,641.92	0.011814	0.988186	0.977724
42.5	\$18,692,424.22	\$363,835.20	0.019464	0.980536	0.976512
43.5	\$16,609,515.48	\$379,222.36	0.022832	0.977168	0.961450
44.5	\$14,873,353.63	\$288,110.46	0.019371	0.980629	0.954858
45.5	\$13,785,695.01	\$172,399.97	0.012506	0.987494	0.961633
46.5	\$12,992,200.99	\$502,725.78	0.038694	0.961306	0.975145
47.5	\$12,016,091.31	\$140,061.67	0.011656	0.988344	0.924108
48.5	\$11,085,125.03	\$303,786.75	0.027405	0.972595	0.976824
49.5	\$10,449,257.30	\$290,189.83	0.027771	0.972229	0.945941
50.5	\$9,863,888.40	\$245,395.49	0.024878	0.975122	0.945229
51.5	\$9,100,243.09	\$394,367.47	0.043336	0.956664	0.950863
52.5	\$8,288,492.10	\$181,104.29	0.021850	0.978150	0.915206

Note: This report is filtered.

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E362.10-Station Equip.-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$7,994,503.55	\$211,921.17	0.026508	0.973492	0.956777	0.978150	0.021850	1238.3481:
54.5	\$7,035,341.36	\$441,577.72	0.062766	0.937234	0.947686	0.973492	0.026508	1239.3049:
55.5	\$6,488,393.84	\$256,060.94	0.039464	0.960536	0.878408	0.937234	0.062766	1240.2526:
56.5	\$5,832,404.66	\$98,466.92	0.016883	0.983117	0.922629	0.960536	0.039464	1241.1310:
57.5	\$5,593,784.19	\$147,131.55	0.026303	0.973697	0.966520	0.983117	0.016883	1242.0536:
58.5	\$5,156,607.35	\$14,075.56	0.002730	0.997270	0.948086	0.973697	0.026303	1243.0201:
59.5	\$4,935,673.59	\$112,584.52	0.022810	0.977190	0.994548	0.997270	0.002730	1243.9682:
60.5	\$4,692,912.65	\$298,226.49	0.063548	0.936452	0.954900	0.977190	0.022810	1244.9628:
61.5	\$4,191,719.10	\$26,418.28	0.006302	0.993698	0.876942	0.936452	0.063548	1245.9177:
62.5	\$3,707,781.20	\$306,471.53	0.082656	0.917344	0.987435	0.993698	0.006302	1246.7946:
63.5	\$3,026,764.91	\$195,519.78	0.064597	0.935403	0.841519	0.917344	0.082656	1247.7820:
64.5	\$2,544,688.69	\$38,491.25	0.015126	0.984874	0.874979	0.935403	0.064597	1248.6236:
65.5	\$2,330,402.88	\$365,562.84	0.156867	0.843133	0.969977	0.984874	0.015126	1249.4985:
66.5	\$1,486,005.75	\$289,110.98	0.194556	0.805444	0.710874	0.843133	0.156867	1250.4685:
67.5	\$879,120.81	\$80,311.66	0.091355	0.908645	0.648740	0.805444	0.194556	1251.1794:
68.5	\$768,996.03	\$48,695.93	0.063324	0.936676	0.825637	0.908645	0.091355	1251.8281:
69.5	\$688,772.30	\$17,884.84	0.025966	0.974034	0.877362	0.936676	0.063324	1252.6538:
70.5	\$644,502.55	\$37,598.50	0.058337	0.941663	0.948742	0.974034	0.025966	1253.5311:
71.5	\$606,904.05	\$2,003.00	0.003300	0.996700	0.886729	0.941663	0.058337	1254.4799:
72.5	\$589,777.93	\$0.00	0.000000	1.000000	0.993410	0.996700	0.003300	1255.3666:
73.5	\$588,719.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1256.3600:
74.5	\$523,736.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1257.3600:
75.5	\$468,254.98	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1258.3600:
76.5	\$460,318.98	\$16,351.00	0.035521	0.964479	1.000000	1.000000	0.000000	1259.3600:
77.5	\$368,716.31	\$23,473.56	0.063663	0.936337	0.930220	0.964479	0.035521	1260.3600:
78.5	\$345,242.75	\$0.00	0.000000	1.000000	0.876727	0.936337	0.063663	1261.2902:
79.5	\$343,536.68	\$9,043.00	0.026323	0.973677	1.000000	1.000000	0.000000	1262.1670:
80.5	\$334,493.68	\$21,487.00	0.064237	0.935763	0.948046	0.973677	0.026323	1263.1670:
81.5	\$313,006.68	\$88,229.79	0.281878	0.718122	0.875652	0.935763	0.064237	1264.1150:
82.5	\$224,776.89	\$0.00	0.000000	1.000000	0.515699	0.718122	0.281878	1264.9906:
83.5	\$224,776.89	\$11,484.00	0.051091	0.948909	1.000000	1.000000	0.000000	1265.5063:
84.5	\$213,292.89	\$0.00	0.000000	1.000000	0.900429	0.948909	0.051091	1266.5063:
85.5	\$210,016.89	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1267.4068:
86.5	\$203,035.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1268.4068:
87.5	\$74,821.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1269.4068:
88.5	\$74,821.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1270.4068:
89.5	\$63,819.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1271.4068:
90.5	\$47,736.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1272.4068:
91.5	\$46,592.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1273.4068:
92.5	\$46,338.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1274.4068:
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1275.4068:
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1276.4068:
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1277.4068:
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1278.4068:
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1279.4068:
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1280.4068:
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1281.4068:
100.5					1.000000	1.000000	0.000000	1282.4068:

Observed Life Report

Account: E363.00-Batteries - Storage
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$38,240,656.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1283.4068:	
0.5	\$37,945,110.22	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1284.4068:	
1.5	\$12,802,051.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1285.4068:	
2.5	\$6,593,706.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1286.4068:	
3.5					1.000000	1.000000	0.000000	1287.4068:	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E364.00-Poles, Towers & Fxtr
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$762,274,739.60	\$492,057.63	0.000646	0.999354	0.998709	0.999354	0.000646	1288.4068:
0.5	\$726,123,922.30	\$7,564,604.23	0.010418	0.989582	0.998709	0.999354	0.000646	1289.4055:
1.5	\$664,251,507.38	\$10,369,836.25	0.015611	0.984389	0.979273	0.989582	0.010418	1290.4042:
2.5	\$619,748,745.90	\$6,685,212.32	0.010787	0.989213	0.969021	0.984389	0.015611	1291.3835:
3.5	\$566,988,017.20	\$6,942,831.35	0.012245	0.987755	0.978542	0.989213	0.010787	1292.3525:
4.5	\$533,092,702.06	\$7,275,167.03	0.013647	0.986353	0.975660	0.987755	0.012245	1293.3310:
5.5	\$500,580,411.97	\$6,979,312.13	0.013942	0.986058	0.972892	0.986353	0.013647	1294.3067:
6.5	\$459,151,616.29	\$4,971,451.01	0.010827	0.989173	0.972310	0.986058	0.013942	1295.2796:
7.5	\$426,506,858.44	\$5,545,804.91	0.013003	0.986997	0.978462	0.989173	0.010827	1296.2519:
8.5	\$401,321,626.34	\$4,629,705.53	0.011536	0.988464	0.974163	0.986997	0.013003	1297.2304:
9.5	\$353,739,834.18	\$4,037,777.70	0.011415	0.988585	0.977061	0.988464	0.011536	1298.2045:
10.5	\$336,711,818.63	\$3,986,075.16	0.011838	0.988162	0.977301	0.988585	0.011415	1299.1816:
11.5	\$318,193,816.28	\$3,756,859.60	0.011807	0.988193	0.976464	0.988162	0.011838	1300.1589:
12.5	\$301,788,597.16	\$3,187,274.83	0.010561	0.989439	0.976526	0.988193	0.011807	1301.1353:
13.5	\$273,096,008.54	\$3,360,843.90	0.012306	0.987694	0.978989	0.989439	0.010561	1302.1119:
14.5	\$255,825,058.55	\$2,606,299.65	0.010188	0.989812	0.975539	0.987694	0.012306	1303.0909:
15.5	\$243,542,345.80	\$2,981,524.12	0.012242	0.987758	0.979728	0.989812	0.010188	1304.0664:
16.5	\$230,453,821.75	\$2,907,115.76	0.012615	0.987385	0.975665	0.987758	0.012242	1305.0461:
17.5	\$219,444,439.25	\$2,506,798.61	0.011423	0.988577	0.974930	0.987385	0.012615	1306.0218:
18.5	\$204,907,719.27	\$2,588,886.17	0.012634	0.987366	0.977284	0.988577	0.011423	1306.9967:
19.5	\$196,518,044.11	\$2,158,698.17	0.010985	0.989015	0.974891	0.987366	0.012634	1307.9740:
20.5	\$189,108,207.26	\$1,860,579.30	0.009839	0.990161	0.978151	0.989015	0.010985	1308.9489:
21.5	\$181,586,343.80	\$2,239,319.04	0.012332	0.987668	0.980419	0.990161	0.009839	1309.9270:
22.5	\$170,139,391.50	\$2,269,443.72	0.013339	0.986661	0.975488	0.987668	0.012332	1310.9075:
23.5	\$157,534,047.62	\$2,010,387.25	0.012762	0.987238	0.973500	0.986661	0.013339	1311.8830:
24.5	\$141,953,832.84	\$1,880,574.34	0.013248	0.986752	0.974640	0.987238	0.012762	1312.8565:
25.5	\$128,551,835.29	\$1,605,778.12	0.012491	0.987509	0.973680	0.986752	0.013248	1313.8311:
26.5	\$118,880,418.40	\$1,601,275.34	0.013470	0.986530	0.975173	0.987509	0.012491	1314.8048:
27.5	\$111,730,567.98	\$1,423,397.22	0.012740	0.987260	0.973242	0.986530	0.013470	1315.7799:
28.5	\$102,659,395.59	\$1,432,936.20	0.013958	0.986042	0.974683	0.987260	0.012740	1316.7532:
29.5	\$94,803,839.61	\$1,252,063.47	0.013207	0.986793	0.972279	0.986042	0.013958	1317.7279:
30.5	\$86,855,550.20	\$1,238,104.48	0.014255	0.985745	0.973761	0.986793	0.013207	1318.7002:
31.5	\$78,925,240.81	\$1,158,558.98	0.014679	0.985321	0.971694	0.985745	0.014255	1319.6739:
32.5	\$74,292,151.01	\$1,062,518.75	0.014302	0.985698	0.970857	0.985321	0.014679	1320.6456:
33.5	\$67,984,226.41	\$993,725.49	0.014617	0.985383	0.971601	0.985698	0.014302	1321.6165:
34.5	\$62,725,639.61	\$943,106.94	0.015035	0.984965	0.970980	0.985383	0.014617	1322.5881:
35.5	\$58,484,348.02	\$899,726.43	0.015384	0.984616	0.970155	0.984965	0.015035	1323.5590:
36.5	\$52,156,052.65	\$713,584.97	0.013682	0.986318	0.969469	0.984616	0.015384	1324.5292:
37.5	\$45,524,779.08	\$689,764.07	0.015151	0.984849	0.972824	0.986318	0.013682	1325.4987:
38.5	\$41,453,787.45	\$624,570.62	0.015067	0.984933	0.969927	0.984849	0.015151	1326.4715:
39.5	\$39,272,793.56	\$604,073.44	0.015381	0.984619	0.970094	0.984933	0.015067	1327.4414:
40.5	\$36,826,759.36	\$559,532.49	0.015194	0.984806	0.969474	0.984619	0.015381	1328.4115:
41.5	\$34,088,255.21	\$497,353.49	0.014590	0.985410	0.969844	0.984806	0.015194	1329.3810:
42.5	\$30,820,625.12	\$460,293.46	0.014935	0.985065	0.971033	0.985410	0.014590	1330.3508:
43.5	\$28,769,415.09	\$432,496.63	0.015033	0.984967	0.970354	0.985065	0.014935	1331.3219:
44.5	\$26,534,529.92	\$407,164.11	0.015345	0.984655	0.970160	0.984967	0.015033	1332.2922:
45.5	\$24,662,361.95	\$389,781.17	0.015805	0.984195	0.969546	0.984655	0.015345	1333.2624:
46.5	\$22,876,668.74	\$336,225.04	0.014697	0.985303	0.968640	0.984195	0.015805	1334.2319:
47.5	\$21,341,528.88	\$315,172.23	0.014768	0.985232	0.970821	0.985303	0.014697	1335.2006:
48.5	\$20,074,671.95	\$330,647.46	0.016471	0.983529	0.970682	0.985232	0.014768	1336.1714:
49.5	\$18,864,040.71	\$292,105.65	0.015485	0.984515	0.967330	0.983529	0.016471	1337.1421:
50.5	\$17,622,164.09	\$274,399.99	0.015571	0.984429	0.969270	0.984515	0.015485	1338.1094:
51.5	\$16,390,671.20	\$754,722.60	0.046046	0.953954	0.969100	0.984429	0.015571	1339.0787:
52.5	\$14,683,664.47	\$764,277.30	0.052049	0.947951	0.910028	0.953954	0.046046	1340.0478:

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E364.00-Poles, Towers & Fxtr
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
53.5	\$13,131,244.25	\$372,132.19	0.028339	0.971661	0.898610
54.5	\$11,849,304.07	\$254,997.51	0.021520	0.978480	0.944124
55.5	\$10,554,460.58	\$199,673.34	0.018918	0.981082	0.957423
56.5	\$9,200,108.36	\$243,566.67	0.026474	0.973526	0.962521
57.5	\$7,668,184.34	\$193,217.08	0.025197	0.974803	0.947752
58.5	\$6,318,485.99	\$182,082.64	0.028817	0.971183	0.950240
59.5	\$5,291,756.24	\$123,927.25	0.023419	0.976581	0.943196
60.5	\$4,508,405.55	\$109,301.53	0.024244	0.975756	0.953711
61.5	\$3,971,145.74	\$103,518.44	0.026068	0.973932	0.952100
62.5	\$3,495,220.49	\$92,334.10	0.026417	0.973583	0.948544
63.5	\$2,881,620.20	\$87,675.12	0.030426	0.969574	0.947863
64.5	\$2,401,465.43	\$74,906.46	0.031192	0.968808	0.940074
65.5	\$1,931,734.52	\$77,507.60	0.040123	0.959877	0.938589
66.5	\$1,573,596.22	\$86,995.36	0.055284	0.944716	0.921363
67.5	\$1,164,374.38	\$49,207.35	0.042261	0.957739	0.892488
68.5	\$723,444.67	\$29,364.50	0.040590	0.959410	0.917264
69.5	\$398,902.73	\$16,816.93	0.042158	0.957842	0.920468
70.5	\$344,741.30	\$20,616.98	0.059804	0.940196	0.917461
71.5	\$290,154.77	\$26,942.03	0.092854	0.907146	0.883968
72.5	\$225,727.07	\$17,659.32	0.078233	0.921767	0.822914
73.5	\$178,770.80	\$13,309.00	0.074447	0.925553	0.849654
74.5	\$149,176.70	\$16,581.65	0.111154	0.888846	0.856648
75.5	\$84,228.14	\$17,523.23	0.208045	0.791955	0.790046
76.5	\$66,704.91	\$21,404.43	0.320882	0.679118	0.627193
77.5	\$37,176.41	\$11,987.18	0.322440	0.677560	0.461201
78.5	\$21,659.03	\$6,079.95	0.280712	0.719288	0.459087
79.5	\$14,051.42	\$5,103.90	0.363230	0.636770	0.517375
80.5	\$6,729.20	\$2,361.65	0.350956	0.649044	0.405476
81.5	\$4,031.75	\$1,874.35	0.464897	0.535103	0.421259
82.5	\$2,157.40	\$0.00	0.000000	1.000000	0.286335
83.5	\$2,157.40	\$44.06	0.020423	0.979577	1.000000
84.5	\$2,113.34	\$0.00	0.000000	1.000000	0.959572
85.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
86.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
87.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
88.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
89.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
90.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
91.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
92.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
93.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
94.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
95.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
96.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
97.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
98.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
99.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
100.5	\$2,113.34	\$0.00	0.000000	1.000000	1.000000
101.5					1.000000

San Diego Gas & Electric Company
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Observed Life Report

Account: E365.00-Overhead Cond & Dev
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$658,697,302.10	\$4,017,637.27	0.006099	0.993901	0.987838
0.5	\$607,182,751.06	\$5,327,808.25	0.008775	0.991225	0.987838
1.5	\$512,838,299.92	\$5,066,865.39	0.009880	0.990120	0.982528
2.5	\$470,205,039.97	\$3,935,570.21	0.008370	0.991630	0.980338
3.5	\$440,903,028.84	\$3,759,443.91	0.008527	0.991473	0.983330
4.5	\$415,204,205.12	\$3,308,046.33	0.007967	0.992033	0.983019
5.5	\$391,473,516.17	\$4,577,691.19	0.011693	0.988307	0.984129
6.5	\$362,009,858.26	\$3,487,062.68	0.009633	0.990367	0.976750
7.5	\$334,384,810.56	\$3,011,968.21	0.009007	0.990993	0.980828
8.5	\$314,005,946.93	\$2,978,154.34	0.009484	0.990516	0.982066
9.5	\$285,786,094.29	\$3,311,171.30	0.011586	0.988414	0.981121
10.5	\$269,478,441.41	\$2,493,612.57	0.009253	0.990747	0.976962
11.5	\$254,337,912.82	\$2,564,893.64	0.010085	0.989915	0.981579
12.5	\$239,254,532.96	\$2,193,620.44	0.009169	0.990831	0.979933
13.5	\$220,419,255.84	\$1,791,193.21	0.008126	0.991874	0.981747
14.5	\$209,752,230.40	\$2,289,788.85	0.010917	0.989083	0.983813
15.5	\$196,915,756.09	\$1,755,762.41	0.008916	0.991084	0.978286
16.5	\$184,882,141.03	\$1,932,499.81	0.010453	0.989547	0.982247
17.5	\$176,142,705.00	\$962,631.67	0.005465	0.994535	0.979204
18.5	\$164,304,134.34	\$1,157,582.33	0.007045	0.992955	0.989100
19.5	\$158,480,550.88	\$975,222.47	0.006154	0.993846	0.985959
20.5	\$150,665,986.72	\$883,192.64	0.005862	0.994138	0.987731
21.5	\$142,921,807.61	\$1,085,297.54	0.007594	0.992406	0.988311
22.5	\$133,286,785.88	\$1,094,717.60	0.008213	0.991787	0.984870
23.5	\$119,239,980.14	\$1,362,706.25	0.011428	0.988572	0.983641
24.5	\$100,577,008.28	\$1,394,889.11	0.013869	0.986131	0.977274
25.5	\$91,845,769.23	\$1,162,137.07	0.012653	0.987347	0.972455
26.5	\$83,875,003.69	\$351,661.68	0.004193	0.995807	0.974854
27.5	\$78,526,439.18	\$332,109.12	0.004229	0.995771	0.991632
28.5	\$71,986,132.41	\$359,029.49	0.004987	0.995013	0.991559
29.5	\$66,526,357.37	\$221,873.36	0.003335	0.996665	0.990050
30.5	\$60,943,215.74	\$234,429.53	0.003847	0.996153	0.993341
31.5	\$56,017,288.60	\$219,026.28	0.003910	0.996090	0.992321
32.5	\$53,183,160.20	\$222,911.30	0.004191	0.995809	0.992195
33.5	\$48,017,914.03	\$211,833.81	0.004412	0.995588	0.991635
34.5	\$43,957,206.21	\$273,710.13	0.006227	0.993773	0.991196
35.5	\$39,969,156.28	\$159,308.47	0.003986	0.996014	0.987585
36.5	\$35,667,103.85	\$227,438.07	0.006377	0.993623	0.992044
37.5	\$30,946,786.18	\$266,103.50	0.008599	0.991401	0.987287
38.5	\$28,127,345.57	\$542,417.25	0.019284	0.980716	0.982876
39.5	\$26,705,978.52	\$501,120.15	0.018764	0.981236	0.961803
40.5	\$24,372,395.26	\$288,297.83	0.011829	0.988171	0.962823
41.5	\$22,199,219.26	\$240,489.78	0.010833	0.989167	0.976482
42.5	\$19,293,991.42	\$183,002.31	0.009485	0.990515	0.978451
43.5	\$17,984,210.19	\$134,592.49	0.007484	0.992516	0.981120
44.5	\$16,226,710.75	\$124,366.23	0.007664	0.992336	0.985088
45.5	\$14,906,796.61	\$108,086.88	0.007251	0.992749	0.984730
46.5	\$13,773,395.36	\$71,712.70	0.005207	0.994793	0.985551
47.5	\$13,267,070.91	\$53,677.57	0.004046	0.995954	0.989614
48.5	\$12,822,652.86	\$52,829.91	0.004120	0.995880	0.991925
49.5	\$12,563,130.52	\$62,413.08	0.004968	0.995032	0.991777
50.5	\$12,106,775.39	\$37,399.01	0.003089	0.996911	0.990089
51.5	\$11,573,532.48	\$31,297.15	0.002704	0.997296	0.993831
52.5	\$10,992,808.90	\$24,092.85	0.002192	0.997808	0.994599

San Diego Gas & Electric Company
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Observed Life Report

Account: E365.00-Overhead Cond & Dev
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$10,582,649.58	\$28,997.94	0.002740	0.997260	0.995621	0.997808	0.002192	1437.3017
54.5	\$10,329,751.14	\$25,541.43	0.002473	0.997527	0.994527	0.997260	0.002740	1438.2973
55.5	\$9,728,492.12	\$24,236.19	0.002491	0.997509	0.995061	0.997527	0.002473	1439.2918
56.5	\$9,034,469.45	\$23,870.43	0.002642	0.997358	0.995024	0.997509	0.002491	1440.2869
57.5	\$8,223,344.05	\$24,255.65	0.002950	0.997050	0.994723	0.997358	0.002642	1441.2819
58.5	\$7,473,676.12	\$28,881.74	0.003864	0.996136	0.994109	0.997050	0.002950	1442.2766
59.5	\$6,790,392.49	\$16,164.36	0.002380	0.997620	0.992286	0.996136	0.003864	1443.2707
60.5	\$6,159,137.81	\$13,732.54	0.002230	0.997770	0.995245	0.997620	0.002380	1444.2630
61.5	\$5,546,182.46	\$13,873.09	0.002501	0.997499	0.995546	0.997770	0.002230	1445.2583
62.5	\$5,009,827.28	\$14,879.77	0.002970	0.997030	0.995004	0.997499	0.002501	1446.2538
63.5	\$4,332,644.38	\$13,120.07	0.003028	0.996972	0.994069	0.997030	0.002970	1447.2488
64.5	\$3,941,400.44	\$10,965.17	0.002782	0.997218	0.993953	0.996972	0.003028	1448.2429
65.5	\$3,517,172.60	\$9,197.59	0.002615	0.997385	0.994444	0.997218	0.002782	1449.2368
66.5	\$3,181,200.30	\$17,790.82	0.005592	0.994408	0.994777	0.997385	0.002615	1450.2313
67.5	\$2,702,861.69	\$12,273.85	0.004541	0.995459	0.988846	0.994408	0.005592	1451.2261
68.5	\$2,131,288.77	\$6,945.13	0.003259	0.996741	0.990939	0.995459	0.004541	1452.2149
69.5	\$1,745,603.56	\$6,980.12	0.003999	0.996001	0.993493	0.996741	0.003259	1453.2058
70.5	\$1,662,894.31	\$2,157.65	0.001298	0.998702	0.992019	0.996001	0.003999	1454.1993
71.5	\$1,355,891.00	\$3,788.08	0.002794	0.997206	0.997407	0.998702	0.001298	1455.1914
72.5	\$1,310,933.71	\$4,245.42	0.003238	0.996762	0.994420	0.997206	0.002794	1456.1888
73.5	\$1,233,416.77	\$2,986.28	0.002421	0.997579	0.993534	0.996762	0.003238	1457.1832
74.5	\$1,156,127.19	\$4,831.50	0.004179	0.995821	0.995164	0.997579	0.002421	1458.1767
75.5	\$1,022,950.91	\$24,031.82	0.023493	0.976507	0.991659	0.995821	0.004179	1459.1719
76.5	\$937,500.92	\$245,432.28	0.261794	0.738206	0.953567	0.976507	0.023493	1460.1635
77.5	\$658,204.96	\$203,897.62	0.309778	0.690222	0.544948	0.738206	0.261794	1461.1171
78.5	\$388,692.44	\$92,248.14	0.237329	0.762671	0.476406	0.690222	0.309778	1461.6621
79.5	\$272,267.27	\$76,275.78	0.280150	0.719850	0.581666	0.762671	0.237329	1462.1385
80.5	\$170,550.46	\$52,785.10	0.309498	0.690502	0.518183	0.719850	0.280150	1462.7201
81.5	\$101,142.66	\$19,501.69	0.192814	0.807186	0.476792	0.690502	0.309498	1463.2383
82.5	\$73,159.92	\$17,953.13	0.245396	0.754604	0.651550	0.807186	0.192814	1463.7151
83.5	\$47,586.11	\$29,515.22	0.620249	0.379751	0.569428	0.754604	0.245396	1464.3666
84.5	\$10,469.71	\$4,054.98	0.387306	0.612694	0.144211	0.379751	0.620249	1464.9361
85.5	\$0.00	\$0.00	0.000000	1.000000	0.375394	0.612694	0.387306	1465.0803
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1465.4557
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1466.4557
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1467.4557
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1468.4557
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1469.4557
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1470.4557
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1471.4557
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1472.4557
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1473.4557
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1474.4557
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1475.4557
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1476.4557
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1477.4557
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1478.4557
100.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1479.4557
101.5					1.000000	1.000000	0.000000	1480.4557

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E366.00-Underground Conduit
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$1,272,362,844.21	\$352,946.56	0.000277	0.999723	0.999445	0.999723	0.000277	1481.4557
0.5	\$1,191,396,089.19	\$17,464,068.25	0.014658	0.985342	0.999445	0.999723	0.000277	1482.4551
1.5	\$1,148,656,996.03	\$14,748,868.71	0.012840	0.987160	0.970898	0.985342	0.014658	1483.4546
2.5	\$1,078,910,243.77	\$5,626,988.37	0.005215	0.994785	0.974485	0.987160	0.012840	1484.4255
3.5	\$1,019,481,829.99	\$4,227,513.32	0.004147	0.995853	0.989596	0.994785	0.005215	1485.4000
4.5	\$959,890,621.85	\$4,954,698.79	0.005162	0.994838	0.991724	0.995853	0.004147	1486.3896
5.5	\$915,393,270.17	\$5,071,423.02	0.005540	0.994460	0.989703	0.994838	0.005162	1487.3813
6.5	\$875,312,639.07	\$3,179,364.41	0.003632	0.996368	0.988950	0.994460	0.005540	1488.3710
7.5	\$825,631,904.97	\$3,840,398.44	0.004651	0.995349	0.992749	0.996368	0.003632	1489.3599
8.5	\$770,328,983.01	\$3,123,253.63	0.004054	0.995946	0.990719	0.995349	0.004651	1490.3527
9.5	\$739,010,674.49	\$2,222,452.27	0.003007	0.996993	0.991908	0.995946	0.004054	1491.3434
10.5	\$699,074,905.17	\$2,392,041.52	0.003422	0.996578	0.993994	0.996993	0.003007	1492.3353
11.5	\$665,177,015.89	\$2,342,534.63	0.003522	0.996478	0.993168	0.996578	0.003422	1493.3293
12.5	\$607,572,634.12	\$1,793,894.38	0.002953	0.997047	0.992969	0.996478	0.003522	1494.3225
13.5	\$578,237,955.21	\$1,638,202.02	0.002833	0.997167	0.994104	0.997047	0.002953	1495.3154
14.5	\$535,242,930.49	\$1,367,405.97	0.002555	0.997445	0.994342	0.997167	0.002833	1496.3095
15.5	\$515,577,560.44	\$1,575,275.42	0.003055	0.996945	0.994897	0.997445	0.002555	1497.3039
16.5	\$486,319,655.80	\$787,112.72	0.001619	0.998381	0.993899	0.996945	0.003055	1498.2988
17.5	\$455,849,081.78	\$805,137.43	0.001766	0.998234	0.996766	0.998381	0.001619	1499.2927
18.5	\$423,196,642.14	\$610,840.11	0.001443	0.998557	0.996471	0.998234	0.001766	1500.2894
19.5	\$408,974,507.07	\$517,786.54	0.001266	0.998734	0.997115	0.998557	0.001443	1501.2859
20.5	\$396,851,978.90	\$384,492.31	0.000969	0.999031	0.997469	0.998734	0.001266	1502.2830
21.5	\$391,553,057.58	\$358,741.62	0.000916	0.999084	0.998063	0.999031	0.000969	1503.2805
22.5	\$360,320,014.08	\$223,928.07	0.000621	0.999379	0.998168	0.999084	0.000916	1504.2786
23.5	\$331,392,917.25	\$462,659.60	0.001396	0.998604	0.998757	0.999379	0.000621	1505.2767
24.5	\$290,971,932.63	\$161,104.46	0.000554	0.999446	0.997210	0.998604	0.001396	1506.2755
25.5	\$269,911,413.14	\$146,589.97	0.000543	0.999457	0.998893	0.999446	0.000554	1507.2727
26.5	\$244,812,387.80	\$134,464.93	0.000549	0.999451	0.998914	0.999457	0.000543	1508.2716
27.5	\$226,568,544.11	\$167,933.38	0.000741	0.999259	0.998902	0.999451	0.000549	1509.2705
28.5	\$196,435,254.28	\$171,167.77	0.000871	0.999129	0.998518	0.999259	0.000741	1510.2694
29.5	\$177,111,854.66	\$220,228.34	0.001243	0.998757	0.998258	0.999129	0.000871	1511.2679
30.5	\$157,336,963.64	\$188,945.27	0.001201	0.998799	0.997515	0.998757	0.001243	1512.2662
31.5	\$141,863,622.89	\$231,541.48	0.001632	0.998368	0.997600	0.998799	0.001201	1513.2637
32.5	\$129,773,376.60	\$383,161.36	0.002953	0.997047	0.996738	0.998368	0.001632	1514.2613
33.5	\$118,504,985.88	\$612,898.09	0.005172	0.994828	0.994104	0.997047	0.002953	1515.2580
34.5	\$98,855,043.05	\$411,713.78	0.004165	0.995835	0.989683	0.994828	0.005172	1516.2521
35.5	\$87,077,081.35	\$313,527.35	0.003601	0.996399	0.991688	0.995835	0.004165	1517.2418
36.5	\$74,458,572.48	\$268,438.48	0.003605	0.996395	0.992812	0.996399	0.003601	1518.2335
37.5	\$61,300,646.83	\$184,392.99	0.003008	0.996992	0.992803	0.996395	0.003605	1519.2263
38.5	\$52,196,122.07	\$192,095.65	0.003680	0.996320	0.993993	0.996992	0.003008	1520.2191
39.5	\$47,116,728.21	\$263,321.08	0.005589	0.994411	0.992653	0.996320	0.003680	1521.2131
40.5	\$40,167,525.50	\$126,440.17	0.003148	0.996852	0.988854	0.994411	0.005589	1522.2058
41.5	\$32,306,653.02	\$85,045.82	0.002632	0.997368	0.993714	0.996852	0.003148	1523.1946
42.5	\$23,179,309.46	\$51,142.81	0.002206	0.997794	0.994742	0.997368	0.002632	1524.1883
43.5	\$17,957,420.24	\$197,253.45	0.010985	0.989015	0.995592	0.997794	0.002206	1525.1831
44.5	\$12,045,543.83	\$244,204.79	0.020273	0.979727	0.978152	0.989015	0.010985	1526.1787
45.5	\$7,516,353.99	\$100,757.35	0.013405	0.986595	0.959864	0.979727	0.020273	1527.1568
46.5	\$5,166,948.96	\$58,187.03	0.011261	0.988739	0.973370	0.986595	0.013405	1528.1167
47.5	\$3,337,892.49	\$65,273.54	0.019555	0.980445	0.977604	0.988739	0.011261	1529.0901
48.5	\$1,778,362.36	\$36,875.19	0.020735	0.979265	0.961272	0.980445	0.019555	1530.0677
49.5	\$1,508,751.92	\$16,037.42	0.010630	0.989370	0.958959	0.979265	0.020735	1531.0289
50.5	\$1,336,453.02	\$5,459.62	0.004085	0.995915	0.978854	0.989370	0.010630	1531.9879
51.5	\$1,176,273.89	\$25,528.76	0.021703	0.978297	0.991846	0.995915	0.004085	1532.9667
52.5	\$1,092,922.93	\$54,246.52	0.049634	0.950366	0.957065	0.978297	0.021703	1533.9586

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E366.00-Underground Conduit
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
53.5	\$948,800.84	\$34,447.43	0.036306	0.963694	0.903195
54.5	\$926,346.73	\$27,649.82	0.029848	0.970152	0.928706
55.5	\$872,833.78	\$54,942.21	0.062947	0.937053	0.941194
56.5	\$807,827.42	\$64,276.10	0.079567	0.920433	0.878068
57.5	\$730,359.32	\$38,453.01	0.052649	0.947351	0.847198
58.5	\$666,554.39	\$26,374.60	0.039569	0.960431	0.897473
59.5	\$618,104.17	\$5,896.61	0.009540	0.990460	0.922429
60.5	\$605,952.06	\$17,011.84	0.028075	0.971925	0.981011
61.5	\$588,940.22	\$101,757.93	0.172781	0.827219	0.944639
62.5	\$481,667.37	\$37,638.45	0.078142	0.921858	0.684291
63.5	\$420,264.30	\$8,155.48	0.019406	0.980594	0.849822
64.5	\$389,053.65	\$6,143.36	0.015791	0.984209	0.961565
65.5	\$377,121.59	\$15,524.67	0.041166	0.958834	0.968668
66.5	\$358,060.87	\$26,324.15	0.073519	0.926481	0.919362
67.5	\$318,929.57	\$27,559.24	0.086412	0.913588	0.858368
68.5	\$284,374.61	\$10,244.18	0.036024	0.963976	0.834644
69.5	\$258,839.19	\$15,171.75	0.058615	0.941385	0.929251
70.5	\$241,456.74	\$2,665.97	0.011041	0.988959	0.886207
71.5	\$235,661.77	\$26,952.10	0.114368	0.885632	0.978040
72.5	\$206,494.39	\$49,725.30	0.240807	0.759193	0.784345
73.5	\$156,769.09	\$14,535.62	0.092720	0.907280	0.576374
74.5	\$135,683.16	\$14,570.23	0.107384	0.892616	0.823157
75.5	\$121,112.93	\$268.00	0.002213	0.997787	0.796763
76.5	\$120,844.93	\$31,207.36	0.258243	0.741757	0.995579
77.5	\$89,637.57	\$8,270.61	0.092267	0.907733	0.550203
78.5	\$81,366.96	\$7,498.56	0.092157	0.907843	0.823979
79.5	\$73,868.40	\$6,049.00	0.081889	0.918111	0.824178
80.5	\$67,819.40	\$3,704.00	0.054616	0.945384	0.842928
81.5	\$64,115.40	\$1,792.00	0.027950	0.972050	0.893752
82.5	\$62,323.40	\$0.00	0.000000	1.000000	0.944882
83.5	\$62,323.40	\$27,505.60	0.441337	0.558663	1.000000
84.5	\$34,817.80	\$33,620.02	0.965599	0.034401	0.312105
85.5	\$1,197.78	\$1,197.78	1.000000	0.000000	0.001183
86.5	\$0.00	\$0.00	0.000000	1.000000	0.000000
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
100.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
101.5					1.000000

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E367.00-Undergrnd Cond & Dev
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$1,579,376,036.66	\$524,731.59	0.000332	0.999668	0.999336
0.5	\$1,530,371,868.49	\$8,219,559.77	0.005371	0.994629	0.999336
1.5	\$1,472,955,931.14	\$9,399,078.23	0.006381	0.993619	0.989287
2.5	\$1,411,497,979.25	\$6,024,068.61	0.004268	0.995732	0.987279
3.5	\$1,355,622,784.17	\$5,264,076.52	0.003883	0.996117	0.993619
4.5	\$1,285,328,169.15	\$6,818,125.44	0.005305	0.994695	0.995732
5.5	\$1,233,279,975.17	\$6,576,049.66	0.005332	0.994668	0.994668
6.5	\$1,175,890,590.04	\$5,362,268.47	0.004560	0.995440	0.996117
7.5	\$1,119,528,237.25	\$6,052,023.95	0.005406	0.994594	0.995732
8.5	\$1,058,550,278.23	\$4,757,004.60	0.004494	0.995506	0.994668
9.5	\$989,397,471.02	\$4,348,276.76	0.004395	0.995605	0.995440
10.5	\$914,121,980.38	\$4,222,164.70	0.004619	0.995381	0.995440
11.5	\$845,929,228.22	\$3,949,349.18	0.004669	0.995331	0.995440
12.5	\$791,493,149.14	\$3,030,130.96	0.003828	0.996172	0.995440
13.5	\$736,185,079.56	\$2,612,519.54	0.003549	0.996451	0.995440
14.5	\$674,564,129.64	\$2,289,563.06	0.003394	0.996606	0.995440
15.5	\$624,706,961.69	\$2,544,282.67	0.004073	0.995927	0.995440
16.5	\$574,441,820.23	\$1,669,613.63	0.002906	0.997094	0.995440
17.5	\$520,627,229.11	\$1,545,579.10	0.002969	0.997031	0.995440
18.5	\$473,225,872.56	\$1,252,800.20	0.002647	0.997353	0.995440
19.5	\$454,367,640.16	\$1,090,538.87	0.002400	0.997600	0.995440
20.5	\$433,280,816.84	\$1,248,031.66	0.002880	0.997120	0.995440
21.5	\$415,742,381.52	\$1,143,231.85	0.002750	0.997250	0.995440
22.5	\$385,322,492.83	\$1,163,050.95	0.003018	0.996982	0.995440
23.5	\$358,206,839.24	\$1,588,609.62	0.004435	0.995565	0.995440
24.5	\$317,060,573.41	\$1,720,106.96	0.005425	0.994575	0.995440
25.5	\$290,220,139.94	\$1,965,851.56	0.006774	0.993226	0.995440
26.5	\$257,898,724.07	\$1,342,811.08	0.005207	0.994793	0.995440
27.5	\$234,077,783.04	\$1,287,883.92	0.005502	0.994498	0.995440
28.5	\$202,062,064.75	\$1,282,028.52	0.006345	0.993655	0.995440
29.5	\$175,614,626.07	\$1,393,936.80	0.007937	0.992063	0.995440
30.5	\$151,158,828.60	\$1,732,760.88	0.011463	0.988537	0.995440
31.5	\$133,871,358.18	\$1,495,560.28	0.011172	0.988828	0.995440
32.5	\$119,161,375.32	\$1,757,054.64	0.014745	0.985255	0.995440
33.5	\$103,740,760.35	\$2,121,936.21	0.020454	0.979546	0.995440
34.5	\$82,788,505.53	\$1,461,930.93	0.017659	0.982341	0.995440
35.5	\$71,458,081.71	\$2,221,680.71	0.031091	0.968909	0.995440
36.5	\$56,930,609.44	\$828,534.99	0.014553	0.985447	0.995440
37.5	\$44,346,842.11	\$684,688.32	0.015439	0.984561	0.995440
38.5	\$35,417,543.94	\$689,970.86	0.019481	0.980519	0.995440
39.5	\$30,525,085.54	\$900,493.65	0.029500	0.970500	0.995440
40.5	\$23,666,366.70	\$1,138,315.64	0.048098	0.951902	0.995440
41.5	\$17,454,954.18	\$328,708.18	0.018832	0.981168	0.995440
42.5	\$10,668,510.06	\$166,539.52	0.015610	0.984390	0.995440
43.5	\$6,550,354.41	\$124,524.77	0.019010	0.980990	0.995440
44.5	\$3,633,705.29	\$67,354.57	0.018536	0.981464	0.995440
45.5	\$2,614,983.43	\$61,866.91	0.023659	0.976341	0.995440
46.5	\$1,953,916.57	\$32,921.56	0.016849	0.983151	0.995440
47.5	\$1,483,605.92	\$12,690.09	0.008554	0.991446	0.995440
48.5	\$1,185,457.75	\$13,684.35	0.011544	0.988456	0.995440
49.5	\$864,148.45	\$17,636.53	0.020409	0.979591	0.995440
50.5	\$587,722.96	\$7,816.00	0.013299	0.986701	0.995440
51.5	\$212,771.53	\$7,880.00	0.037035	0.962965	0.995440
52.5	\$59,711.00	\$6,647.00	0.111320	0.888680	0.995440

San Diego Gas & Electric Company
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Observed Life Report

Account: E367.00-Undergrnd Cond & Dev
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$53,064.00	\$3,721.00	0.070123	0.929877	0.789753	0.888680	0.111320	1630.06561
54.5	\$49,343.00	\$26,535.00	0.537766	0.462234	0.864671	0.929877	0.070123	1630.85544
55.5	\$22,808.00	\$5,865.00	0.257147	0.742853	0.213660	0.462234	0.537766	1631.72009
56.5	\$16,943.00	\$10,369.00	0.611993	0.388007	0.551831	0.742853	0.257147	1631.93371
57.5	\$6,574.00	\$5,542.00	0.843018	0.156982	0.150549	0.388007	0.611993	1632.48551
58.5	\$1,032.00	\$753.00	0.729651	0.270349	0.024643	0.156982	0.843018	1632.63611
59.5	\$279.00	\$90.00	0.322581	0.677419	0.073088	0.270349	0.729651	1632.66071
60.5	\$189.00	\$189.00	1.000000	0.000000	0.458897	0.677419	0.322581	1632.73381
61.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	1633.19271
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1633.19271
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1634.19271
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1635.19271
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1636.19271
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1637.19271
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1638.19271
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1639.19271
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1640.19271
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1641.19271
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1642.19271
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1643.19271
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1644.19271
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1645.19271
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1646.19271
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1647.19271
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1648.19271
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1649.19271
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1650.19271
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1651.19271
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1652.19271
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1653.19271
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1654.19271
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1655.19271
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1656.19271
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1657.19271
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1658.19271
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1659.19271
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1660.19271
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1661.19271
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1662.19271
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1663.19271
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1664.19271
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1665.19271
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1666.19271
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1667.19271
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1668.19271
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1669.19271
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1670.19271
100.5					1.000000	1.000000	0.000000	1671.19271

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E368.10-Line Transformers
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$726,373,431.19	\$94,363.20	0.000130	0.999870	0.999740
0.5	\$696,637,701.17	\$536,770.06	0.000771	0.999229	0.999740
1.5	\$657,387,232.81	\$881,714.52	0.001341	0.998659	0.998460
2.5	\$637,221,111.63	\$1,151,276.58	0.001807	0.998193	0.997319
3.5	\$611,666,340.92	\$1,520,727.52	0.002486	0.997514	0.996390
4.5	\$582,633,048.17	\$1,848,908.33	0.003173	0.996827	0.995034
5.5	\$555,076,527.80	\$2,092,587.11	0.003770	0.996230	0.993663
6.5	\$521,784,430.59	\$2,793,888.58	0.005354	0.994646	0.992474
7.5	\$488,191,501.35	\$3,760,322.38	0.007703	0.992297	0.989320
8.5	\$454,260,831.83	\$3,443,083.04	0.007580	0.992420	0.984654
9.5	\$410,982,582.56	\$4,533,166.23	0.011030	0.988970	0.984898
10.5	\$375,648,182.01	\$5,087,215.92	0.013543	0.986457	0.978062
11.5	\$347,276,905.88	\$5,619,336.68	0.016181	0.983819	0.973098
12.5	\$322,976,067.44	\$6,701,944.04	0.020751	0.979249	0.967900
13.5	\$298,046,380.87	\$7,314,117.45	0.024540	0.975460	0.958929
14.5	\$274,256,693.05	\$8,400,969.38	0.030632	0.969368	0.951522
15.5	\$253,411,497.24	\$7,898,573.54	0.031169	0.968831	0.939675
16.5	\$232,782,827.98	\$7,678,568.09	0.032986	0.967014	0.938634
17.5	\$215,356,551.97	\$7,494,425.34	0.034800	0.965200	0.935116
18.5	\$199,448,353.04	\$7,520,818.19	0.037708	0.962292	0.931611
19.5	\$184,183,715.16	\$6,745,666.41	0.036625	0.963375	0.926006
20.5	\$171,627,621.46	\$5,812,875.75	0.033869	0.966131	0.928092
21.5	\$159,976,186.85	\$5,321,587.34	0.033265	0.966735	0.933409
22.5	\$148,774,295.03	\$5,064,320.95	0.034040	0.965960	0.934577
23.5	\$138,018,146.66	\$4,919,406.71	0.035643	0.964357	0.933078
24.5	\$127,751,754.94	\$4,485,700.81	0.035113	0.964887	0.929984
25.5	\$116,142,305.79	\$4,200,781.71	0.036169	0.963831	0.931008
26.5	\$106,013,381.99	\$3,669,828.47	0.034617	0.965383	0.928970
27.5	\$95,574,989.91	\$3,398,110.91	0.035554	0.964446	0.931965
28.5	\$85,549,278.84	\$3,105,799.96	0.036304	0.963696	0.930155
29.5	\$76,791,376.84	\$2,821,142.68	0.036738	0.963262	0.928710
30.5	\$68,453,509.98	\$2,430,878.73	0.035511	0.964489	0.927874
31.5	\$61,587,247.31	\$2,393,053.88	0.038856	0.961144	0.930238
32.5	\$54,443,668.25	\$2,043,745.02	0.037539	0.962461	0.923797
33.5	\$49,495,973.06	\$1,982,953.79	0.040063	0.959937	0.926332
34.5	\$44,763,571.31	\$1,773,171.65	0.039612	0.960388	0.921479
35.5	\$40,623,527.52	\$1,461,026.59	0.035965	0.964035	0.922345
36.5	\$36,904,734.96	\$1,438,131.45	0.038969	0.961031	0.929363
37.5	\$32,675,585.41	\$1,373,052.77	0.042021	0.957979	0.923581
38.5	\$29,056,089.40	\$1,102,691.18	0.037950	0.962050	0.917724
39.5	\$26,292,308.69	\$989,935.39	0.037651	0.962349	0.925539
40.5	\$24,331,166.29	\$894,034.39	0.036744	0.963256	0.926115
41.5	\$22,457,244.54	\$806,969.97	0.035934	0.964066	0.927861
42.5	\$20,210,540.45	\$832,880.56	0.041210	0.958790	0.929424
43.5	\$18,048,995.86	\$758,334.68	0.042015	0.957985	0.919278
44.5	\$16,033,043.24	\$631,080.46	0.039361	0.960639	0.917735
45.5	\$14,179,686.83	\$598,439.40	0.042204	0.957796	0.922827
46.5	\$12,433,322.39	\$573,254.37	0.046106	0.953894	0.917373
47.5	\$10,954,182.94	\$544,491.37	0.049706	0.950294	0.909913
48.5	\$9,304,397.36	\$425,812.25	0.045765	0.954235	0.903058
49.5	\$8,295,640.04	\$373,881.88	0.045070	0.954930	0.910565
50.5	\$7,437,515.67	\$383,053.93	0.051503	0.948497	0.911892
51.5	\$6,624,229.83	\$324,075.87	0.048923	0.951077	0.899647
52.5	\$5,911,455.82	\$259,713.18	0.043934	0.956066	0.904548

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E368.10-Line Transformers
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$5,321,040.95	\$275,324.47	0.051743	0.948257	0.914062	0.956066	0.043934	1723.0834
54.5	\$4,675,249.64	\$237,763.37	0.050856	0.949144	0.899192	0.948257	0.051743	1723.9975
55.5	\$4,114,597.24	\$180,635.45	0.043901	0.956099	0.900875	0.949144	0.050856	1724.8967
56.5	\$3,478,728.55	\$142,386.91	0.040931	0.959069	0.914125	0.956099	0.043901	1725.7975
57.5	\$2,856,131.32	\$111,033.89	0.038876	0.961124	0.919814	0.959069	0.040931	1726.7117
58.5	\$2,367,139.92	\$96,071.34	0.040585	0.959415	0.923760	0.961124	0.038876	1727.6315
59.5	\$2,027,532.82	\$72,516.63	0.035766	0.964234	0.920476	0.959415	0.040585	1728.5552
60.5	\$1,739,191.44	\$88,276.77	0.050757	0.949243	0.929747	0.964234	0.035766	1729.4757
61.5	\$1,463,298.09	\$54,570.72	0.037293	0.962707	0.901062	0.949243	0.050757	1730.4055
62.5	\$1,242,973.27	\$46,307.98	0.037256	0.962744	0.926805	0.962707	0.037293	1731.3065
63.5	\$1,042,348.58	\$27,952.35	0.026817	0.973183	0.926876	0.962744	0.037256	1732.2333
64.5	\$910,864.95	\$44,547.30	0.048907	0.951093	0.947086	0.973183	0.026817	1733.1602
65.5	\$671,662.11	\$33,118.69	0.049309	0.950691	0.904579	0.951093	0.048907	1734.1073
66.5	\$605,670.12	\$14,759.34	0.024369	0.975631	0.903814	0.950691	0.049309	1735.0119
67.5	\$500,446.38	\$17,749.03	0.035466	0.964534	0.951857	0.975631	0.024369	1735.9157
68.5	\$376,139.55	\$15,883.48	0.042228	0.957772	0.930325	0.964534	0.035466	1736.8675
69.5	\$280,479.73	\$13,844.05	0.049358	0.950642	0.917328	0.957772	0.042228	1737.7979
70.5	\$229,830.78	\$14,442.22	0.062838	0.937162	0.903719	0.950642	0.049358	1738.7152
71.5	\$183,760.78	\$7,507.68	0.040856	0.959144	0.878272	0.937162	0.062838	1739.6189
72.5	\$172,787.30	\$15,753.34	0.091172	0.908828	0.919958	0.959144	0.040856	1740.4972
73.5	\$154,865.26	\$9,912.94	0.064010	0.935990	0.825969	0.908828	0.091172	1741.4171
74.5	\$132,877.59	\$6,141.11	0.046216	0.953784	0.876077	0.935990	0.064010	1742.2431
75.5	\$109,768.43	\$8,579.52	0.078160	0.921840	0.909703	0.953784	0.046216	1743.1192
76.5	\$83,999.53	\$2,144.04	0.025524	0.974476	0.849789	0.921840	0.078160	1744.0289
77.5	\$74,655.05	\$3,227.06	0.043226	0.956774	0.949603	0.974476	0.025524	1744.8787
78.5	\$67,882.41	\$2,325.61	0.034259	0.965741	0.915416	0.956774	0.043226	1745.8283
79.5	\$60,939.63	\$1,548.70	0.025414	0.974586	0.932655	0.965741	0.034259	1746.7437
80.5	\$51,103.06	\$12,391.35	0.242478	0.757522	0.949819	0.974586	0.025414	1747.6764
81.5	\$35,212.10	\$5,921.36	0.168163	0.831837	0.573840	0.757522	0.242478	1748.6262
82.5	\$28,870.89	\$1,265.87	0.043846	0.956154	0.691953	0.831837	0.168163	1749.2000
83.5	\$26,873.74	\$3,605.52	0.134165	0.865835	0.914231	0.956154	0.043846	1749.8920
84.5	\$22,930.50	\$55.08	0.002402	0.997598	0.749670	0.865835	0.134165	1750.8062
85.5	\$19,683.25	\$542.37	0.027555	0.972445	0.995202	0.997598	0.002402	1751.5559
86.5	\$16,378.33	\$0.00	0.000000	1.000000	0.945649	0.972445	0.027555	1752.5511
87.5	\$8,361.98	\$423.19	0.050609	0.949391	1.000000	1.000000	0.000000	1753.4967
88.5	\$4,219.04	\$0.00	0.000000	1.000000	0.901344	0.949391	0.050609	1754.4967
89.5	\$1,454.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1755.3981
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1756.3981
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1757.3981
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1758.3981
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1759.3981
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1760.3981
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1761.3981
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1762.3981
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1763.3981
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1764.3981
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1765.3981
100.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1766.3981
101.5					1.000000	1.000000	0.000000	1767.3981

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E368.20-Capacitors
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion		Surviving	
			Retired	Surviving	Surviving	Surviving		
0	\$84,349,092.78	\$142,061.57	0.001684	0.998316	0.996634	0.998316	0.001684	1768.3981
0.5	\$78,444,412.39	\$2,340,242.40	0.029833	0.970167	0.996634	0.998316	0.001684	1769.3947
1.5	\$71,812,178.14	\$3,373,150.57	0.046972	0.953028	0.941224	0.970167	0.029833	1770.3913
2.5	\$67,117,091.86	\$4,438,480.32	0.066130	0.933870	0.908263	0.953028	0.046972	1771.3326
3.5	\$56,124,243.76	\$4,066,466.78	0.072455	0.927545	0.872112	0.933870	0.066130	1772.2408
4.5	\$50,603,235.08	\$3,672,058.52	0.072566	0.927434	0.860340	0.927545	0.072455	1773.1129
5.5	\$45,896,481.03	\$3,967,204.48	0.086438	0.913562	0.860134	0.927434	0.072566	1773.9733
6.5	\$40,201,476.32	\$3,283,321.11	0.081672	0.918328	0.834595	0.913562	0.086438	1774.8334
7.5	\$36,054,002.89	\$2,334,111.93	0.064739	0.935261	0.843327	0.918328	0.081672	1775.6680
8.5	\$33,372,159.86	\$2,263,620.99	0.067830	0.932170	0.874713	0.935261	0.064739	1776.5113
9.5	\$30,507,177.40	\$2,062,799.21	0.067617	0.932383	0.868942	0.932170	0.067830	1777.3860
10.5	\$26,910,264.84	\$1,670,014.64	0.062059	0.937941	0.869338	0.932383	0.067617	1778.2550
11.5	\$24,797,239.44	\$2,055,013.72	0.082873	0.917127	0.879734	0.937941	0.062059	1779.1243
12.5	\$22,390,980.20	\$1,550,257.06	0.069236	0.930764	0.841123	0.917127	0.082873	1780.0041
13.5	\$20,595,841.43	\$1,404,804.75	0.068208	0.931792	0.866322	0.930764	0.069236	1780.8452
14.5	\$19,193,446.26	\$4,040,743.61	0.210527	0.789473	0.868236	0.931792	0.068208	1781.7115
15.5	\$15,127,724.24	\$1,823,256.71	0.120524	0.879476	0.623267	0.789473	0.210527	1782.5797
16.5	\$13,344,343.95	\$2,813,919.40	0.210870	0.789130	0.773478	0.879476	0.120524	1783.2030
17.5	\$10,591,294.91	\$2,551,586.98	0.240914	0.759086	0.622726	0.789130	0.210870	1783.9765
18.5	\$8,106,451.58	\$363,301.25	0.044816	0.955184	0.576212	0.759086	0.240914	1784.5992
19.5	\$7,765,911.50	\$444,867.40	0.057285	0.942715	0.912376	0.955184	0.044816	1785.1754
20.5	\$7,319,603.59	\$290,603.08	0.039702	0.960298	0.888712	0.942715	0.057285	1786.0878
21.5	\$7,036,952.59	\$331,901.37	0.047165	0.952835	0.922172	0.960298	0.039702	1786.9765
22.5	\$6,699,286.46	\$236,259.18	0.035266	0.964734	0.907894	0.952835	0.047165	1787.8987
23.5	\$6,339,470.39	\$168,939.80	0.026649	0.973351	0.930711	0.964734	0.035266	1788.8066
24.5	\$5,849,347.24	\$124,589.53	0.021300	0.978700	0.947412	0.973351	0.026649	1789.7373
25.5	\$5,523,600.32	\$184,682.20	0.033435	0.966565	0.957854	0.978700	0.021300	1790.6847
26.5	\$5,078,702.85	\$119,270.46	0.023484	0.976516	0.934248	0.966565	0.033435	1791.6425
27.5	\$4,902,152.93	\$117,124.19	0.023892	0.976108	0.953583	0.976516	0.023484	1792.5768
28.5	\$4,516,199.96	\$58,532.09	0.012960	0.987040	0.952786	0.976108	0.023892	1793.5304
29.5	\$4,068,098.38	\$134,801.55	0.033136	0.966864	0.974247	0.987040	0.012960	1794.4832
30.5	\$3,552,531.67	\$91,875.61	0.025862	0.974138	0.934825	0.966864	0.033136	1795.4574
31.5	\$3,326,455.54	\$98,587.39	0.029637	0.970363	0.948945	0.974138	0.025862	1796.3922
32.5	\$3,211,277.67	\$98,252.79	0.030596	0.969404	0.941604	0.970363	0.029637	1797.3412
33.5	\$3,114,753.88	\$100,839.95	0.032375	0.967625	0.939744	0.969404	0.030596	1798.2828
34.5	\$3,014,372.93	\$176,724.98	0.058627	0.941373	0.936298	0.967625	0.032375	1799.2225
35.5	\$2,830,853.01	\$107,534.91	0.037987	0.962013	0.886182	0.941373	0.058627	1800.1588
36.5	\$2,674,377.19	\$222,914.71	0.083352	0.916648	0.925469	0.962013	0.037987	1801.0450
37.5	\$2,359,677.19	\$71,342.56	0.030234	0.969766	0.840244	0.916648	0.083352	1801.9705
38.5	\$2,249,307.93	\$110,154.88	0.048973	0.951027	0.940446	0.969766	0.030234	1802.8107
39.5	\$2,134,725.83	\$246,916.15	0.115666	0.884334	0.904453	0.951027	0.048973	1803.7512
40.5	\$1,884,792.47	\$290,135.92	0.153935	0.846065	0.782046	0.884334	0.115666	1804.6556
41.5	\$1,587,187.53	\$184,174.93	0.116039	0.883961	0.715826	0.846065	0.153935	1805.4377
42.5	\$1,368,382.05	\$81,887.27	0.059842	0.940158	0.781388	0.883961	0.116039	1806.1535
43.5	\$1,249,533.64	\$32,422.41	0.025948	0.974052	0.883896	0.940158	0.059842	1806.9349
44.5	\$1,169,504.44	\$6,574.33	0.005621	0.994379	0.948778	0.974052	0.025948	1807.8188
45.5	\$1,163,614.11	\$10,427.80	0.008962	0.991038	0.988789	0.994379	0.005621	1808.7676
46.5	\$1,102,098.16	\$51,603.55	0.046823	0.953177	0.982157	0.991038	0.008962	1809.7563
47.5	\$1,044,751.03	\$42,539.65	0.040717	0.959283	0.908546	0.953177	0.046823	1810.7385
48.5	\$970,758.41	\$11,981.72	0.012343	0.987657	0.920223	0.959283	0.040717	1811.6470
49.5	\$950,347.65	\$16,727.23	0.017601	0.982399	0.975467	0.987657	0.012343	1812.5673
50.5	\$921,175.17	\$9,248.56	0.010040	0.989960	0.965107	0.982399	0.017601	1813.5427
51.5	\$880,252.35	\$21,402.84	0.024314	0.975686	0.980021	0.989960	0.010040	1814.5078
52.5	\$858,745.29	\$56,628.94	0.065944	0.934056	0.951962	0.975686	0.024314	1815.4879

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E368.20-Capacitors
Scenario: SDGE 2016 - Active Accounts
Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$789,374.94	\$65,790.88	0.083346	0.916654	0.872461	0.934056	0.065944	1816.4398
54.5	\$711,070.85	\$61,638.60	0.086684	0.913316	0.840255	0.916654	0.083346	1817.3123
55.5	\$537,440.70	\$21,866.28	0.040686	0.959314	0.834146	0.913316	0.086684	1818.1525
56.5	\$401,899.05	\$11,219.79	0.027917	0.972083	0.920283	0.959314	0.040686	1818.9867
57.5	\$322,350.51	\$25,358.46	0.078667	0.921333	0.944945	0.972083	0.027917	1819.9070
58.5	\$234,642.70	\$36,853.56	0.157062	0.842938	0.848854	0.921333	0.078667	1820.8519
59.5	\$141,195.01	\$23,393.45	0.165682	0.834318	0.710544	0.842938	0.157062	1821.7008
60.5	\$108,331.55	\$12,838.52	0.118511	0.881489	0.696087	0.834318	0.165682	1822.4113
61.5	\$94,804.40	\$13,334.89	0.140657	0.859343	0.777022	0.881489	0.118511	1823.1074
62.5	\$81,469.51	\$29,135.24	0.357621	0.642379	0.738471	0.859343	0.140657	1823.8844
63.5	\$40,595.29	\$10,085.41	0.248438	0.751562	0.412650	0.642379	0.357621	1824.6229
64.5	\$29,628.65	\$6,402.56	0.216094	0.783906	0.564846	0.751562	0.248438	1825.0355
65.5	\$8,073.04	\$0.00	0.000000	1.000000	0.614509	0.783906	0.216094	1825.6004
66.5	\$1,638.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1826.2149
67.5	\$1,638.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1827.2149
68.5	\$1,638.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1828.2149
69.5	\$1,638.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1829.2149
70.5	\$1,475.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1830.2149
71.5	\$1,475.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1831.2149
72.5	\$1,475.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1832.2149
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1833.2149
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1834.2149
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1835.2149
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1836.2149
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1837.2149
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1838.2149
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1839.2149
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1840.2149
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1841.2149
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1842.2149
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1843.2149
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1844.2149
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1845.2149
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1846.2149
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1847.2149
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1848.2149
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1849.2149
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1850.2149
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1851.2149
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1852.2149
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1853.2149
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1854.2149
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1855.2149
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1856.2149
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1857.2149
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1858.2149
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1859.2149
100.5					1.000000	1.000000	0.000000	1860.2149

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E369.10-Services Overhead
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$158,234,754.10	\$6,413.73	0.000041	0.999959	0.999919
0.5	\$146,510,087.46	\$72,315.99	0.000494	0.999506	0.999919
1.5	\$141,291,189.37	\$271,009.15	0.001918	0.998082	0.999013
2.5	\$136,050,382.79	\$390,989.54	0.002874	0.997126	0.996168
3.5	\$130,764,253.44	\$486,599.59	0.003721	0.996279	0.994261
4.5	\$125,520,840.58	\$615,623.86	0.004905	0.995095	0.992571
5.5	\$119,926,116.93	\$619,888.40	0.005169	0.994831	0.990215
6.5	\$113,504,551.11	\$649,462.34	0.005722	0.994278	0.989689
7.5	\$106,905,076.95	\$687,144.53	0.006428	0.993572	0.988589
8.5	\$100,257,932.10	\$702,690.97	0.007009	0.992991	0.987186
9.5	\$93,506,141.78	\$743,958.44	0.007956	0.992044	0.986031
10.5	\$88,354,068.89	\$766,680.90	0.008677	0.991323	0.984151
11.5	\$83,491,175.44	\$721,862.56	0.008646	0.991354	0.982721
12.5	\$78,029,240.02	\$669,549.59	0.008581	0.991419	0.982783
13.5	\$73,009,630.13	\$632,085.29	0.008658	0.991342	0.982912
14.5	\$69,695,169.01	\$603,090.72	0.008653	0.991347	0.982760
15.5	\$67,344,927.36	\$602,608.59	0.008948	0.991052	0.982768
16.5	\$65,484,700.22	\$606,653.01	0.009264	0.990736	0.982184
17.5	\$63,461,986.51	\$631,932.61	0.009958	0.990042	0.981558
18.5	\$60,778,058.47	\$769,826.58	0.012666	0.987334	0.980184
19.5	\$57,960,627.12	\$889,230.13	0.015342	0.984658	0.974828
20.5	\$55,210,360.01	\$735,401.53	0.013320	0.986680	0.969551
21.5	\$51,690,076.38	\$553,983.57	0.010717	0.989283	0.973537
22.5	\$48,614,796.44	\$574,336.27	0.011814	0.988186	0.978680
23.5	\$45,462,125.03	\$488,017.36	0.010735	0.989265	0.976512
24.5	\$42,577,261.51	\$460,294.70	0.010811	0.989189	0.978646
25.5	\$39,579,696.54	\$425,977.80	0.010763	0.989237	0.978495
26.5	\$36,943,570.30	\$378,161.26	0.010236	0.989764	0.978591
27.5	\$34,679,825.02	\$361,363.39	0.010420	0.989580	0.979632
28.5	\$32,306,262.31	\$327,097.25	0.010125	0.989875	0.979269
29.5	\$30,248,820.76	\$308,091.53	0.010185	0.989815	0.979853
30.5	\$28,024,961.49	\$288,878.12	0.010308	0.989692	0.979733
31.5	\$25,413,921.09	\$266,868.10	0.010501	0.989499	0.979490
32.5	\$23,586,978.11	\$273,178.87	0.011582	0.988418	0.979109
33.5	\$21,886,242.89	\$238,927.74	0.010917	0.989083	0.976971
34.5	\$20,178,301.40	\$224,370.66	0.011119	0.988881	0.978286
35.5	\$18,742,253.70	\$215,303.53	0.011488	0.988512	0.977885
36.5	\$17,181,402.78	\$210,927.56	0.012277	0.987723	0.977157
37.5	\$15,812,420.14	\$206,183.30	0.013039	0.986961	0.975598
38.5	\$14,492,862.65	\$192,082.00	0.013254	0.986746	0.974091
39.5	\$13,353,513.04	\$171,156.46	0.012817	0.987183	0.973669
40.5	\$12,391,465.70	\$176,666.00	0.014257	0.985743	0.974530
41.5	\$11,418,301.40	\$159,992.69	0.014012	0.985988	0.971689
42.5	\$10,338,265.76	\$149,419.54	0.014453	0.985547	0.972172
43.5	\$9,459,454.14	\$147,496.41	0.015592	0.984408	0.971303
44.5	\$8,529,228.48	\$136,513.10	0.016005	0.983995	0.969058
45.5	\$7,734,098.08	\$133,866.53	0.017309	0.982691	0.968246
46.5	\$6,983,900.72	\$126,646.68	0.018134	0.981866	0.965682
47.5	\$6,207,291.16	\$101,924.72	0.016420	0.983580	0.964061
48.5	\$5,482,882.18	\$91,636.25	0.016713	0.983287	0.967429
49.5	\$4,858,836.69	\$89,460.28	0.018412	0.981588	0.966853
50.5	\$4,340,942.16	\$77,331.57	0.017814	0.982186	0.963515
51.5	\$3,867,352.85	\$68,870.26	0.017808	0.982192	0.964688
52.5	\$3,397,472.68	\$56,592.75	0.016657	0.983343	0.964701

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E369.10-Services Overhead
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative			
			Retired	Surviving	Proportion	Surviving	Surviving	
53.5	\$2,930,127.65	\$51,534.89	0.017588	0.982412	0.966963	0.983343	0.016657	1914.0840
54.5	\$2,485,685.65	\$40,852.22	0.016435	0.983565	0.965133	0.982412	0.017588	1915.0510
55.5	\$1,986,830.50	\$35,837.14	0.018037	0.981963	0.967400	0.983565	0.016435	1916.0161
56.5	\$1,397,138.56	\$33,339.74	0.023863	0.976137	0.964251	0.981963	0.018037	1916.9835
57.5	\$827,572.79	\$24,450.85	0.029545	0.970455	0.952844	0.976137	0.023863	1917.9477
58.5	\$446,477.98	\$16,743.75	0.037502	0.962498	0.941782	0.970455	0.029545	1918.9006
59.5	\$126,612.42	\$11,461.46	0.090524	0.909476	0.926403	0.962498	0.037502	1919.8424
60.5	\$0.00	\$0.00	0.000000	1.000000	0.827147	0.909476	0.090524	1920.7688
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1921.5959
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1922.5959
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1923.5959
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1924.5959
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1925.5959
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1926.5959
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1927.5959
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1928.5959
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1929.5959
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1930.5959
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1931.5959
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1932.5959
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1933.5959
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1934.5959
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1935.5959
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1936.5959
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1937.5959
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1938.5959
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1939.5959
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1940.5959
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1941.5959
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1942.5959
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1943.5959
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1944.5959
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1945.5959
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1946.5959
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1947.5959
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1948.5959
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1949.5959
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1950.5959
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1951.5959
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1952.5959
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1953.5959
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1954.5959
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1955.5959
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1956.5959
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1957.5959
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1958.5959
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	1959.5959
100.5					1.000000	1.000000	0.000000	1960.5959

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E369.20-Services Underground
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$357,216,175.60	\$73,330.92	0.000205	0.999795	0.999589
0.5	\$353,059,282.37	\$1,889,213.56	0.005351	0.994649	0.999589
1.5	\$340,554,328.09	\$2,453,563.20	0.007205	0.992795	0.989327
2.5	\$328,828,128.38	\$1,020,984.44	0.003105	0.996895	0.985643
3.5	\$319,502,081.09	\$793,697.80	0.002484	0.997516	0.993800
4.5	\$310,356,430.00	\$929,181.56	0.002994	0.997006	0.995038
5.5	\$301,789,855.06	\$807,187.76	0.002675	0.997325	0.994021
6.5	\$291,950,978.06	\$737,511.37	0.002526	0.997474	0.994658
7.5	\$281,139,520.81	\$930,725.24	0.003311	0.996689	0.994954
8.5	\$268,289,276.91	\$670,053.69	0.002498	0.997502	0.993390
9.5	\$254,313,516.71	\$630,158.96	0.002478	0.997522	0.995011
10.5	\$239,626,344.71	\$565,183.33	0.002359	0.997641	0.995050
11.5	\$226,706,920.20	\$593,276.41	0.002617	0.997383	0.995288
12.5	\$213,447,398.29	\$526,447.28	0.002466	0.997534	0.994773
13.5	\$200,582,480.54	\$410,113.94	0.002045	0.997955	0.995073
14.5	\$188,871,401.49	\$365,872.06	0.001937	0.998063	0.995915
15.5	\$178,894,787.40	\$435,521.15	0.002435	0.997565	0.996129
16.5	\$171,028,144.85	\$244,315.45	0.001429	0.998571	0.995137
17.5	\$162,828,430.58	\$258,620.86	0.001588	0.998412	0.997145
18.5	\$152,778,445.47	\$250,733.62	0.001641	0.998359	0.996826
19.5	\$144,515,376.82	\$239,792.45	0.001659	0.998341	0.996720
20.5	\$136,481,936.60	\$172,615.48	0.001265	0.998735	0.996684
21.5	\$129,258,090.68	\$216,161.96	0.001672	0.998328	0.997472
22.5	\$121,788,481.36	\$277,104.82	0.002275	0.997725	0.996658
23.5	\$114,940,842.41	\$307,155.36	0.002672	0.997328	0.995455
24.5	\$106,285,515.28	\$260,200.93	0.002448	0.997552	0.994663
25.5	\$98,581,653.73	\$295,605.84	0.002999	0.997001	0.995110
26.5	\$89,372,039.01	\$379,604.65	0.004247	0.995753	0.994012
27.5	\$80,212,311.13	\$574,688.36	0.007165	0.992835	0.991523
28.5	\$70,462,032.92	\$587,897.41	0.008343	0.991657	0.985722
29.5	\$61,212,982.33	\$207,820.02	0.003395	0.996605	0.983383
30.5	\$52,790,597.94	\$203,977.58	0.003864	0.996136	0.993221
31.5	\$45,938,943.22	\$161,426.28	0.003514	0.996486	0.992287
32.5	\$39,973,654.45	\$170,508.16	0.004266	0.995734	0.992984
33.5	\$35,515,379.24	\$80,170.41	0.002257	0.997743	0.991487
34.5	\$31,665,264.81	\$124,257.33	0.003924	0.996076	0.995490
35.5	\$27,794,410.85	\$91,450.26	0.003290	0.996710	0.992167
36.5	\$24,123,772.58	\$82,805.51	0.003433	0.996567	0.993430
37.5	\$19,936,916.15	\$130,544.31	0.006548	0.993452	0.993147
38.5	\$16,128,193.10	\$67,055.24	0.004158	0.995842	0.986947
39.5	\$12,382,480.97	\$66,271.79	0.005352	0.994648	0.991702
40.5	\$9,232,301.43	\$87,485.74	0.009476	0.990524	0.989325
41.5	\$7,565,762.77	\$47,220.37	0.006241	0.993759	0.981138
42.5	\$5,892,419.47	\$45,801.93	0.007773	0.992227	0.987556
43.5	\$4,413,804.47	\$27,849.94	0.006310	0.993690	0.984514
44.5	\$3,043,256.42	\$22,071.63	0.007253	0.992747	0.987420
45.5	\$2,093,052.16	\$27,327.70	0.013056	0.986944	0.985547
46.5	\$1,479,380.20	\$30,489.21	0.020609	0.979391	0.974058
47.5	\$894,242.85	\$39,113.98	0.043740	0.956260	0.959206
48.5	\$495,003.19	\$21,367.88	0.043167	0.956833	0.914434
49.5	\$364,457.55	\$35,511.80	0.097437	0.902563	0.915529
50.5	\$280,177.84	\$21,071.16	0.075206	0.924794	0.814619
51.5	\$198,463.52	\$18,692.86	0.094188	0.905812	0.855243
52.5	\$179,770.66	\$12,196.11	0.067843	0.932157	0.820496

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E369.20-Services Underground
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative			
			Retired	Surviving	Proportion	Surviving	Surviving	
53.5	\$174,935.55	\$11,264.85	0.064394	0.935606	0.868917	0.932157	0.067843	2014.5116
54.5	\$163,670.70	\$13,501.83	0.082494	0.917506	0.875358	0.935606	0.064394	2015.3805
55.5	\$150,168.87	\$25,988.87	0.173064	0.826936	0.841817	0.917506	0.082494	2016.2559
56.5	\$124,180.00	\$19,336.19	0.155711	0.844289	0.683823	0.826936	0.173064	2017.0977
57.5	\$104,843.81	\$8,946.18	0.085329	0.914671	0.712824	0.844289	0.155711	2017.7815
58.5	\$95,897.63	\$12,669.65	0.132116	0.867884	0.836624	0.914671	0.085329	2018.4944
59.5	\$83,227.98	\$4,313.37	0.051826	0.948174	0.753222	0.867884	0.132116	2019.3310
60.5	\$78,914.61	\$3,771.86	0.047797	0.952203	0.899034	0.948174	0.051826	2020.0842
61.5	\$75,142.75	\$2,713.35	0.036109	0.963891	0.906691	0.952203	0.047797	2020.9832
62.5	\$72,429.40	\$2,317.89	0.032002	0.967998	0.929085	0.963891	0.036109	2021.8899
63.5	\$70,111.51	\$760.09	0.010841	0.989159	0.937020	0.967998	0.032002	2022.8190
64.5	\$69,351.42	\$270.24	0.003897	0.996103	0.978435	0.989159	0.010841	2023.7560
65.5	\$69,081.18	\$378.68	0.005482	0.994518	0.992222	0.996103	0.003897	2024.7345
66.5	\$68,702.50	\$2,783.98	0.040522	0.959478	0.989067	0.994518	0.005482	2025.7267
67.5	\$65,918.52	\$2,414.19	0.036624	0.963376	0.920598	0.959478	0.040522	2026.7158
68.5	\$63,504.33	\$8,930.88	0.140634	0.859366	0.928094	0.963376	0.036624	2027.6364
69.5	\$54,573.45	\$8,089.82	0.148237	0.851763	0.738510	0.859366	0.140634	2028.5645
70.5	\$46,483.63	\$7,837.79	0.168614	0.831386	0.725500	0.851763	0.148237	2029.3030
71.5	\$38,645.84	\$19,465.89	0.503699	0.496301	0.691203	0.831386	0.168614	2030.0285
72.5	\$19,179.95	\$9,069.95	0.472887	0.527113	0.246314	0.496301	0.503699	2030.7197
73.5	\$10,110.00	\$0.00	0.000000	1.000000	0.277848	0.527113	0.472887	2030.9660
74.5	\$10,110.00	\$148.00	0.014639	0.985361	1.000000	1.000000	0.000000	2031.2438
75.5	\$9,962.00	\$2,749.00	0.275949	0.724051	0.970936	0.985361	0.014639	2032.2438
76.5	\$7,213.00	\$0.00	0.000000	1.000000	0.524250	0.724051	0.275949	2033.2148
77.5	\$7,213.00	\$29.00	0.004021	0.995979	1.000000	1.000000	0.000000	2033.7390
78.5	\$7,184.00	\$43.00	0.005986	0.994014	0.991975	0.995979	0.004021	2034.7390
79.5	\$7,141.00	\$238.00	0.033329	0.966671	0.988065	0.994014	0.005986	2035.7310
80.5	\$6,903.00	\$0.00	0.000000	1.000000	0.934453	0.966671	0.033329	2036.7191
81.5	\$6,903.00	\$6,903.00	1.000000	0.000000	1.000000	1.000000	0.000000	2037.6535
82.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2038.6535
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2038.6535
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2039.6535
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2040.6535
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2041.6535
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2042.6535
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2043.6535
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2044.6535
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2045.6535
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2046.6535
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2047.6535
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2048.6535
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2049.6535
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2050.6535
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2051.6535
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2052.6535
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2053.6535
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2054.6535
100.5					1.000000	1.000000	0.000000	2055.6535

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E370.10-Meters
Scenario: SDGE 2016 - Active Accounts
Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$94,198,593.27	\$25,479.00	0.000270	0.999730	0.999459
0.5	\$95,694,487.98	\$236,785.56	0.002474	0.997526	0.999459
1.5	\$96,270,057.73	\$2,879,569.19	0.029911	0.970089	0.995057
2.5	\$93,721,730.04	\$2,963,531.54	0.031621	0.968379	0.941072
3.5	\$91,115,543.49	\$2,904,137.22	0.031873	0.968127	0.937759
4.5	\$88,635,739.69	\$3,236,107.85	0.036510	0.963490	0.937270
5.5	\$85,814,505.86	\$3,972,923.83	0.046297	0.953703	0.928313
6.5	\$82,137,403.47	\$3,233,661.49	0.039369	0.960631	0.909550
7.5	\$79,289,411.19	\$3,930,593.33	0.049573	0.950427	0.922812
8.5	\$75,642,247.85	\$5,908,267.70	0.078108	0.921892	0.903312
9.5	\$70,335,541.59	\$4,407,122.71	0.062659	0.937341	0.849885
10.5	\$66,288,097.71	\$2,917,432.80	0.044011	0.955989	0.878609
11.5	\$63,772,567.88	\$2,357,968.41	0.036975	0.963025	0.913914
12.5	\$61,573,426.12	\$1,484,929.93	0.024116	0.975884	0.927418
13.5	\$60,206,237.79	\$1,098,299.58	0.018242	0.981758	0.952349
14.5	\$59,150,403.00	\$1,630,124.23	0.027559	0.972441	0.963848
15.5	\$57,768,864.56	\$2,423,720.16	0.041955	0.958045	0.945642
16.5	\$55,636,811.98	\$2,957,808.05	0.053163	0.946837	0.917849
17.5	\$52,879,846.55	\$1,967,239.92	0.037202	0.962798	0.896501
18.5	\$51,340,965.21	\$2,803,918.62	0.054614	0.945386	0.926980
19.5	\$48,662,778.85	\$2,760,510.99	0.056727	0.943273	0.893755
20.5	\$46,074,674.46	\$3,391,053.40	0.073599	0.926401	0.889763
21.5	\$42,911,574.95	\$3,568,672.01	0.083163	0.916837	0.858219
22.5	\$39,538,637.24	\$3,987,331.28	0.100846	0.899154	0.840589
23.5	\$35,659,062.38	\$4,254,559.93	0.119312	0.880688	0.808477
24.5	\$31,473,247.01	\$4,591,741.78	0.145893	0.854107	0.775611
25.5	\$26,940,751.92	\$2,633,078.29	0.097736	0.902264	0.729498
26.5	\$24,393,583.69	\$1,272,858.81	0.052180	0.947820	0.814081
27.5	\$23,154,511.28	\$1,072,484.80	0.046319	0.953681	0.898363
28.5	\$22,159,521.85	\$2,687,376.91	0.121274	0.878726	0.909508
29.5	\$19,513,023.98	\$1,161,602.05	0.059530	0.940470	0.772159
30.5	\$18,408,733.36	\$2,279,573.36	0.123831	0.876169	0.884485
31.5	\$16,177,076.38	\$1,729,068.27	0.106884	0.893116	0.767672
32.5	\$14,497,494.77	\$1,495,219.39	0.103136	0.896864	0.797656
33.5	\$13,042,208.45	\$876,906.74	0.067236	0.932764	0.804364
34.5	\$12,200,553.00	\$853,598.76	0.069964	0.930036	0.870049
35.5	\$11,350,542.24	\$1,234,086.63	0.108725	0.891275	0.864967
36.5	\$10,120,844.39	\$640,872.37	0.063322	0.936678	0.794371
37.5	\$9,488,105.58	\$663,941.33	0.069976	0.930024	0.877366
38.5	\$8,838,197.18	\$1,088,530.28	0.123162	0.876838	0.864944
39.5	\$7,767,345.01	\$884,781.56	0.113910	0.886090	0.768845
40.5	\$6,899,994.96	\$537,219.40	0.077858	0.922142	0.785155
41.5	\$6,384,959.44	\$468,365.40	0.073354	0.926646	0.850346
42.5	\$5,947,628.30	\$467,275.25	0.078565	0.921435	0.858672
43.5	\$5,520,168.33	\$332,824.11	0.060292	0.939708	0.849043
44.5	\$5,219,796.17	\$379,765.44	0.072755	0.927245	0.883050
45.5	\$4,865,565.30	\$407,888.14	0.083832	0.916168	0.859784
46.5	\$4,474,388.00	\$379,359.30	0.084785	0.915215	0.839365
47.5	\$4,111,019.47	\$326,664.40	0.079461	0.920539	0.837619
48.5	\$3,807,864.24	\$310,400.19	0.081516	0.918484	0.847393
49.5	\$3,508,822.52	\$423,804.07	0.120782	0.879218	0.843614
50.5	\$3,086,904.45	\$415,518.73	0.134607	0.865393	0.773024
51.5	\$2,678,503.72	\$464,275.15	0.173334	0.826666	0.748905
52.5	\$2,217,976.57	\$300,630.28	0.135543	0.864457	0.683377

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E370.10-Meters
Scenario: SDGE 2016 - Active Accounts
Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$1,925,253.29	\$227,684.40	0.118262	0.881738	0.747287	0.864457	0.135543	2103.44471
54.5	\$1,697,568.89	\$190,771.50	0.112379	0.887621	0.777462	0.881738	0.118262	2104.19191
55.5	\$1,506,797.39	\$180,478.28	0.119776	0.880224	0.787871	0.887621	0.112379	2104.96944
56.5	\$1,326,319.11	\$172,590.96	0.130128	0.869872	0.774794	0.880224	0.119776	2105.75733
57.5	\$1,153,728.15	\$131,579.17	0.114047	0.885953	0.756678	0.869872	0.130128	2106.53211
58.5	\$1,022,148.98	\$199,567.14	0.195243	0.804757	0.784913	0.885953	0.114047	2107.28871
59.5	\$822,581.84	\$197,180.61	0.239709	0.760291	0.647634	0.804757	0.195243	2108.07371
60.5	\$625,401.23	\$51,941.29	0.083053	0.916947	0.578042	0.760291	0.239709	2108.72131
61.5	\$573,459.94	\$87,251.76	0.152150	0.847850	0.840792	0.916947	0.083053	2109.29931
62.5	\$486,208.18	\$80,760.23	0.166102	0.833898	0.718850	0.847850	0.152150	2110.14011
63.5	\$405,447.95	\$65,849.12	0.162411	0.837589	0.695386	0.833898	0.166102	2110.85901
64.5	\$339,598.83	\$40,779.89	0.120083	0.879917	0.701556	0.837589	0.162411	2111.55441
65.5	\$298,818.94	\$34,612.19	0.115830	0.884170	0.774255	0.879917	0.120083	2112.25591
66.5	\$264,206.75	\$58,896.50	0.222918	0.777082	0.781757	0.884170	0.115830	2113.03021
67.5	\$205,310.25	\$46,956.70	0.228711	0.771289	0.603856	0.777082	0.222918	2113.81191
68.5	\$158,353.55	\$13,486.57	0.085167	0.914833	0.594887	0.771289	0.228711	2114.41581
69.5	\$144,866.98	\$9,005.49	0.062164	0.937836	0.836919	0.914833	0.085167	2115.01071
70.5	\$135,861.49	\$10,363.91	0.076283	0.923717	0.879537	0.937836	0.062164	2115.84761
71.5	\$125,497.58	\$13,831.03	0.110210	0.889790	0.853253	0.923717	0.076283	2116.72711
72.5	\$111,666.55	\$17,099.71	0.153132	0.846868	0.791727	0.889790	0.110210	2117.58041
73.5	\$94,566.84	\$10,310.68	0.109031	0.890969	0.717186	0.846868	0.153132	2118.37211
74.5	\$84,256.16	\$5,864.17	0.069599	0.930401	0.793826	0.890969	0.109031	2119.08931
75.5	\$78,391.99	\$2,721.14	0.034712	0.965288	0.865645	0.930401	0.069599	2119.88311
76.5	\$75,670.85	\$4,932.50	0.065184	0.934816	0.931781	0.965288	0.034712	2120.74881
77.5	\$70,738.35	\$14,539.79	0.205543	0.794457	0.873882	0.934816	0.065184	2121.68051
78.5	\$56,198.56	\$20,379.69	0.362637	0.637363	0.631162	0.794457	0.205543	2122.55441
79.5	\$35,818.87	\$27,642.62	0.771733	0.228267	0.406231	0.637363	0.362637	2123.18561
80.5	\$8,176.25	\$5,142.95	0.629011	0.370989	0.052106	0.228267	0.771733	2123.59181
81.5	\$3,033.30	\$2,976.29	0.981205	0.018795	0.137633	0.370989	0.629011	2123.64391
82.5	\$57.01	\$45.49	0.797930	0.202070	0.000353	0.018795	0.981205	2123.78161
83.5	\$11.52	\$11.52	1.000000	0.000000	0.040832	0.202070	0.797930	2123.78191
84.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2123.82271
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2123.82271
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2124.82271
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2125.82271
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2126.82271
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2127.82271
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2128.82271
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2129.82271
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2130.82271
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2131.82271
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2132.82271
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2133.82271
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2134.82271
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2135.82271
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2136.82271
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2137.82271
100.5					1.000000	1.000000	0.000000	2138.82271

Observed Life Report

Account: E370.11-Meters - Electronic
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$191,012,306.03	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2139.8227
0.5	\$190,067,526.41	\$3,897.47	0.000021	0.999979	1.000000	1.000000	0.000000	2140.8227
1.5	\$187,720,080.09	\$14,024.72	0.000075	0.999925	0.999959	0.999979	0.000021	2141.8227
2.5	\$186,793,783.22	\$51,544.14	0.000276	0.999724	0.999851	0.999925	0.000075	2142.8227
3.5	\$185,716,369.68	\$285,971.81	0.001540	0.998460	0.999448	0.999724	0.000276	2143.8226
4.5	\$176,465,746.45	\$533,923.87	0.003026	0.996974	0.996923	0.998460	0.001540	2144.8220
5.5	\$136,622,180.98	\$534,560.40	0.003913	0.996087	0.993958	0.996974	0.003026	2145.8189
6.5	\$21,465,668.31	\$174,995.59	0.008152	0.991848	0.992190	0.996087	0.003913	2146.8129
7.5	\$414,573.44	\$314.23	0.000758	0.999242	0.983762	0.991848	0.008152	2147.8051
8.5	(\$6.54)	\$0.00	0.000000	1.000000	0.998485	0.999242	0.000758	2148.7888
9.5					1.000000	1.000000	0.000000	2149.7873

San Diego Gas & Electric Company
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Observed Life Report

Account: E370.20-Meter Installations
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$59,476,547.15	\$10,318.00	0.000173	0.999827	0.999653
0.5	\$59,394,607.06	\$1,928,524.77	0.032470	0.967530	0.999653
1.5	\$56,451,190.48	\$4,807,601.81	0.085164	0.914836	0.936115
2.5	\$50,463,866.26	\$3,137,374.73	0.062171	0.937829	0.836925
3.5	\$45,855,768.68	\$2,116,635.45	0.046159	0.953841	0.879524
4.5	\$42,588,654.79	\$2,170,597.65	0.050967	0.949033	0.909814
5.5	\$40,564,770.30	\$2,282,322.64	0.056264	0.943736	0.900664
6.5	\$38,418,520.58	\$2,694,960.00	0.070147	0.929853	0.890638
7.5	\$35,858,304.89	\$2,416,778.67	0.067398	0.932602	0.864626
8.5	\$33,584,819.73	\$2,165,253.88	0.064471	0.935529	0.869746
9.5	\$31,581,805.00	\$1,662,615.84	0.052645	0.947355	0.875214
10.5	\$30,050,560.67	\$1,510,480.10	0.050265	0.949735	0.897482
11.5	\$28,655,488.89	\$1,531,498.06	0.053445	0.946555	0.901997
12.5	\$27,230,248.60	\$944,907.26	0.034701	0.965299	0.895966
13.5	\$26,360,832.05	\$1,215,977.89	0.046128	0.953872	0.931803
14.5	\$25,221,895.79	\$1,304,507.67	0.051721	0.948279	0.909871
15.5	\$23,983,068.46	\$1,279,852.65	0.053365	0.946635	0.899233
16.5	\$22,780,870.78	\$1,318,355.22	0.057871	0.942129	0.896118
17.5	\$21,529,348.33	\$1,221,550.44	0.056739	0.943261	0.887607
18.5	\$20,409,030.16	\$1,709,350.63	0.083755	0.916245	0.889742
19.5	\$18,731,620.81	\$1,792,668.12	0.095703	0.904297	0.839506
20.5	\$16,977,663.34	\$1,494,260.35	0.088013	0.911987	0.817753
21.5	\$15,531,821.84	\$1,383,942.26	0.089104	0.910896	0.831720
22.5	\$14,182,676.98	\$1,511,063.16	0.106543	0.893457	0.829732
23.5	\$12,690,152.30	\$1,250,780.57	0.098563	0.901437	0.798266
24.5	\$11,452,933.20	\$930,017.11	0.081203	0.918797	0.812589
25.5	\$10,534,757.42	\$859,713.47	0.081607	0.918393	0.844187
26.5	\$9,695,704.36	\$541,336.56	0.055833	0.944167	0.843445
27.5	\$9,161,895.80	\$511,055.07	0.055780	0.944220	0.891452
28.5	\$8,666,645.86	\$669,348.29	0.077233	0.922767	0.891550
29.5	\$8,004,661.02	\$671,895.34	0.083938	0.916062	0.851500
30.5	\$7,343,754.00	\$695,156.88	0.094660	0.905340	0.839170
31.5	\$6,658,577.87	\$680,407.26	0.102185	0.897815	0.819641
32.5	\$5,987,313.59	\$714,676.95	0.119365	0.880635	0.806072
33.5	\$5,280,944.59	\$559,856.09	0.106014	0.893986	0.775518
34.5	\$4,726,251.62	\$490,244.20	0.103728	0.896272	0.799210
35.5	\$4,236,438.42	\$431,944.84	0.101959	0.898041	0.803304
36.5	\$3,805,023.10	\$566,362.83	0.148846	0.851154	0.806477
37.5	\$3,239,906.76	\$325,887.48	0.100585	0.899415	0.724463
38.5	\$2,915,790.16	\$415,833.70	0.142614	0.857386	0.808947
39.5	\$2,502,268.15	\$316,142.21	0.126342	0.873658	0.735110
40.5	\$2,188,527.33	\$226,489.45	0.103489	0.896511	0.763278
41.5	\$1,965,214.36	\$183,843.75	0.093549	0.906451	0.803731
42.5	\$1,785,564.09	\$164,339.58	0.092038	0.907962	0.821653
43.5	\$1,625,960.18	\$115,939.47	0.071305	0.928695	0.824395
44.5	\$1,513,638.56	\$133,506.08	0.088202	0.911798	0.862474
45.5	\$1,383,074.34	\$140,066.79	0.101272	0.898728	0.831375
46.5	\$1,244,923.12	\$136,712.35	0.109816	0.890184	0.807712
47.5	\$1,110,405.78	\$116,448.37	0.104870	0.895130	0.792428
48.5	\$996,421.13	\$117,082.58	0.117503	0.882497	0.801258
49.5	\$880,556.01	\$119,103.07	0.135259	0.864741	0.778801
50.5	\$761,602.94	\$119,137.73	0.156430	0.843570	0.747777
51.5	\$643,128.21	\$129,102.11	0.200741	0.799259	0.711610
52.5	\$514,385.10	\$79,067.92	0.153713	0.846287	0.638815

San Diego Gas & Electric Company
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Observed Life Report

Account: E370.20-Meter Installations
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative			
			Retired	Surviving	Proportion	Surviving	Surviving	Surviving
53.5	\$436,009.18	\$57,142.35	0.131058	0.868942	0.716201	0.846287	0.153713	2196.2146
54.5	\$378,866.83	\$46,404.65	0.122483	0.877517	0.755061	0.868942	0.131058	2196.9308
55.5	\$332,462.18	\$45,404.97	0.136572	0.863428	0.770037	0.877517	0.122483	2197.6859
56.5	\$287,057.21	\$43,180.61	0.150425	0.849575	0.745508	0.863428	0.136572	2198.4559
57.5	\$243,876.60	\$31,815.88	0.130459	0.869541	0.721778	0.849575	0.150425	2199.2014
58.5	\$212,060.72	\$48,762.03	0.229944	0.770056	0.756102	0.869541	0.130459	2199.9232
59.5	\$163,298.69	\$48,609.14	0.297670	0.702330	0.592987	0.770056	0.229944	2200.6793
60.5	\$114,689.55	\$10,002.00	0.087209	0.912791	0.493267	0.702330	0.297670	2201.2723
61.5	\$104,687.55	\$18,371.30	0.175487	0.824513	0.833187	0.912791	0.087209	2201.7656
62.5	\$86,316.25	\$15,554.07	0.180199	0.819801	0.679822	0.824513	0.175487	2202.5988
63.5	\$70,762.18	\$10,987.71	0.155277	0.844723	0.672074	0.819801	0.180199	2203.2786
64.5	\$59,774.47	\$6,938.23	0.116073	0.883927	0.713558	0.844723	0.155277	2203.9506
65.5	\$52,836.24	\$6,823.12	0.129137	0.870863	0.781326	0.883927	0.116073	2204.6642
66.5	\$46,013.12	\$10,829.68	0.235361	0.764639	0.758402	0.870863	0.129137	2205.4455
67.5	\$35,183.44	\$11,074.80	0.314773	0.685227	0.584673	0.764639	0.235361	2206.2039
68.5	\$24,108.64	\$1,453.20	0.060277	0.939723	0.469536	0.685227	0.314773	2206.7886
69.5	\$22,655.44	\$941.71	0.041567	0.958433	0.883079	0.939723	0.060277	2207.2581
70.5	\$21,713.73	\$2,480.12	0.114219	0.885781	0.918595	0.958433	0.041567	2208.1412
71.5	\$19,233.61	\$2,004.49	0.104218	0.895782	0.784608	0.885781	0.114219	2209.0598
72.5	\$17,229.12	\$2,226.86	0.129250	0.870750	0.802425	0.895782	0.104218	2209.8444
73.5	\$15,002.26	\$1,909.51	0.127281	0.872719	0.758206	0.870750	0.129250	2210.6469
74.5	\$13,092.75	\$2,546.31	0.194482	0.805518	0.761638	0.872719	0.127281	2211.4051
75.5	\$10,546.44	\$170.52	0.016168	0.983832	0.648859	0.805518	0.194482	2212.1667
76.5	\$10,375.92	\$375.03	0.036144	0.963856	0.967924	0.983832	0.016168	2212.8156
77.5	\$10,000.89	\$1,022.36	0.102227	0.897773	0.929018	0.963856	0.036144	2213.7835
78.5	\$8,978.53	\$2,282.90	0.254262	0.745738	0.805997	0.897773	0.102227	2214.7125
79.5	\$6,695.63	\$4,837.15	0.722434	0.277566	0.556125	0.745738	0.254262	2215.5185
80.5	\$1,858.48	\$1,243.24	0.668955	0.331045	0.077043	0.277566	0.722434	2216.0746
81.5	\$615.24	\$526.25	0.855357	0.144643	0.109591	0.331045	0.668955	2216.1517
82.5	\$88.99	\$88.99	1.000000	0.000000	0.020922	0.144643	0.855357	2216.2612
83.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2216.2822
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2216.2822
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2217.2822
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2218.2822
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2219.2822
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2220.2822
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2221.2822
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2222.2822
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2223.2822
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2224.2822
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2225.2822
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2226.2822
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2227.2822
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2228.2822
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2229.2822
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2230.2822
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2231.2822
100.5					1.000000	1.000000	0.000000	2232.2822

Observed Life Report

Account: E370.21-Meter Instllns-Elctr
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$50,709,145.10	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2233.2822	
0.5	\$50,678,635.75	\$146.38	0.000003	0.999997	1.000000	1.000000	0.000000	2234.2822	
1.5	\$50,467,806.40	\$0.00	0.000000	1.000000	0.999994	0.999997	0.000003	2235.2822	
2.5	\$50,160,705.73	\$106.66	0.000002	0.999998	1.000000	1.000000	0.000000	2236.2822	
3.5	\$46,699,194.90	\$0.00	0.000000	1.000000	0.999996	0.999998	0.000002	2237.2822	
4.5	\$39,213,439.90	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2238.2822	
5.5	\$29,490,562.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2239.2822	
6.5	\$7,958,017.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2240.2822	
7.5	\$190,961.46	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2241.2822	
8.5	(\$0.77)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2242.2822	
9.5					1.000000	1.000000	0.000000	2243.2822	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E371.00-Installns -Cust Prem
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$11,599,006.31	\$30,291.00	0.002612	0.997388	0.994784
0.5	\$11,120,588.50	\$174,051.14	0.015651	0.984349	0.994784
1.5	\$10,994,580.29	\$297,984.68	0.027103	0.972897	0.968942
2.5	\$10,468,403.88	\$292,392.98	0.027931	0.972069	0.946529
3.5	\$9,441,040.27	\$277,967.28	0.029442	0.970558	0.944918
4.5	\$9,039,964.14	\$270,206.64	0.029890	0.970110	0.941982
5.5	\$8,631,871.70	\$310,025.26	0.035916	0.964084	0.941113
6.5	\$8,195,162.86	\$278,182.57	0.033945	0.966055	0.929457
7.5	\$7,811,220.66	\$211,855.92	0.027122	0.972878	0.933263
8.5	\$7,403,812.89	\$152,878.51	0.020649	0.979351	0.946492
9.5	\$7,149,969.05	\$159,469.68	0.022304	0.977696	0.959129
10.5	\$6,853,511.07	\$151,230.96	0.022066	0.977934	0.955890
11.5	\$6,459,825.32	\$198,201.82	0.030682	0.969318	0.956355
12.5	\$6,186,197.10	\$242,756.51	0.039242	0.960758	0.939577
13.5	\$5,786,741.21	\$213,469.14	0.036889	0.963111	0.923057
14.5	\$5,408,791.96	\$137,924.61	0.025500	0.974500	0.927582
15.5	\$5,176,433.11	\$45,323.47	0.008756	0.991244	0.949650
16.5	\$5,042,848.10	\$44,153.06	0.008756	0.991244	0.982565
17.5	\$4,853,298.38	\$41,575.00	0.008566	0.991434	0.982566
18.5	\$4,602,940.10	\$31,325.28	0.006805	0.993195	0.982941
19.5	\$4,462,591.92	\$24,730.37	0.005542	0.994458	0.986435
20.5	\$4,318,170.82	\$36,805.47	0.008523	0.991477	0.988947
21.5	\$4,120,305.93	\$26,382.10	0.006403	0.993597	0.983026
22.5	\$3,940,535.19	\$29,170.87	0.007403	0.992597	0.987235
23.5	\$3,730,317.87	\$21,536.70	0.005773	0.994227	0.985249
24.5	\$3,498,630.49	\$22,300.80	0.006374	0.993626	0.988486
25.5	\$3,273,414.64	\$15,477.25	0.004728	0.995272	0.987292
26.5	\$3,144,467.88	\$6,166.60	0.001961	0.998039	0.990566
27.5	\$3,037,676.14	\$4,389.04	0.001445	0.998555	0.996082
28.5	\$2,970,158.65	\$15,583.54	0.005247	0.994753	0.997112
29.5	\$2,885,176.54	\$11,872.55	0.004115	0.995885	0.989534
30.5	\$2,751,658.33	\$12,258.29	0.004455	0.995545	0.991787
31.5	\$2,577,574.15	\$10,678.89	0.004143	0.995857	0.991110
32.5	\$2,362,525.31	\$5,488.87	0.002323	0.997677	0.991731
33.5	\$1,539,411.84	\$12,915.18	0.008390	0.991610	0.995359
34.5	\$966,891.24	\$5,406.06	0.005591	0.994409	0.983291
35.5	\$664,508.96	\$847.04	0.001275	0.998725	0.988849
36.5	\$587,780.24	\$1,334.66	0.002271	0.997729	0.997452
37.5	\$445,115.19	\$459.89	0.001033	0.998967	0.995464
38.5	\$354,269.95	\$327.17	0.000924	0.999076	0.997935
39.5	\$302,621.74	\$213.08	0.000704	0.999296	0.998154
40.5	\$275,796.56	\$187.38	0.000679	0.999321	0.998592
41.5	\$179,641.49	\$444.29	0.002473	0.997527	0.998642
42.5	\$156,615.41	\$550.68	0.003516	0.996484	0.995060
43.5	\$127,178.48	\$307.62	0.002419	0.997581	0.992980
44.5	\$80,395.54	\$49.31	0.000613	0.999387	0.995168
45.5	\$28,574.71	\$68.96	0.002413	0.997587	0.998774
46.5	\$19,064.09	\$18.11	0.000950	0.999050	0.995179
47.5	\$10,679.75	\$6.06	0.000567	0.999433	0.998101
48.5	\$4,797.85	\$2.77	0.000577	0.999423	0.998865
49.5	\$0.00	\$0.00	0.000000	1.000000	0.998846
50.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
51.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
52.5					1.000000

San Diego Gas & Electric Company
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Observed Life Report

Account: E373.20-St. Lghtg & Sgnl Sys
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$40,545,897.27	\$17,145.53	0.000423	0.999577	0.999154
0.5	\$39,799,437.41	\$387,676.83	0.009741	0.990259	0.999154
1.5	\$37,415,101.75	\$346,621.52	0.009264	0.990736	0.980613
2.5	\$36,445,683.32	\$486,505.66	0.013349	0.986651	0.981557
3.5	\$35,298,177.28	\$371,089.75	0.010513	0.989487	0.973481
4.5	\$34,705,395.55	\$533,378.57	0.015369	0.984631	0.979085
5.5	\$33,936,535.33	\$902,526.77	0.026595	0.973405	0.969499
6.5	\$32,931,924.15	\$1,204,861.24	0.036586	0.963414	0.947518
7.5	\$30,978,364.24	\$626,412.16	0.020221	0.979779	0.928166
8.5	\$29,803,201.98	\$662,674.62	0.022235	0.977765	0.959967
9.5	\$28,582,445.36	\$425,105.25	0.014873	0.985127	0.956024
10.5	\$27,750,490.76	\$487,275.96	0.017559	0.982441	0.970475
11.5	\$26,670,856.31	\$896,751.95	0.033623	0.966377	0.965190
12.5	\$25,172,621.50	\$297,350.47	0.011812	0.988188	0.933885
13.5	\$24,218,408.62	\$608,971.54	0.025145	0.974855	0.976515
14.5	\$23,046,859.25	\$363,142.45	0.015757	0.984243	0.950342
15.5	\$22,311,823.42	\$470,218.14	0.021075	0.978925	0.968735
16.5	\$21,291,414.47	\$313,426.02	0.014721	0.985279	0.958294
17.5	\$20,244,927.14	\$332,085.76	0.016403	0.983597	0.970775
18.5	\$19,428,153.64	\$320,758.88	0.016510	0.983490	0.967462
19.5	\$18,637,354.85	\$183,174.19	0.009828	0.990172	0.967253
20.5	\$18,123,811.44	\$149,284.61	0.008237	0.991763	0.980440
21.5	\$17,685,111.66	\$145,090.31	0.008204	0.991796	0.983594
22.5	\$17,199,262.25	\$260,765.90	0.015161	0.984839	0.983659
23.5	\$16,473,777.77	\$284,612.51	0.017277	0.982723	0.969907
24.5	\$15,591,336.62	\$210,379.64	0.013493	0.986507	0.965745
25.5	\$14,623,386.91	\$185,735.75	0.012701	0.987299	0.973195
26.5	\$13,295,559.63	\$171,098.51	0.012869	0.987131	0.974759
27.5	\$12,558,407.01	\$134,679.39	0.010724	0.989276	0.974428
28.5	\$11,496,718.33	\$130,579.57	0.011358	0.988642	0.978667
29.5	\$10,670,518.22	\$162,904.91	0.015267	0.984733	0.977413
30.5	\$9,908,387.34	\$99,568.66	0.010049	0.989951	0.969699
31.5	\$9,272,727.88	\$209,179.60	0.022559	0.977441	0.980003
32.5	\$7,754,125.65	\$136,123.45	0.017555	0.982445	0.955392
33.5	\$6,421,276.89	\$193,358.31	0.030112	0.969888	0.965198
34.5	\$4,328,521.46	\$366,329.18	0.084631	0.915369	0.940682
35.5	\$3,437,068.99	\$136,262.43	0.039645	0.960355	0.837900
36.5	\$2,944,973.30	\$73,912.27	0.025098	0.974902	0.922282
37.5	\$2,269,985.56	\$20,804.43	0.009165	0.990835	0.950434
38.5	\$2,059,027.51	\$15,656.64	0.007604	0.992396	0.981754
39.5	\$1,861,664.67	\$17,865.75	0.009597	0.990403	0.984850
40.5	\$1,653,948.84	\$17,322.86	0.010474	0.989526	0.980899
41.5	\$1,381,729.08	\$13,158.88	0.009523	0.990477	0.979162
42.5	\$1,147,399.22	\$14,142.81	0.012326	0.987674	0.981044
43.5	\$979,065.14	\$10,776.08	0.011006	0.988994	0.975500
44.5	\$792,305.78	\$16,059.51	0.020269	0.979731	0.978108
45.5	\$676,824.28	\$7,866.03	0.011622	0.988378	0.959872
46.5	\$542,279.53	\$8,631.10	0.015916	0.984084	0.976891
47.5	\$457,719.83	\$19,404.65	0.042394	0.957606	0.968421
48.5	\$377,840.22	\$20,290.72	0.053702	0.946298	0.917009
49.5	\$242,937.87	\$10,359.53	0.042643	0.957357	0.895480
50.5	\$191,015.10	\$4,981.07	0.026077	0.973923	0.916533
51.5	\$180,869.70	\$4,457.25	0.024643	0.975357	0.948526
52.5	\$160,217.69	\$4,759.19	0.029705	0.970295	0.951320

Note: This report is filtered.

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E373.20-St. Lghtg & Sgnl Sys
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
53.5	\$173,775.88	\$2,843.13	0.016361	0.983639	0.941473
54.5	\$168,012.31	\$10,583.49	0.062992	0.937008	0.967546
55.5	\$155,519.12	\$2,865.38	0.018425	0.981575	0.877983
56.5	\$151,940.58	\$6,412.55	0.042204	0.957796	0.963490
57.5	\$145,091.01	\$3,028.56	0.020874	0.979126	0.917373
58.5	\$136,443.11	\$4,776.85	0.035010	0.964990	0.958689
59.5	\$125,301.35	\$3,820.30	0.030489	0.969511	0.931206
60.5	\$116,227.54	\$7,236.70	0.062263	0.937737	0.939952
61.5	\$82,252.01	\$2,970.92	0.036120	0.963880	0.879350
62.5	\$67,926.96	\$7,181.05	0.105717	0.894283	0.929065
63.5	\$59,252.17	\$2,436.84	0.041127	0.958873	0.799742
64.5	\$56,815.33	\$1,603.90	0.028230	0.971770	0.919438
65.5	\$55,211.43	\$1,264.48	0.022903	0.977097	0.944337
66.5	\$53,946.95	\$1,813.33	0.033613	0.966387	0.954720
67.5	\$52,133.62	\$1,621.88	0.031110	0.968890	0.933903
68.5	\$50,511.74	\$314.00	0.006216	0.993784	0.938748
69.5	\$50,197.74	\$7,450.07	0.148414	0.851586	0.987606
70.5	\$42,747.67	\$4,303.80	0.100679	0.899321	0.725198
71.5	\$38,443.87	\$2,736.72	0.071187	0.928813	0.808778
72.5	\$35,707.15	\$1,800.60	0.050427	0.949573	0.862693
73.5	\$33,906.55	\$1,109.95	0.032736	0.967264	0.901689
74.5	\$32,796.60	\$3,514.27	0.107153	0.892847	0.935600
75.5	\$29,282.33	\$6,873.83	0.234743	0.765257	0.797175
76.5	\$22,408.50	\$1,731.50	0.077270	0.922730	0.585618
77.5	\$20,677.00	\$2,797.00	0.135271	0.864729	0.851431
78.5	\$17,880.00	\$592.00	0.033110	0.966890	0.747756
79.5	\$17,288.00	\$347.00	0.020072	0.979928	0.934877
80.5	\$16,941.00	\$16,238.00	0.958503	0.041497	0.960259
81.5	\$703.00	\$703.00	1.000000	0.000000	0.001722
82.5	\$0.00	\$0.00	0.000000	1.000000	0.000000
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
100.5					1.000000

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: E390.00-Struct. and Improv.
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$18,315,943.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2392.0444	
0.5	\$18,791,371.97	\$43,323.70	0.002306	0.997694	1.000000	1.000000	0.000000	2393.0444	
1.5	\$18,661,234.96	\$0.00	0.000000	1.000000	0.995394	0.997694	0.002306	2394.0444	
2.5	\$22,096,744.16	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2395.0398	
3.5	\$21,370,273.39	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2396.0398	
4.5	\$22,224,535.12	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2397.0398	
5.5	\$21,700,438.61	\$46,496.13	0.002143	0.997857	1.000000	1.000000	0.000000	2398.0398	
6.5	\$22,269,166.78	\$0.00	0.000000	1.000000	0.995719	0.997857	0.002143	2399.0398	
7.5	\$21,962,413.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2400.0355	
8.5	\$21,743,129.00	\$11,274.60	0.000519	0.999481	1.000000	1.000000	0.000000	2401.0355	
9.5	\$21,185,864.98	\$0.00	0.000000	1.000000	0.998963	0.999481	0.000519	2402.0355	
10.5	\$18,043,743.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2403.0344	
11.5	\$16,977,045.69	\$117,816.35	0.006940	0.993060	1.000000	1.000000	0.000000	2404.0344	
12.5	\$17,480,444.51	\$0.00	0.000000	1.000000	0.986169	0.993060	0.006940	2405.0344	
13.5	\$16,714,630.37	\$535,699.25	0.032050	0.967950	1.000000	1.000000	0.000000	2406.0206	
14.5	\$11,908,289.61	\$29,132.20	0.002446	0.997554	0.936928	0.967950	0.032050	2407.0206	
15.5	\$10,319,499.71	\$5,354.42	0.000519	0.999481	0.995113	0.997554	0.002446	2407.9575	
16.5	\$13,884,226.72	\$5,000.00	0.000360	0.999640	0.998963	0.999481	0.000519	2408.9527	
17.5	\$13,687,220.51	\$55,004.32	0.004019	0.995981	0.999280	0.999640	0.000360	2409.9516	
18.5	\$13,578,830.01	\$102,028.24	0.007514	0.992486	0.991979	0.995981	0.004019	2410.9509	
19.5	\$13,054,776.42	\$138,954.15	0.010644	0.989356	0.985029	0.992486	0.007514	2411.9429	
20.5	\$9,239,781.16	\$188,540.74	0.020405	0.979595	0.978825	0.989356	0.010644	2412.9279	
21.5	\$8,797,512.76	\$0.00	0.000000	1.000000	0.959606	0.979595	0.020405	2413.9067	
22.5	\$7,815,058.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2414.8663	
23.5	\$7,331,143.79	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2415.8663	
24.5	\$6,743,439.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2416.8663	
25.5	\$6,767,483.46	\$4,000.00	0.000591	0.999409	1.000000	1.000000	0.000000	2417.8663	
26.5	\$6,754,887.98	\$0.00	0.000000	1.000000	0.998818	0.999409	0.000591	2418.8663	
27.5	\$6,645,564.85	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2419.8652	
28.5	\$6,640,958.35	\$334,644.85	0.050391	0.949609	1.000000	1.000000	0.000000	2420.8652	
29.5	\$6,145,868.83	\$43,413.29	0.007064	0.992936	0.901757	0.949609	0.050391	2421.8652	
30.5	\$3,931,413.91	\$0.00	0.000000	1.000000	0.985922	0.992936	0.007064	2422.7669	
31.5	\$4,117,743.71	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2423.7528	
32.5	\$4,458,431.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2424.7528	
33.5	\$4,432,288.29	\$55,153.41	0.012444	0.987556	1.000000	1.000000	0.000000	2425.7528	
34.5	\$909,925.78	\$0.00	0.000000	1.000000	0.975268	0.987556	0.012444	2426.7528	
35.5	\$854,784.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2427.7281	
36.5	\$671,366.47	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2428.7281	
37.5	\$933,148.91	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2429.7281	
38.5	\$927,844.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2430.7281	
39.5	\$901,806.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2431.7281	
40.5	\$901,806.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2432.7281	
41.5	\$900,266.23	\$13,016.55	0.014459	0.985541	1.000000	1.000000	0.000000	2433.7281	
42.5	\$859,729.93	\$0.00	0.000000	1.000000	0.971292	0.985541	0.014459	2434.7281	
43.5	\$844,254.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2435.6994	
44.5	\$835,127.55	\$406.73	0.000487	0.999513	1.000000	1.000000	0.000000	2436.6994	
45.5	\$834,720.82	\$0.00	0.000000	1.000000	0.999026	0.999513	0.000487	2437.6994	
46.5	\$828,522.71	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2438.6984	
47.5	\$826,605.48	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2439.6984	
48.5	\$826,605.48	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2440.6984	
49.5	\$646,865.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2441.6984	
50.5	\$269,206.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2442.6984	
51.5	\$269,206.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2443.6984	
52.5	\$269,206.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2444.6984	

Observed Life Report

Account: E390.00-Struct. and Improv.
Scenario: SDGE 2016 - Active Accounts
Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$269,079.11	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2445.6984	
54.5	\$268,756.71	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2446.6984	
55.5					1.000000	1.000000	0.000000	2447.6984	

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Observed Life Report

Account: E392.20-Transprt Eq-Trailer
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion			
			Retired	Surviving	Surviving	Surviving		
0	\$43,426.67	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2448.6984
0.5	\$66,178.16	\$281.00	0.004246	0.995754	1.000000	1.000000	0.000000	2449.6984
1.5	\$215,842.53	\$0.00	0.000000	1.000000	0.991526	0.995754	0.004246	2450.6984
2.5	\$215,842.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2451.6899
3.5	\$215,842.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2452.6899
4.5	\$215,842.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2453.6899
5.5	\$215,842.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2454.6899
6.5	\$175,978.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2455.6899
7.5	\$176,906.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2456.6899
8.5	\$184,620.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2457.6899
9.5	\$184,620.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2458.6899
10.5	\$185,181.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2459.6899
11.5	\$185,181.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2460.6899
12.5	\$220,042.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2461.6899
13.5	\$256,792.69	\$535.00	0.002083	0.997917	1.000000	1.000000	0.000000	2462.6899
14.5	\$299,427.17	\$0.00	0.000000	1.000000	0.995838	0.997917	0.002083	2463.6899
15.5	\$302,736.58	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2464.6858
16.5	\$304,464.36	\$281.00	0.000923	0.999077	1.000000	1.000000	0.000000	2465.6858
17.5	\$313,389.37	\$19,550.00	0.062382	0.937618	0.998155	0.999077	0.000923	2466.6858
18.5	\$293,839.37	\$11,728.00	0.039913	0.960087	0.879127	0.937618	0.062382	2467.6839
19.5	\$286,135.33	\$18,319.00	0.064022	0.935978	0.921767	0.960087	0.039913	2468.5631
20.5	\$270,336.55	\$6,540.00	0.024192	0.975808	0.876055	0.935978	0.064022	2469.4848
21.5	\$263,796.55	\$14,522.00	0.055050	0.944950	0.952201	0.975808	0.024192	2470.3609
22.5	\$254,132.55	\$11,739.00	0.046192	0.953808	0.892931	0.944950	0.055050	2471.3131
23.5	\$248,866.10	\$6,874.00	0.027621	0.972379	0.909749	0.953808	0.046192	2472.2060
24.5	\$245,489.10	\$12,812.00	0.052190	0.947810	0.945520	0.972379	0.027621	2473.1158
25.5	\$234,418.10	\$1,638.00	0.006988	0.993012	0.898344	0.947810	0.052190	2474.0613
26.5	\$232,780.10	\$170,212.86	0.731217	0.268783	0.986074	0.993012	0.006988	2474.9596
27.5	\$66,260.24	\$7,036.13	0.106189	0.893811	0.072244	0.268783	0.731217	2475.9457
28.5	\$61,747.69	\$17,335.62	0.280749	0.719251	0.798898	0.893811	0.106189	2476.0180
29.5	\$46,843.07	\$8,000.48	0.170793	0.829207	0.517322	0.719251	0.280749	2476.8168
30.5	\$38,842.59	\$3,245.41	0.083553	0.916447	0.687584	0.829207	0.170793	2477.3342
31.5	\$35,597.18	\$2,782.78	0.078174	0.921826	0.839875	0.916447	0.083553	2478.0218
32.5	\$36,598.40	\$7,213.09	0.197088	0.802912	0.849763	0.921826	0.078174	2478.8616
33.5	\$29,385.31	\$0.00	0.000000	1.000000	0.644668	0.802912	0.197088	2479.7114
34.5	\$33,367.31	\$13,933.96	0.417593	0.582407	1.000000	1.000000	0.000000	2480.3561
35.5	\$19,433.35	\$2,960.22	0.152327	0.847673	0.339198	0.582407	0.417593	2481.3561
36.5	\$16,473.13	\$0.00	0.000000	1.000000	0.718550	0.847673	0.152327	2481.6953
37.5	\$16,473.13	\$7,477.00	0.453891	0.546109	1.000000	1.000000	0.000000	2482.4138
38.5	\$8,996.13	\$6,472.55	0.719482	0.280518	0.298235	0.546109	0.453891	2483.4138
39.5	\$2,523.58	\$0.00	0.000000	1.000000	0.078691	0.280518	0.719482	2483.7120
40.5	\$2,523.58	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2483.7907
41.5	\$3,044.58	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2484.7907
42.5	\$3,843.58	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2485.7907
43.5	\$5,465.58	\$2,523.58	0.461722	0.538278	1.000000	1.000000	0.000000	2486.7907
44.5	\$2,942.00	\$0.00	0.000000	1.000000	0.289743	0.538278	0.461722	2487.7907
45.5	\$2,942.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2488.0805
46.5	\$2,942.00	\$1,320.00	0.448674	0.551326	1.000000	1.000000	0.000000	2489.0805
47.5	\$1,622.00	\$0.00	0.000000	1.000000	0.303960	0.551326	0.448674	2490.0805
48.5	\$1,622.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2490.3844
49.5	\$1,622.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2491.3844
50.5	\$1,622.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2492.3844
51.5	\$1,622.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2493.3844
52.5	\$1,622.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2494.3844

San Diego Gas & Electric Company
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Observed Life Report

Account: E392.20-Transprt Eq-Trailer
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$1,622.00	\$1,622.00	1.000000	0.000000	1.000000	1.000000	0.000000	2495.3844
54.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2496.3844
55.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2496.3844
56.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2497.3844
57.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2498.3844
58.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2499.3844
59.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2500.3844
60.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2501.3844
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2502.3844
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2503.3844
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2504.3844
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2505.3844
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2506.3844
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2507.3844
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2508.3844
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2509.3844
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2510.3844
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2511.3844
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2512.3844
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2513.3844
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2514.3844
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2515.3844
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2516.3844
76.5					1.000000	1.000000	0.000000	2517.3844

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Observed Life Report

Account: E393.10-Stores Equip.-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
7.5	\$2,940.48	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2518.3844	
8.5	\$8,545.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2519.3844	
9.5	\$15,720.46	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2520.3844	
10.5	\$17,465.68	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2521.3844	
11.5	\$19,150.06	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2522.3844	
12.5	\$19,150.06	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2523.3844	
13.5	\$52,833.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2524.3844	
14.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2525.3844	
15.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2526.3844	
16.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2527.3844	
17.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2528.3844	
18.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2529.3844	
19.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2530.3844	
20.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2531.3844	
21.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2532.3844	
22.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2533.3844	
23.5	\$54,330.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2534.3844	
24.5	\$51,390.49	\$36,865.29	0.717356	0.282644	1.000000	1.000000	0.000000	2535.3844	
25.5	\$14,525.20	\$8,919.71	0.614085	0.385915	0.079887	0.282644	0.717356	2536.3844	
26.5	\$312.44	\$312.44	1.000000	0.000000	0.148930	0.385915	0.614085	2536.4643	
27.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2536.6133	
28.5	\$825.92	\$825.92	1.000000	0.000000	1.000000	1.000000	0.000000	2536.6133	
29.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2537.6133	
30.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2537.6133	
31.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2538.6133	
32.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2539.6133	
33.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2540.6133	
34.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2541.6133	
35.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2542.6133	
36.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2543.6133	
37.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2544.6133	
38.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2545.6133	
39.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2546.6133	
40.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2547.6133	
41.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2548.6133	
42.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2549.6133	
43.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2550.6133	
44.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2551.6133	
45.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2552.6133	
46.5					1.000000	1.000000	0.000000	2553.6133	

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Observed Life Report

Account: E394.11-Portable Tools-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$29,509,068.05	(\$9,983.37)	-0.000338	1.000338	1.000677	1.000338	-0.000338	2554.61331
0.5	\$27,590,265.63	\$24,354.36	0.000883	0.999117	1.000677	1.000338	-0.000338	2555.61391
1.5	\$25,975,498.66	\$47,610.23	0.001833	0.998167	0.998235	0.999117	0.000883	2556.61461
2.5	\$25,174,181.46	\$40,863.00	0.001623	0.998377	0.996338	0.998167	0.001833	2557.61281
3.5	\$23,765,760.00	\$21,012.00	0.000884	0.999116	0.996756	0.998377	0.001623	2558.60921
4.5	\$21,381,411.73	\$87,059.00	0.004072	0.995928	0.998233	0.999116	0.000884	2559.60591
5.5	\$19,810,334.70	\$50,336.79	0.002541	0.997459	0.991873	0.995928	0.004072	2560.60421
6.5	\$18,267,540.00	\$35,655.38	0.001952	0.998048	0.994925	0.997459	0.002541	2561.59601
7.5	\$16,396,046.49	\$52,358.00	0.003193	0.996807	0.996100	0.998048	0.001952	2562.59101
8.5	\$14,647,073.90	\$66,940.00	0.004570	0.995430	0.993624	0.996807	0.003193	2563.58711
9.5	\$13,064,491.62	\$28,664.00	0.002194	0.997806	0.990880	0.995430	0.004570	2564.58071
10.5	\$11,888,228.33	\$33,084.00	0.002783	0.997217	0.995617	0.997806	0.002194	2565.57161
11.5	\$10,731,792.29	\$28,794.00	0.002683	0.997317	0.994442	0.997217	0.002783	2566.56721
12.5	\$9,587,811.31	\$37,360.54	0.003897	0.996103	0.994641	0.997317	0.002683	2567.56161
13.5	\$8,786,199.27	\$8,101.00	0.000922	0.999078	0.992222	0.996103	0.003897	2568.55631
14.5	\$8,317,516.98	\$72,943.00	0.008770	0.991230	0.998157	0.999078	0.000922	2569.54851
15.5	\$7,915,123.23	\$27,932.00	0.003529	0.996471	0.982537	0.991230	0.008770	2570.54661
16.5	\$6,616,858.13	\$30,069.00	0.004544	0.995456	0.992955	0.996471	0.003529	2571.52921
17.5	\$6,376,419.76	\$26,254.00	0.004117	0.995883	0.990932	0.995456	0.004544	2572.52211
18.5	\$6,127,175.70	\$18,180.00	0.002967	0.997033	0.991782	0.995883	0.004117	2573.51311
19.5	\$5,923,593.37	\$17,154.00	0.002896	0.997104	0.994075	0.997033	0.002967	2574.50491
20.5	\$5,671,105.91	\$24,590.00	0.004336	0.995664	0.994217	0.997104	0.002896	2575.49891
21.5	\$5,340,503.66	\$19,159.00	0.003587	0.996413	0.991347	0.995664	0.004336	2576.49311
22.5	\$5,093,291.77	\$34,978.00	0.006867	0.993133	0.992838	0.996413	0.003587	2577.48451
23.5	\$4,678,091.76	\$11,510.00	0.002460	0.997540	0.986312	0.993133	0.006867	2578.47731
24.5	\$4,177,584.58	\$303,040.56	0.072540	0.927460	0.995085	0.997540	0.002460	2579.46361
25.5	\$3,422,339.81	\$7,303.94	0.002134	0.997866	0.860183	0.927460	0.072540	2580.45871
26.5	\$3,125,220.29	\$2,126,698.98	0.680496	0.319504	0.995736	0.997866	0.002134	2581.31891
27.5	\$766,735.90	\$458,131.08	0.597508	0.402492	0.102083	0.319504	0.680496	2582.31461
28.5	\$308,744.82	\$35,752.45	0.115799	0.884201	0.162000	0.402492	0.597508	2582.41671
29.5	\$273,381.37	\$56,764.52	0.207639	0.792361	0.781811	0.884201	0.115799	2582.57871
30.5	\$217,604.85	\$71,300.13	0.327659	0.672341	0.627837	0.792361	0.207639	2583.36051
31.5	\$147,167.72	\$52,614.03	0.357511	0.642489	0.452043	0.672341	0.327659	2583.98841
32.5	\$94,553.69	\$30,142.69	0.318789	0.681211	0.412793	0.642489	0.357511	2584.44041
33.5	\$64,411.00	\$11,120.27	0.172646	0.827354	0.464048	0.681211	0.318789	2584.85321
34.5	\$53,290.73	\$6,095.93	0.114390	0.885610	0.684515	0.827354	0.172646	2585.31731
35.5	\$47,194.80	\$4,240.76	0.089857	0.910143	0.784305	0.885610	0.114390	2586.00181
36.5	\$42,954.04	\$2,144.67	0.049929	0.950071	0.828361	0.910143	0.089857	2586.78611
37.5	\$40,809.37	\$7,166.24	0.175603	0.824397	0.902634	0.950071	0.049929	2587.61441
38.5	\$33,643.13	\$9,282.23	0.275903	0.724097	0.679631	0.824397	0.175603	2588.51711
39.5	\$24,360.90	\$1,849.11	0.075905	0.924095	0.524317	0.724097	0.275903	2589.19671
40.5	\$22,511.79	\$953.15	0.042340	0.957660	0.853952	0.924095	0.075905	2589.72101
41.5	\$21,558.64	\$5,675.59	0.263263	0.736737	0.917113	0.957660	0.042340	2590.57501
42.5	\$15,883.05	\$386.47	0.024332	0.975668	0.542782	0.736737	0.263263	2591.49211
43.5	\$15,496.58	\$2,765.00	0.178426	0.821574	0.951928	0.975668	0.024332	2592.03491
44.5	\$12,731.58	\$1,575.58	0.123754	0.876246	0.674983	0.821574	0.178426	2592.98681
45.5	\$11,156.00	\$824.00	0.073862	0.926138	0.767808	0.876246	0.123754	2593.66181
46.5	\$10,332.00	\$0.00	0.000000	1.000000	0.857732	0.926138	0.073862	2594.42961
47.5	\$10,332.00	\$380.00	0.036779	0.963221	1.000000	1.000000	0.000000	2595.28731
48.5	\$9,952.00	\$1,318.00	0.132436	0.867564	0.927795	0.963221	0.036779	2596.28731
49.5	\$8,634.00	\$6,990.00	0.809590	0.190410	0.752668	0.867564	0.132436	2597.21511
50.5	\$1,644.00	\$0.00	0.000000	1.000000	0.036256	0.190410	0.809590	2597.96781
51.5	\$1,644.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2598.00401
52.5	\$1,644.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2599.00401

San Diego Gas & Electric Company
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Observed Life Report

Account: E394.11-Portable Tools-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$1,644.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2600.0040	
54.5	\$1,644.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2601.0040	
55.5	\$1,644.00	\$389.00	0.236618	0.763382	1.000000	1.000000	0.000000	2602.0040	
56.5	\$1,255.00	\$834.00	0.664542	0.335458	0.582752	0.763382	0.236618	2603.0040	
57.5	\$421.00	\$421.00	1.000000	0.000000	0.112532	0.335458	0.664542	2603.5868	
58.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2603.6993	
59.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2603.6993	
60.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2604.6993	
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2605.6993	
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2606.6993	
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2607.6993	
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2608.6993	
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2609.6993	
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2610.6993	
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2611.6993	
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2612.6993	
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2613.6993	
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2614.6993	
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2615.6993	
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2616.6993	
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2617.6993	
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2618.6993	
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2619.6993	
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2620.6993	
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2621.6993	
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2622.6993	
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2623.6993	
80.5					1.000000	1.000000	0.000000	2624.6993	

San Diego Gas & Electric Company
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Observed Life Report

Account: E394.20-Shop Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion			
			Retired	Surviving	Surviving	Surviving		
0	\$595,200.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2625.6993
0.5	\$616,328.83	\$89.00	0.000144	0.999856	1.000000	1.000000	0.000000	2626.6993
1.5	\$705,311.59	\$2,287.00	0.003243	0.996757	0.999711	0.999856	0.000144	2627.6993
2.5	\$705,951.20	\$2,635.00	0.003733	0.996267	0.993525	0.996757	0.003243	2628.6990
3.5	\$732,711.63	\$0.00	0.000000	1.000000	0.992549	0.996267	0.003733	2629.6926
4.5	\$744,964.16	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2630.6851
5.5	\$745,071.16	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2631.6851
6.5	\$745,464.16	\$5,494.75	0.007371	0.992629	1.000000	1.000000	0.000000	2632.6851
7.5	\$740,555.41	\$28,967.24	0.039116	0.960884	0.985313	0.992629	0.007371	2633.6851
8.5	\$711,588.17	(\$1.00)	-0.000001	1.000001	0.923299	0.960884	0.039116	2634.6704
9.5	\$709,824.17	\$0.00	0.000000	1.000000	1.000003	1.000001	-0.000001	2635.5937
10.5	\$697,270.48	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2636.5937
11.5	\$697,270.48	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2637.5937
12.5	\$697,855.48	\$1,929.00	0.002764	0.997236	1.000000	1.000000	0.000000	2638.5937
13.5	\$696,373.77	\$8,964.00	0.012872	0.987128	0.994479	0.997236	0.002764	2639.5937
14.5	\$687,499.77	\$0.00	0.000000	1.000000	0.974421	0.987128	0.012872	2640.5882
15.5	\$687,543.77	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2641.5626
16.5	\$671,084.71	\$75.00	0.000112	0.999888	1.000000	1.000000	0.000000	2642.5626
17.5	\$675,473.29	\$0.00	0.000000	1.000000	0.999776	0.999888	0.000112	2643.5626
18.5	\$432,099.79	\$190.00	0.000440	0.999560	1.000000	1.000000	0.000000	2644.5624
19.5	\$432,011.79	\$59.00	0.000137	0.999863	0.999121	0.999560	0.000440	2645.5624
20.5	\$432,922.79	\$2,298.00	0.005308	0.994692	0.999727	0.999863	0.000137	2646.5615
21.5	\$432,859.79	\$922.00	0.002130	0.997870	0.989412	0.994692	0.005308	2647.5612
22.5	\$434,400.79	\$107.00	0.000246	0.999754	0.995744	0.997870	0.002130	2648.5507
23.5	\$432,034.38	\$252,320.84	0.584030	0.415970	0.999507	0.999754	0.000246	2649.5464
24.5	\$119,626.70	\$42,317.45	0.353746	0.646254	0.173031	0.415970	0.584030	2650.5459
25.5	\$77,309.25	\$204.00	0.002639	0.997361	0.417644	0.646254	0.353746	2650.7189
26.5	\$77,105.25	\$28.00	0.000363	0.999637	0.994729	0.997361	0.002639	2651.1366
27.5	\$77,077.25	\$0.00	0.000000	1.000000	0.999274	0.999637	0.000363	2652.1313
28.5	\$77,077.25	\$3,123.28	0.040521	0.959479	1.000000	1.000000	0.000000	2653.1306
29.5	\$73,953.97	\$3,208.91	0.043391	0.956609	0.920599	0.959479	0.040521	2654.1306
30.5	\$71,062.06	\$311.76	0.004387	0.995613	0.915101	0.956609	0.043391	2655.0512
31.5	\$73,793.30	\$3,016.61	0.040879	0.959121	0.991245	0.995613	0.004387	2655.9663
32.5	\$70,776.69	\$40,055.85	0.565947	0.434053	0.919913	0.959121	0.040879	2656.9575
33.5	\$30,950.84	\$11,498.53	0.371509	0.628491	0.188402	0.434053	0.565947	2657.8774
34.5	\$19,605.31	\$269.00	0.013721	0.986279	0.395000	0.628491	0.371509	2658.0659
35.5	\$19,336.31	\$74.00	0.003827	0.996173	0.972747	0.986279	0.013721	2658.4609
36.5	\$19,415.31	\$102.00	0.005254	0.994746	0.992361	0.996173	0.003827	2659.4336
37.5	\$19,448.31	\$548.00	0.028177	0.971823	0.989520	0.994746	0.005254	2660.4260
38.5	\$18,900.31	\$138.00	0.007301	0.992699	0.944439	0.971823	0.028177	2661.4155
39.5	\$19,384.31	\$494.00	0.025485	0.974515	0.985450	0.992699	0.007301	2662.3599
40.5	\$21,788.31	\$549.00	0.025197	0.974803	0.949680	0.974515	0.025485	2663.3454
41.5	\$21,959.31	\$200.00	0.009108	0.990892	0.950241	0.974803	0.025197	2664.2951
42.5	\$22,461.31	\$1,595.29	0.071024	0.928976	0.981867	0.990892	0.009108	2665.2453
43.5	\$21,870.02	\$100.00	0.004572	0.995428	0.862997	0.928976	0.071024	2666.2272
44.5	\$25,249.02	\$1,118.00	0.044279	0.955721	0.990876	0.995428	0.004572	2667.0902
45.5	\$30,401.02	\$180.00	0.005921	0.994079	0.913403	0.955721	0.044279	2668.0810
46.5	\$30,723.02	\$8,102.02	0.263712	0.736288	0.988193	0.994079	0.005921	2668.9944
47.5	\$23,394.00	\$134.00	0.005728	0.994272	0.542120	0.736288	0.263712	2669.9826
48.5	\$23,260.00	\$1,156.00	0.049699	0.950301	0.988577	0.994272	0.005728	2670.5247
49.5	\$22,484.00	\$1,989.00	0.088463	0.911537	0.903072	0.950301	0.049699	2671.5133
50.5	\$20,759.00	\$1,822.00	0.087769	0.912231	0.830900	0.911537	0.088463	2672.4164
51.5	\$18,937.00	\$0.00	0.000000	1.000000	0.832165	0.912231	0.087769	2673.2473
52.5	\$19,256.00	\$246.00	0.012775	0.987225	1.000000	1.000000	0.000000	2674.0795

San Diego Gas & Electric Company
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Observed Life Report

Account: E394.20-Shop Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$19,945.00	\$153.00	0.007671	0.992329	0.974613	0.987225	0.012775	2675.0795
54.5	\$19,792.00	\$0.00	0.000000	1.000000	0.984717	0.992329	0.007671	2676.0541
55.5	\$19,792.00	\$319.00	0.016118	0.983882	1.000000	1.000000	0.000000	2677.0388
56.5	\$19,473.00	\$651.00	0.033431	0.966569	0.968025	0.983882	0.016118	2678.0388
57.5	\$18,822.00	\$2,346.00	0.124641	0.875359	0.934256	0.966569	0.033431	2679.0068
58.5	\$16,476.00	\$461.00	0.027980	0.972020	0.766253	0.875359	0.124641	2679.9411
59.5	\$16,015.00	\$389.00	0.024290	0.975710	0.944823	0.972020	0.027980	2680.7073
60.5	\$15,626.00	\$335.00	0.021439	0.978561	0.952011	0.975710	0.024290	2681.6521
61.5	\$15,291.00	\$1,115.00	0.072919	0.927081	0.957582	0.978561	0.021439	2682.6042
62.5	\$14,176.00	\$1,329.00	0.093750	0.906250	0.859480	0.927081	0.072919	2683.5617
63.5	\$12,847.00	\$277.00	0.021561	0.978439	0.821289	0.906250	0.093750	2684.4212
64.5	\$12,570.00	\$190.00	0.015115	0.984885	0.957342	0.978439	0.021561	2685.2425
65.5	\$12,380.00	\$360.00	0.029079	0.970921	0.969998	0.984885	0.015115	2686.1999
66.5	\$12,020.00	\$3,635.00	0.302413	0.697587	0.942687	0.970921	0.029079	2687.1698
67.5	\$8,385.00	\$264.00	0.031485	0.968515	0.486628	0.697587	0.302413	2688.1125
68.5	\$8,121.00	\$0.00	0.000000	1.000000	0.938022	0.968515	0.031485	2688.5992
69.5	\$8,121.00	\$548.00	0.067479	0.932521	1.000000	1.000000	0.000000	2689.5372
70.5	\$7,573.00	\$1,836.00	0.242440	0.757560	0.869595	0.932521	0.067479	2690.5372
71.5	\$5,737.00	\$4,379.00	0.763291	0.236709	0.573897	0.757560	0.242440	2691.4068
72.5	\$1,358.00	\$0.00	0.000000	1.000000	0.056031	0.236709	0.763291	2691.9807
73.5	\$1,358.00	\$549.00	0.404271	0.595729	1.000000	1.000000	0.000000	2692.0367
74.5	\$809.00	\$0.00	0.000000	1.000000	0.354893	0.595729	0.404271	2693.0367
75.5	\$809.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2693.3916
76.5	\$809.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2694.3916
77.5	\$809.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2695.3916
78.5	\$809.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2696.3916
79.5	\$809.00	\$809.00	1.000000	0.000000	1.000000	1.000000	0.000000	2697.3916
80.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2698.3916
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2698.3916
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2699.3916
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2700.3916
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2701.3916
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2702.3916
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2703.3916
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2704.3916
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2705.3916
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2706.3916
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2707.3916
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2708.3916
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2709.3916
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2710.3916
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2711.3916
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2712.3916
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2713.3916
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2714.3916
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2715.3916
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2716.3916
100.5					1.000000	1.000000	0.000000	2717.3916

San Diego Gas & Electric Company
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Observed Life Report

Account: E395.10-Laboratory Eq.-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion			
			Retired	Surviving	Surviving	Surviving		
0	\$6,008,133.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2718.3916:
0.5	\$5,948,867.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2719.3916:
1.5	\$3,251,392.91	\$1,365.00	0.000420	0.999580	1.000000	1.000000	0.000000	2720.3916:
2.5	\$1,196,768.20	\$615.00	0.000514	0.999486	0.999161	0.999580	0.000420	2721.3916:
3.5	\$1,210,931.34	\$0.00	0.000000	1.000000	0.998972	0.999486	0.000514	2722.3908:
4.5	\$1,300,724.75	\$7,681.00	0.005905	0.994095	1.000000	1.000000	0.000000	2723.3897:
5.5	\$1,300,613.09	\$7,152.00	0.005499	0.994501	0.988225	0.994095	0.005905	2724.3897:
6.5	\$1,317,439.38	\$1,479.00	0.001123	0.998877	0.989032	0.994501	0.005499	2725.3780:
7.5	\$1,293,897.36	\$9,594.00	0.007415	0.992585	0.997756	0.998877	0.001123	2726.3670:
8.5	\$1,294,621.25	\$2,738.00	0.002115	0.997885	0.985225	0.992585	0.007415	2727.3647:
9.5	\$1,301,668.59	\$5,241.00	0.004026	0.995974	0.995775	0.997885	0.002115	2728.3500:
10.5	\$1,315,913.55	\$1,218.00	0.000926	0.999074	0.991963	0.995974	0.004026	2729.3457:
11.5	\$1,258,789.75	\$11,276.00	0.008958	0.991042	0.998150	0.999074	0.000926	2730.3377:
12.5	\$1,054,383.83	\$61,425.00	0.058257	0.941743	0.982165	0.991042	0.008958	2731.3359
13.5	\$1,017,012.81	\$5,812.00	0.005715	0.994285	0.886880	0.941743	0.058257	2732.3180:
14.5	\$1,006,414.53	\$29,168.79	0.028983	0.971017	0.988603	0.994285	0.005715	2733.2049:
15.5	\$985,465.20	\$15,628.00	0.015859	0.984141	0.942874	0.971017	0.028983	2734.1935:
16.5	\$1,005,798.20	\$23,951.00	0.023813	0.976187	0.968534	0.984141	0.015859	2735.1364:
17.5	\$982,081.20	\$43,429.00	0.044221	0.955779	0.952941	0.976187	0.023813	2736.1049:
18.5	\$951,512.10	\$25,171.00	0.026454	0.973546	0.913513	0.955779	0.044221	2737.0579:
19.5	\$932,223.10	\$362,671.52	0.389039	0.610961	0.947792	0.973546	0.026454	2737.9714:
20.5	\$579,386.58	\$109,319.74	0.188682	0.811318	0.373273	0.610961	0.389039	2738.9192:
21.5	\$473,635.84	\$30,500.41	0.064396	0.935604	0.658237	0.811318	0.188682	2739.2924:
22.5	\$452,061.43	\$70,595.97	0.156165	0.843835	0.875354	0.935604	0.064396	2739.9507:
23.5	\$388,593.46	\$28,464.59	0.073250	0.926750	0.712058	0.843835	0.156165	2740.8260:
24.5	\$361,539.87	\$120,050.88	0.332054	0.667946	0.858865	0.926750	0.073250	2741.5381:
25.5	\$241,867.99	\$36,557.07	0.151145	0.848855	0.446151	0.667946	0.332054	2742.3970:
26.5	\$206,344.92	\$45,460.01	0.220311	0.779689	0.720555	0.848855	0.151145	2742.8431:
27.5	\$162,254.91	\$7,649.11	0.047143	0.952857	0.607915	0.779689	0.220311	2743.5637:
28.5	\$159,161.80	\$11,965.11	0.075176	0.924824	0.907937	0.952857	0.047143	2744.1716:
29.5	\$148,772.69	\$30,246.04	0.203304	0.796696	0.855300	0.924824	0.075176	2745.0795:
30.5	\$120,269.65	\$15,004.67	0.124759	0.875241	0.634725	0.796696	0.203304	2745.9348:
31.5	\$106,633.98	\$3,231.00	0.030458	0.969542	0.766048	0.875241	0.124759	2746.5695:
32.5	\$103,519.98	\$9,409.14	0.090892	0.909108	0.940011	0.969542	0.030458	2747.3356:
33.5	\$94,398.84	\$5,211.41	0.055206	0.944794	0.826477	0.909108	0.090892	2748.2756:
34.5	\$89,868.43	\$7,881.34	0.087699	0.912301	0.892635	0.944794	0.055206	2749.1021:
35.5	\$82,301.09	\$11,838.29	0.143841	0.856159	0.832294	0.912301	0.087699	2749.9947:
36.5	\$70,633.80	\$8,843.89	0.125208	0.874792	0.733008	0.856159	0.143841	2750.8270:
37.5	\$63,789.91	\$11,726.89	0.183836	0.816164	0.765262	0.874792	0.125208	2751.5600:
38.5	\$54,772.02	\$4,069.34	0.074296	0.925704	0.666123	0.816164	0.183836	2752.3253:
39.5	\$52,098.68	\$6,646.00	0.127566	0.872434	0.856928	0.925704	0.074296	2752.9914:
40.5	\$49,021.68	\$5,846.62	0.119266	0.880734	0.761142	0.872434	0.127566	2753.8483:
41.5	\$45,520.06	\$627.00	0.013774	0.986226	0.775692	0.880734	0.119266	2754.6095:
42.5	\$46,077.06	\$2,454.98	0.053280	0.946720	0.972641	0.986226	0.013774	2755.3852:
43.5	\$54,574.08	\$1,897.72	0.034773	0.965227	0.896279	0.946720	0.053280	2756.3578:
44.5	\$53,158.36	\$4,254.46	0.080034	0.919966	0.931663	0.965227	0.034773	2757.2541:
45.5	\$56,675.90	\$1,628.00	0.028725	0.971275	0.846338	0.919966	0.080034	2758.1857:
46.5	\$55,315.90	\$1,898.00	0.034312	0.965688	0.943376	0.971275	0.028725	2759.0321:
47.5	\$53,785.90	\$9,804.90	0.182295	0.817705	0.932553	0.965688	0.034312	2759.9755:
48.5	\$44,566.00	\$2,047.00	0.045932	0.954068	0.668641	0.817705	0.182295	2760.9080:
49.5	\$43,106.00	\$337.00	0.007818	0.992182	0.910246	0.954068	0.045932	2761.5766:
50.5	\$43,339.00	\$2,879.00	0.066430	0.933570	0.984425	0.992182	0.007818	2762.4869:
51.5	\$40,662.00	\$1,191.00	0.029290	0.970710	0.871553	0.933570	0.066430	2763.4713:
52.5	\$39,659.00	\$909.00	0.022920	0.977080	0.942277	0.970710	0.029290	2764.3429:

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Placement Band: 1900 - 2016
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Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion		Surviving	
			Retired	Surviving	Surviving	Surviving		
53.5	\$38,961.00	\$1,267.00	0.032520	0.967480	0.954685	0.977080	0.022920	2765.2851
54.5	\$37,694.00	\$2,079.00	0.055155	0.944845	0.936018	0.967480	0.032520	2766.2398
55.5	\$35,615.00	\$2,527.00	0.070953	0.929047	0.892733	0.944845	0.055155	2767.1759
56.5	\$33,088.00	\$886.00	0.026777	0.973223	0.863128	0.929047	0.070953	2768.0686
57.5	\$32,202.00	\$547.00	0.016987	0.983013	0.947163	0.973223	0.026777	2768.9317
58.5	\$31,655.00	\$1,512.00	0.047765	0.952235	0.966315	0.983013	0.016987	2769.8789
59.5	\$30,143.00	\$1,401.00	0.046478	0.953522	0.906752	0.952235	0.047765	2770.8452
60.5	\$28,742.00	\$2,202.00	0.076613	0.923387	0.909203	0.953522	0.046478	2771.7519
61.5	\$26,540.00	\$789.00	0.029729	0.970271	0.852644	0.923387	0.076613	2772.6611
62.5	\$25,751.00	\$314.00	0.012194	0.987806	0.941426	0.970271	0.029729	2773.5138
63.5	\$25,437.00	\$926.00	0.036404	0.963596	0.975761	0.987806	0.012194	2774.4552
64.5	\$24,511.00	\$2,056.00	0.083881	0.916119	0.928518	0.963596	0.036404	2775.4310
65.5	\$22,455.00	\$4,325.00	0.192607	0.807393	0.839275	0.916119	0.083881	2776.3595
66.5	\$18,130.00	\$4,748.00	0.261886	0.738114	0.651883	0.807393	0.192607	2777.1988
67.5	\$13,382.00	\$634.00	0.047377	0.952623	0.544812	0.738114	0.261886	2777.8507
68.5	\$12,748.00	\$463.00	0.036319	0.963681	0.907490	0.952623	0.047377	2778.3955
69.5	\$12,285.00	\$6,950.00	0.565731	0.434269	0.928680	0.963681	0.036319	2779.3030
70.5	\$5,335.00	\$104.00	0.019494	0.980506	0.188590	0.434269	0.565731	2780.2316
71.5	\$5,231.00	\$4,427.00	0.846301	0.153699	0.961392	0.980506	0.019494	2780.4202
72.5	\$804.00	\$0.00	0.000000	1.000000	0.023623	0.153699	0.846301	2781.3816
73.5	\$804.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2781.4052
74.5	\$804.00	\$296.00	0.368159	0.631841	1.000000	1.000000	0.000000	2782.4052
75.5	\$508.00	\$0.00	0.000000	1.000000	0.399223	0.631841	0.368159	2783.4052
76.5	\$508.00	\$508.00	1.000000	0.000000	1.000000	1.000000	0.000000	2783.8045
77.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2784.8045
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2784.8045
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2785.8045
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2786.8045
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2787.8045
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2788.8045
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2789.8045
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2790.8045
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2791.8045
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2792.8045
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2793.8045
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2794.8045
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2795.8045
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2796.8045
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2797.8045
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2798.8045
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2799.8045
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2800.8045
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2801.8045
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2802.8045
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2803.8045
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2804.8045
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2805.8045
100.5					1.000000	1.000000	0.000000	2806.8045

San Diego Gas & Electric Company
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Observed Life Report

Account: E397.10-Commun. Equip.-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion			
			Retired	Surviving	Surviving	Surviving		
0	\$259,329,453.31	\$249.11	0.000001	0.999999	0.999998	0.999999	0.000001	2807.8045
0.5	\$245,783,920.09	\$182,532.60	0.000743	0.999257	0.999998	0.999999	0.000001	2808.8045
1.5	\$235,892,175.64	\$230,535.39	0.000977	0.999023	0.998515	0.999257	0.000743	2809.8045
2.5	\$202,456,345.92	\$372,739.84	0.001841	0.998159	0.998046	0.999023	0.000977	2810.8030
3.5	\$169,402,642.94	\$642,340.75	0.003792	0.996208	0.996321	0.998159	0.001841	2811.8010
4.5	\$155,795,513.73	\$247,414.55	0.001588	0.998412	0.992431	0.996208	0.003792	2812.7973
5.5	\$141,590,724.77	\$483,341.56	0.003414	0.996586	0.996826	0.998412	0.001588	2813.7898
6.5	\$126,293,805.11	\$692,567.61	0.005484	0.994516	0.993184	0.996586	0.003414	2814.7866
7.5	\$117,841,375.91	\$482,226.14	0.004092	0.995908	0.989063	0.994516	0.005484	2815.7798
8.5	\$107,851,471.41	\$1,001,886.51	0.009290	0.990710	0.991832	0.995908	0.004092	2816.7688
9.5	\$101,461,117.74	\$573,768.71	0.005655	0.994345	0.981507	0.990710	0.009290	2817.7607
10.5	\$93,761,435.60	\$1,107,467.23	0.011812	0.988188	0.988722	0.994345	0.005655	2818.7422
11.5	\$88,250,753.90	\$500,439.77	0.005671	0.994329	0.976516	0.988188	0.011812	2819.7309
12.5	\$82,920,066.82	\$7,308,686.09	0.088141	0.911859	0.988691	0.994329	0.005671	2820.7074
13.5	\$68,683,752.02	\$441,458.97	0.006427	0.993573	0.831486	0.911859	0.088141	2821.6961
14.5	\$62,072,146.39	\$507,485.85	0.008176	0.991824	0.987186	0.993573	0.006427	2822.5276
15.5	\$56,246,349.83	\$369,597.57	0.006571	0.993429	0.983715	0.991824	0.008176	2823.5148
16.5	\$52,569,732.27	\$405,231.73	0.007708	0.992292	0.986901	0.993429	0.006571	2824.4985
17.5	\$48,669,457.81	\$291,016.72	0.005979	0.994021	0.984642	0.992292	0.007708	2825.4854
18.5	\$43,581,707.81	\$406,086.08	0.009318	0.990682	0.988077	0.994021	0.005979	2826.4700
19.5	\$39,279,414.91	\$281,520.81	0.007167	0.992833	0.981451	0.990682	0.009318	2827.4581
20.5	\$23,173,177.34	\$46,685.88	0.002015	0.997985	0.985717	0.992833	0.007167	2828.4396
21.5	\$21,909,287.92	\$683,516.71	0.031198	0.968802	0.995975	0.997985	0.002015	2829.4253
22.5	\$17,784,277.72	\$387,972.13	0.021815	0.978185	0.938578	0.968802	0.031198	2830.4213
23.5	\$14,930,881.08	\$216,491.90	0.014500	0.985500	0.956845	0.978185	0.021815	2831.3598
24.5	\$13,692,937.17	\$121,172.46	0.008849	0.991151	0.971211	0.985500	0.014500	2832.3167
25.5	\$11,691,778.48	\$571,520.59	0.048882	0.951118	0.982380	0.991151	0.008849	2833.2879
26.5	\$10,433,666.25	\$104,884.17	0.010052	0.989948	0.904625	0.951118	0.048882	2834.2703
27.5	\$10,176,317.72	\$168,062.68	0.016515	0.983485	0.979996	0.989948	0.010052	2835.1749
28.5	\$9,422,215.01	\$54,791.06	0.005815	0.994185	0.967243	0.983485	0.016515	2836.1549
29.5	\$8,430,249.08	\$147,121.73	0.017452	0.982548	0.988404	0.994185	0.005815	2837.1221
30.5	\$8,255,084.00	\$47,837.27	0.005795	0.994205	0.965401	0.982548	0.017452	2838.1105
31.5	\$7,703,141.08	\$225,190.82	0.029234	0.970766	0.988444	0.994205	0.005795	2839.0759
32.5	\$7,400,566.41	\$112,924.61	0.015259	0.984741	0.942387	0.970766	0.029234	2840.0644
33.5	\$2,456,236.89	\$23,210.90	0.009450	0.990550	0.969715	0.984741	0.015259	2841.0068
34.5	\$390,307.22	\$34,508.64	0.088414	0.911586	0.981190	0.990550	0.009450	2841.9765
35.5	\$355,833.58	\$38,733.69	0.108853	0.891147	0.830989	0.911586	0.088414	2842.9577
36.5	\$317,099.89	\$35,166.45	0.110900	0.889100	0.794142	0.891147	0.108853	2843.7887
37.5	\$282,023.44	\$61,924.45	0.219572	0.780428	0.790498	0.889100	0.110900	2844.5828
38.5	\$220,098.99	\$82,387.27	0.374319	0.625681	0.609068	0.780428	0.219572	2845.3733
39.5	\$137,711.72	\$2,721.10	0.019759	0.980241	0.391477	0.625681	0.374319	2845.9824
40.5	\$134,990.62	\$2,043.99	0.015142	0.984858	0.960872	0.980241	0.019759	2846.3739
41.5	\$132,946.63	\$11,653.70	0.087657	0.912343	0.969946	0.984858	0.015142	2847.3347
42.5	\$121,292.93	\$11,076.91	0.091324	0.908676	0.832370	0.912343	0.087657	2848.3047
43.5	\$123,731.02	\$13,232.79	0.106948	0.893052	0.825693	0.908676	0.091324	2849.1370
44.5	\$115,560.23	\$42,755.71	0.369986	0.630014	0.797542	0.893052	0.106948	2849.9627
45.5	\$72,804.52	\$25,671.95	0.352615	0.647385	0.396917	0.630014	0.369986	2850.7603
46.5	\$47,132.57	\$3,023.22	0.064143	0.935857	0.419108	0.647385	0.352615	2851.1572
47.5	\$44,109.35	\$8,567.74	0.194239	0.805761	0.875829	0.935857	0.064143	2851.5763
48.5	\$35,541.61	\$6,652.98	0.187188	0.812812	0.649251	0.805761	0.194239	2852.4521
49.5	\$28,980.63	\$7,557.76	0.260787	0.739213	0.660663	0.812812	0.187188	2853.1014
50.5	\$21,422.87	\$7,872.87	0.367498	0.632502	0.546436	0.739213	0.260787	2853.7620
51.5	\$13,613.00	\$3,384.00	0.248586	0.751414	0.400058	0.632502	0.367498	2854.3085
52.5	\$10,229.00	\$0.00	0.000000	1.000000	0.564623	0.751414	0.248586	2854.7085

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Observed Life Report

Account: E397.10-Commun. Equip.-Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$10,229.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2855.2732
54.5	\$10,229.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2856.2732
55.5	\$10,229.00	\$92.00	0.008994	0.991006	1.000000	1.000000	0.000000	2857.2732
56.5	\$10,137.00	\$2,576.00	0.254119	0.745881	0.982093	0.991006	0.008994	2858.2732
57.5	\$7,561.00	\$62.00	0.008200	0.991800	0.556339	0.745881	0.254119	2859.2553
58.5	\$7,499.00	\$0.00	0.000000	1.000000	0.983667	0.991800	0.008200	2859.8116
59.5	\$7,499.00	\$7,499.00	1.000000	0.000000	1.000000	1.000000	0.000000	2860.7953
60.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2861.7953
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2861.7953
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2862.7953
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2863.7953
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2864.7953
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2865.7953
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2866.7953
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2867.7953
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2868.7953
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2869.7953
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2870.7953
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2871.7953
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2872.7953
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2873.7953
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2874.7953
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2875.7953
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2876.7953
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2877.7953
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2878.7953
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2879.7953
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2880.7953
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2881.7953
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2882.7953
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2883.7953
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2884.7953
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2885.7953
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2886.7953
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2887.7953
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2888.7953
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2889.7953
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2890.7953
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2891.7953
92.5					1.000000	1.000000	0.000000	2892.7953

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Observed Life Report

Account: E397.20-Commun. Equip.-SWPL
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$3,415,508.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2893.7953	
0.5	\$3,565,287.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2894.7953	
1.5	\$3,443,507.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2895.7953	
2.5	\$2,687,740.90	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2896.7953	
3.5	\$2,378,770.38	\$2,866.93	0.001205	0.998795	1.000000	1.000000	0.000000	2897.7953	
4.5	\$2,627,931.67	\$85,016.14	0.032351	0.967649	0.997591	0.998795	0.001205	2898.7953	
5.5	\$2,512,327.87	\$57,291.79	0.022804	0.977196	0.936345	0.967649	0.032351	2899.7929	
6.5	\$2,364,708.45	\$39,842.90	0.016849	0.983151	0.954912	0.977196	0.022804	2900.7292	
7.5	\$2,132,803.82	\$0.00	0.000000	1.000000	0.966586	0.983151	0.016849	2901.6841	
8.5	\$2,180,151.82	\$34,904.47	0.016010	0.983990	1.000000	1.000000	0.000000	2902.6507	
9.5	\$2,139,643.25	\$0.00	0.000000	1.000000	0.968236	0.983990	0.016010	2903.6507	
10.5	\$1,860,249.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2904.6189	
11.5	\$1,784,010.32	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2905.6189	
12.5	\$1,124,805.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2906.6189	
13.5	\$890,760.99	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2907.6189	
14.5	\$4,508,138.84	\$9,773.92	0.002168	0.997832	1.000000	1.000000	0.000000	2908.6189	
15.5	\$4,039,816.91	\$0.00	0.000000	1.000000	0.995669	0.997832	0.002168	2909.6189	
16.5	\$4,039,816.91	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2910.6146	
17.5	\$3,962,735.48	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2911.6146	
18.5	\$3,962,735.48	\$276,154.72	0.069688	0.930312	1.000000	1.000000	0.000000	2912.6146	
19.5	\$3,686,580.76	\$0.00	0.000000	1.000000	0.865481	0.930312	0.069688	2913.6146	
20.5	\$3,686,580.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2914.4801	
21.5	\$3,686,580.76	\$128,179.17	0.034769	0.965231	1.000000	1.000000	0.000000	2915.4801	
22.5	\$3,558,401.59	\$0.00	0.000000	1.000000	0.931671	0.965231	0.034769	2916.4801	
23.5	\$3,556,005.46	\$2,428.85	0.000683	0.999317	1.000000	1.000000	0.000000	2917.4118	
24.5	\$3,553,576.61	\$0.00	0.000000	1.000000	0.998634	0.999317	0.000683	2918.4118	
25.5	\$3,497,425.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2919.4104	
26.5	\$3,455,185.77	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2920.4104	
27.5	\$3,455,185.77	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2921.4104	
28.5	\$3,448,324.18	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2922.4104	
29.5	\$3,448,324.18	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2923.4104	
30.5	\$3,444,735.85	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2924.4104	
31.5	\$3,410,738.83	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2925.4104	
32.5					1.000000	1.000000	0.000000	2926.4104	

Observed Life Report

Account: E397.60-Commun. Equip.-SRPL

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$14,056,029.06	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2927.4104:	
0.5	\$14,051,857.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2928.4104:	
1.5	\$14,030,814.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2929.4104:	
2.5	\$14,004,228.91	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2930.4104:	
3.5	\$13,829,947.22	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2931.4104:	
4.5	\$406,993.31	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2932.4104:	
5.5					1.000000	1.000000	0.000000	2933.4104:	

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Observed Life Report

Account: E398.10-Misc. Equip. - Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$5,965,729.64	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2934.4104:
0.5	\$5,557,141.12	\$8.00	0.000001	0.999999	1.000000	1.000000	0.000000	2935.4104:
1.5	\$2,199,687.91	\$0.00	0.000000	1.000000	0.999997	0.999999	0.000001	2936.4104:
2.5	\$1,679,839.81	\$1,230.00	0.000732	0.999268	1.000000	1.000000	0.000000	2937.4104:
3.5	\$1,677,906.90	\$197.00	0.000117	0.999883	0.998536	0.999268	0.000732	2938.4104:
4.5	\$767,987.77	\$40.00	0.000052	0.999948	0.999765	0.999883	0.000117	2939.4089:
5.5	\$767,947.77	\$0.00	0.000000	1.000000	0.999896	0.999948	0.000052	2940.4087:
6.5	\$804,707.77	\$986.00	0.001225	0.998775	1.000000	1.000000	0.000000	2941.4086:
7.5	\$808,777.91	\$0.00	0.000000	1.000000	0.997551	0.998775	0.001225	2942.4086:
8.5	\$781,971.77	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2943.4061:
9.5	\$735,853.46	\$458.00	0.000622	0.999378	1.000000	1.000000	0.000000	2944.4061:
10.5	\$698,147.66	\$26.00	0.000037	0.999963	0.998756	0.999378	0.000622	2945.4061:
11.5	\$686,403.94	\$86,125.00	0.125473	0.874527	0.999926	0.999963	0.000037	2946.4049:
12.5	\$392,052.01	\$98,784.00	0.251967	0.748033	0.764798	0.874527	0.125473	2947.4048:
13.5	\$234,323.99	\$18,188.32	0.077620	0.922380	0.559554	0.748033	0.251967	2948.1696:
14.5	\$216,135.67	\$63,653.00	0.294505	0.705495	0.850784	0.922380	0.077620	2948.7292:
15.5	\$152,482.67	\$8,599.66	0.056398	0.943602	0.497723	0.705495	0.294505	2949.5800:
16.5	\$143,883.01	\$6,563.83	0.045619	0.954381	0.890385	0.943602	0.056398	2950.0777:
17.5	\$137,319.18	\$61,760.27	0.449757	0.550243	0.910843	0.954381	0.045619	2950.9681:
18.5	\$75,558.91	\$0.00	0.000000	1.000000	0.302767	0.550243	0.449757	2951.8789:
19.5	\$75,558.91	\$5,202.32	0.068851	0.931149	1.000000	1.000000	0.000000	2952.1817:
20.5	\$70,356.59	\$5,692.00	0.080902	0.919098	0.867038	0.931149	0.068851	2953.1817:
21.5	\$64,664.59	\$57,256.69	0.885441	0.114559	0.844741	0.919098	0.080902	2954.0487:
22.5	\$7,407.90	\$1,502.76	0.202859	0.797141	0.013124	0.114559	0.885441	2954.8934:
23.5	\$5,905.14	\$78.00	0.013209	0.986791	0.635434	0.797141	0.202859	2954.9066:
24.5	\$5,827.14	\$236.00	0.040500	0.959500	0.973757	0.986791	0.013209	2955.5420:
25.5	\$5,591.14	\$0.00	0.000000	1.000000	0.920640	0.959500	0.040500	2956.5158:
26.5	\$5,591.14	\$444.00	0.079411	0.920589	1.000000	1.000000	0.000000	2957.4364:
27.5	\$5,147.14	\$0.00	0.000000	1.000000	0.847483	0.920589	0.079411	2958.4364:
28.5	\$5,147.14	\$327.00	0.063530	0.936470	1.000000	1.000000	0.000000	2959.2839:
29.5	\$4,820.14	\$0.00	0.000000	1.000000	0.876975	0.936470	0.063530	2960.2839:
30.5	\$4,820.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2961.1609:
31.5	\$4,820.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2962.1609:
32.5	\$4,820.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2963.1609:
33.5	\$4,820.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2964.1609:
34.5	\$4,820.14	\$938.00	0.194600	0.805400	1.000000	1.000000	0.000000	2965.1609:
35.5	\$3,882.14	\$0.00	0.000000	1.000000	0.648669	0.805400	0.194600	2966.1609:
36.5	\$3,882.14	\$3,882.14	1.000000	0.000000	1.000000	1.000000	0.000000	2966.8095:
37.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	2967.8095:
38.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2967.8095:
39.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2968.8095:
40.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2969.8095:
41.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2970.8095:
42.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2971.8095:
43.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2972.8095:
44.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2973.8095:
45.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2974.8095:
46.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2975.8095:
47.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2976.8095:
48.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2977.8095:
49.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2978.8095:
50.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2979.8095:
51.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2980.8095:
52.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2981.8095:

San Diego Gas & Electric Company
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Observed Life Report

Account: E398.10-Misc. Equip. - Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2982.8095	
54.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2983.8095	
55.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2984.8095	
56.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2985.8095	
57.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2986.8095	
58.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2987.8095	
59.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2988.8095	
60.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2989.8095	
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2990.8095	
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2991.8095	
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2992.8095	
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2993.8095	
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2994.8095	
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2995.8095	
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2996.8095	
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2997.8095	
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2998.8095	
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	2999.8095	
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3000.8095	
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3001.8095	
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3002.8095	
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3003.8095	
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3004.8095	
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3005.8095	
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3006.8095	
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3007.8095	
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3008.8095	
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3009.8095	
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3010.8095	
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3011.8095	
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3012.8095	
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3013.8095	
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3014.8095	
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3015.8095	
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3016.8095	
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3017.8095	
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3018.8095	
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3019.8095	
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3020.8095	
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3021.8095	
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3022.8095	
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3023.8095	
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3024.8095	
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3025.8095	
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3026.8095	
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3027.8095	
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3028.8095	
100.5					1.000000	1.000000	0.000000	3029.8095	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G361.00-Struct. and Improv.
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$189,550.63	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3030.8095	
0.5	\$189,550.63	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3031.8095	
1.5					1.000000	1.000000	0.000000	3032.8095	
5.5	\$24,330.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3033.8095	
6.5	\$24,330.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3034.8095	
7.5	\$25,710.68	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3035.8095	
8.5	\$25,873.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3036.8095	
9.5	\$106,050.83	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3037.8095	
10.5	\$138,995.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3038.8095	
11.5	\$249,147.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3039.8095	
12.5	\$249,147.94	\$24,330.72	0.097656	0.902344	1.000000	1.000000	0.000000	3040.8095	
13.5	\$224,817.22	\$0.00	0.000000	1.000000	0.814225	0.902344	0.097656	3041.8095	
14.5	\$233,075.89	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3042.6238	
15.5	\$260,484.03	\$1,379.96	0.005298	0.994702	1.000000	1.000000	0.000000	3043.6238	
16.5	\$271,239.10	\$162.75	0.000600	0.999400	0.989433	0.994702	0.005298	3044.6238	
17.5	\$271,076.35	\$80,177.40	0.295774	0.704226	0.998800	0.999400	0.000600	3045.6132	
18.5	\$193,924.07	\$32,944.59	0.169884	0.830116	0.495934	0.704226	0.295774	3046.6120	
19.5	\$165,072.27	\$110,152.52	0.667299	0.332701	0.689093	0.830116	0.169884	3047.1079	
20.5	\$54,919.75	\$0.00	0.000000	1.000000	0.110690	0.332701	0.667299	3047.7970	
21.5	\$54,919.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3047.9077	
22.5	\$54,919.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3048.9077	
23.5	\$54,919.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3049.9077	
24.5	\$54,919.75	\$12,135.03	0.220959	0.779041	1.000000	1.000000	0.000000	3050.9077	
25.5	\$42,784.72	\$0.00	0.000000	1.000000	0.606904	0.779041	0.220959	3051.9077	
26.5	\$42,784.72	\$3,025.12	0.070706	0.929294	1.000000	1.000000	0.000000	3052.5146	
27.5	\$39,759.60	\$0.00	0.000000	1.000000	0.863588	0.929294	0.070706	3053.5146	
28.5	\$39,759.60	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3054.3782	
29.5	\$39,759.60	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3055.3782	
30.5	\$43,992.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3056.3782	
31.5	\$43,992.02	\$8,258.67	0.187731	0.812269	1.000000	1.000000	0.000000	3057.3782	
32.5	\$35,733.35	\$27,408.14	0.767018	0.232982	0.659781	0.812269	0.187731	3058.3782	
33.5	\$8,325.21	\$0.00	0.000000	1.000000	0.054280	0.232982	0.767018	3059.0380	
34.5	\$8,325.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3059.0923	
35.5	\$8,325.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3060.0923	
36.5	\$8,325.21	\$4,092.79	0.491614	0.508386	1.000000	1.000000	0.000000	3061.0923	
37.5	\$4,232.42	\$0.00	0.000000	1.000000	0.258456	0.508386	0.491614	3062.0923	
38.5	\$4,232.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3062.3507	
39.5	\$4,232.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3063.3507	
40.5	\$4,232.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3064.3507	
41.5	\$4,232.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3065.3507	
42.5	\$5,383.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3066.3507	
43.5	\$28,224.79	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3067.3507	
44.5	\$28,224.79	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3068.3507	
45.5	\$108,929.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3069.3507	
46.5	\$108,929.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3070.3507	
47.5	\$108,929.96	\$4,232.42	0.038855	0.961145	1.000000	1.000000	0.000000	3071.3507	
48.5	\$104,697.54	\$0.00	0.000000	1.000000	0.923801	0.961145	0.038855	3072.3507	
49.5	\$104,697.54	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3073.2745	
50.5	\$104,697.54	\$1,151.09	0.010994	0.989006	1.000000	1.000000	0.000000	3074.2745	
51.5	\$103,546.45	\$22,841.28	0.220590	0.779410	0.978132	0.989006	0.010994	3075.2745	
52.5	\$80,705.17	\$0.00	0.000000	1.000000	0.607480	0.779410	0.220590	3076.2526	
53.5	\$80,705.17	\$80,705.17	1.000000	0.000000	1.000000	1.000000	0.000000	3076.8601	
54.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	3077.8601	
55.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3077.8601	

Observed Life Report

Account: G361.00-Struct. and Improv.
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
56.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3078.8601'	
57.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3079.8601'	
58.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3080.8601'	
59.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3081.8601'	
60.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3082.8601'	
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3083.8601'	
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3084.8601'	
63.5					1.000000	1.000000	0.000000	3085.8601'	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G363.60-LNG Distrib Storg Eq
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$1,625,343.98	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3086.8601	
0.5	\$1,625,343.98	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3087.8601	
1.5	\$1,645,067.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3088.8601	
2.5	\$1,645,067.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3089.8601	
3.5	\$1,645,067.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3090.8601	
4.5	\$1,645,067.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3091.8601	
5.5	\$1,442,722.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3092.8601	
6.5	\$1,366,736.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3093.8601	
7.5	\$334,184.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3094.8601	
8.5	\$334,184.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3095.8601	
9.5	\$334,184.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3096.8601	
10.5	\$334,184.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3097.8601	
11.5	\$335,163.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3098.8601	
12.5	\$335,163.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3099.8601	
13.5	\$335,163.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3100.8601	
14.5	\$343,334.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3101.8601	
15.5	\$343,334.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3102.8601	
16.5	\$343,334.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3103.8601	
17.5	\$343,334.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3104.8601	
18.5	\$343,934.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3105.8601	
19.5	\$343,934.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3106.8601	
20.5	\$343,934.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3107.8601	
21.5	\$343,934.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3108.8601	
22.5	\$353,341.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3109.8601	
23.5	\$346,150.79	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3110.8601	
24.5	\$324,281.05	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3111.8601	
25.5	\$19,156.46	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3112.8601	
26.5	\$18,177.87	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3113.8601	
27.5	\$18,177.87	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3114.8601	
28.5	\$26,984.87	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3115.8601	
29.5	\$18,814.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3116.8601	
30.5	\$64,212.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3117.8601	
31.5	\$64,212.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3118.8601	
32.5	\$64,212.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3119.8601	
33.5	\$63,612.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3120.8601	
34.5	\$63,612.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3121.8601	
35.5	\$63,612.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3122.8601	
36.5	\$63,612.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3123.8601	
37.5	\$54,205.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3124.8601	
38.5	\$54,205.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3125.8601	
39.5	\$54,205.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3126.8601	
40.5	\$54,205.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3127.8601	
41.5	\$54,205.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3128.8601	
42.5	\$54,205.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3129.8601	
43.5	\$45,398.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3130.8601	
44.5	\$45,398.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3131.8601	
45.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3132.8601	
46.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3133.8601	
47.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3134.8601	
48.5					1.000000	1.000000	0.000000	3135.8601	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G366.00-Struct and Land Imp.
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$7,212,757.59	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3136.8601	
0.5	\$3,008,326.58	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3137.8601	
1.5	\$2,488,434.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3138.8601	
2.5	\$2,217,042.82	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3139.8601	
3.5	\$2,054,612.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3140.8601	
4.5	\$4,603,920.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3141.8601	
5.5	\$4,586,717.82	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3142.8601	
6.5	\$4,360,915.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3143.8601	
7.5	\$5,123,883.34	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3144.8601	
8.5	\$5,009,238.08	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3145.8601	
9.5	\$6,098,957.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3146.8601	
10.5	\$6,090,806.47	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3147.8601	
11.5	\$9,664,030.44	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3148.8601	
12.5	\$9,592,216.37	\$11,135.37	0.001161	0.998839	1.000000	1.000000	0.000000	3149.8601	
13.5	\$9,469,634.93	\$0.00	0.000000	1.000000	0.997680	0.998839	0.001161	3150.8601	
14.5	\$9,424,418.90	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3151.8578	
15.5	\$9,329,564.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3152.8578	
16.5	\$9,520,014.50	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3153.8578	
17.5	\$9,521,787.50	\$6,654.26	0.000699	0.999301	1.000000	1.000000	0.000000	3154.8578	
18.5	\$9,073,221.39	\$9,522.55	0.001050	0.998950	0.998603	0.999301	0.000699	3155.8578	
19.5	\$8,783,859.92	\$0.00	0.000000	1.000000	0.997902	0.998950	0.001050	3156.8564	
20.5	\$8,785,691.79	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3157.8543	
21.5	\$8,774,122.05	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3158.8543	
22.5	\$6,248,647.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3159.8543	
23.5	\$6,365,623.63	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3160.8543	
24.5	\$6,301,619.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3161.8543	
25.5	\$5,396,713.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3162.8543	
26.5	\$5,465,709.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3163.8543	
27.5	\$4,350,756.78	\$34,725.87	0.007982	0.992018	1.000000	1.000000	0.000000	3164.8543	
28.5	\$4,205,337.56	\$0.00	0.000000	1.000000	0.984101	0.992018	0.007982	3165.8543	
29.5	\$666,839.46	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3166.8384	
30.5	\$665,712.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3167.8384	
31.5	\$665,932.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3168.8384	
32.5	\$612,943.58	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3169.8384	
33.5	\$617,438.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3170.8384	
34.5	\$376,981.66	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3171.8384	
35.5	\$449,398.79	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3172.8384	
36.5	\$422,137.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3173.8384	
37.5	\$422,807.03	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3174.8384	
38.5	\$433,774.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3175.8384	
39.5	\$429,349.62	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3176.8384	
40.5	\$426,549.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3177.8384	
41.5	\$343,142.03	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3178.8384	
42.5	\$320,046.28	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3179.8384	
43.5	\$361,458.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3180.8384	
44.5	\$270,682.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3181.8384	
45.5	\$242,794.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3182.8384	
46.5	\$321,658.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3183.8384	
47.5	\$321,700.34	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3184.8384	
48.5	\$328,823.80	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3185.8384	
49.5	\$373,110.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3186.8384	
50.5	\$373,110.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3187.8384	
51.5	\$368,615.15	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3188.8384	
52.5	\$368,615.15	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3189.8384	

San Diego Gas & Electric Company
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Observed Life Report

Account: G366.00-Struct and Land Imp.
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$294,425.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3190.8384
54.5	\$294,425.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3191.8384
55.5	\$293,755.71	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3192.8384
56.5	\$280,956.60	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3193.8384
57.5	\$280,956.60	\$14,318.47	0.050963	0.949037	1.000000	1.000000	0.000000	3194.8384
58.5	\$266,262.70	\$0.00	0.000000	1.000000	0.900671	0.949037	0.050963	3195.8384
59.5	\$238,693.26	\$17,705.89	0.074178	0.925822	1.000000	1.000000	0.000000	3196.7391
60.5	\$220,830.06	\$0.00	0.000000	1.000000	0.857146	0.925822	0.074178	3197.7391
61.5	\$133,011.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3198.5962
62.5	\$132,932.36	\$9,496.80	0.071441	0.928559	1.000000	1.000000	0.000000	3199.5962
63.5	\$123,435.56	\$0.00	0.000000	1.000000	0.862222	0.928559	0.071441	3200.5962
64.5	\$51,671.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3201.4585
65.5	\$51,629.91	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3202.4585
66.5	\$44,506.45	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3203.4585
67.5					1.000000	1.000000	0.000000	3204.4585

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G367.00-Mains
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$127,384,769.77	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3205.4585	
0.5	\$148,780,913.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3206.4585	
1.5	\$125,015,161.16	\$2,768.65	0.000022	0.999978	1.000000	1.000000	0.000000	3207.4585	
2.5	\$134,203,006.70	\$111,887.63	0.000834	0.999166	0.999956	0.999978	0.000022	3208.4585	
3.5	\$101,352,092.96	\$0.00	0.000000	1.000000	0.998333	0.999166	0.000834	3209.4584	
4.5	\$108,089,911.82	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3210.4567	
5.5	\$107,541,971.13	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3211.4567	
6.5	\$107,224,356.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3212.4567	
7.5	\$107,260,525.92	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3213.4567	
8.5	\$103,886,640.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3214.4567	
9.5	\$103,687,150.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3215.4567	
10.5	\$102,535,655.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3216.4567	
11.5	\$103,485,673.20	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3217.4567	
12.5	\$103,470,962.66	\$21,031.34	0.000203	0.999797	1.000000	1.000000	0.000000	3218.4567	
13.5	\$103,255,232.03	\$6,958.33	0.000067	0.999933	0.999594	0.999797	0.000203	3219.4567	
14.5	\$103,109,678.14	\$0.00	0.000000	1.000000	0.999865	0.999933	0.000067	3220.4563	
15.5	\$101,443,536.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3221.4562	
16.5	\$102,278,101.48	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3222.4562	
17.5	\$94,980,408.18	\$69,225.62	0.000729	0.999271	1.000000	1.000000	0.000000	3223.4562	
18.5	\$68,108,905.58	\$0.00	0.000000	1.000000	0.998543	0.999271	0.000729	3224.4562	
19.5	\$46,958,837.90	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3225.4547	
20.5	\$29,560,009.98	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3226.4547	
21.5	\$26,896,205.45	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3227.4547	
22.5	\$7,308,992.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3228.4547	
23.5	\$6,441,699.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3229.4547	
24.5	\$7,768,430.50	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3230.4547	
25.5	\$7,791,905.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3231.4547	
26.5	\$8,833,854.68	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3232.4547	
27.5	\$8,844,413.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3233.4547	
28.5	\$8,875,305.10	\$480.09	0.000054	0.999946	1.000000	1.000000	0.000000	3234.4547	
29.5	\$6,172,103.18	\$0.00	0.000000	1.000000	0.999892	0.999946	0.000054	3235.4547	
30.5	\$5,637,662.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3236.4546	
31.5	\$5,637,845.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3237.4546	
32.5	\$5,544,278.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3238.4546	
33.5	\$5,974,064.68	\$17,831.74	0.002985	0.997015	1.000000	1.000000	0.000000	3239.4546	
34.5	\$4,680,443.11	\$0.00	0.000000	1.000000	0.994039	0.997015	0.002985	3240.4546	
35.5	\$4,156,417.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3241.4487	
36.5	\$3,853,093.89	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3242.4487	
37.5	\$3,849,676.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3243.4487	
38.5	\$9,907,296.12	\$14,652.52	0.001479	0.998521	1.000000	1.000000	0.000000	3244.4487	
39.5	\$9,892,643.60	\$0.00	0.000000	1.000000	0.997044	0.998521	0.001479	3245.4487	
40.5	\$9,453,868.29	\$4,182.37	0.000442	0.999558	1.000000	1.000000	0.000000	3246.4457	
41.5	\$9,434,726.09	\$158.84	0.000017	0.999983	0.999115	0.999558	0.000442	3247.4457	
42.5	\$8,111,470.02	\$1,600.29	0.000197	0.999803	0.999966	0.999983	0.000017	3248.4448	
43.5	\$8,109,869.73	\$0.00	0.000000	1.000000	0.999605	0.999803	0.000197	3249.4448	
44.5	\$7,070,321.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3250.4444	
45.5	\$7,062,801.25	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3251.4444	
46.5	\$6,962,159.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3252.4444	
47.5	\$6,939,970.68	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3253.4444	
48.5	\$6,895,464.52	\$1,214.56	0.000176	0.999824	1.000000	1.000000	0.000000	3254.4444	
49.5	\$9,051,606.85	\$9,819.81	0.001085	0.998915	0.999648	0.999824	0.000176	3255.4444	
50.5	\$9,018,773.74	\$22,134.70	0.002454	0.997546	0.997831	0.998915	0.001085	3256.4441	
51.5	\$8,278,276.04	\$0.00	0.000000	1.000000	0.995097	0.997546	0.002454	3257.4419	
52.5	\$8,271,997.16	\$13,731.31	0.001660	0.998340	1.000000	1.000000	0.000000	3258.4370	

Observed Life Report

Account: G367.00-Mains
Scenario: SDGE 2016 - Active Accounts
Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$8,258,265.85	\$7,062.57	0.000855	0.999145	0.996683	0.998340	0.001660	3259.4370
54.5	\$8,194,400.14	\$7,288.11	0.000889	0.999111	0.998290	0.999145	0.000855	3260.4337
55.5	\$8,187,112.03	\$0.00	0.000000	1.000000	0.998222	0.999111	0.000889	3261.4320
56.5	\$2,160,910.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3262.4302
57.5	\$2,160,910.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3263.4302
58.5	\$2,160,910.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3264.4302
59.5	\$2,160,910.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3265.4302
60.5	\$2,160,910.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3266.4302
61.5	\$2,160,910.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3267.4302
62.5	\$2,160,910.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3268.4302
63.5	\$2,158,030.30	\$1,638.86	0.000759	0.999241	1.000000	1.000000	0.000000	3269.4302
64.5	\$2,156,391.44	\$0.00	0.000000	1.000000	0.998482	0.999241	0.000759	3270.4302
65.5	\$2,156,391.44	\$5,896.51	0.002734	0.997266	1.000000	1.000000	0.000000	3271.4287
66.5	\$2,150,004.08	\$72,829.64	0.033874	0.966126	0.994539	0.997266	0.002734	3272.4287
67.5					0.933399	0.966126	0.033874	3273.4232

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G368.00-Compressor Statn Eq
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion		Surviving	Surviving
			Retired	Surviving	Surviving	Surviving		
0	\$45,639,253.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3274.3566
0.5	\$39,726,582.16	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3275.3566
1.5	\$41,372,104.89	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3276.3566
2.5	\$39,690,447.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3277.3566
3.5	\$38,992,067.08	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3278.3566
4.5	\$39,780,709.44	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3279.3566
5.5	\$36,457,187.01	\$64,687.15	0.001774	0.998226	1.000000	1.000000	0.000000	3280.3566
6.5	\$33,137,411.56	\$0.00	0.000000	1.000000	0.996454	0.998226	0.001774	3281.3566
7.5	\$44,891,313.12	\$92,208.81	0.002054	0.997946	1.000000	1.000000	0.000000	3282.3530
8.5	\$44,737,013.36	\$104,679.64	0.002340	0.997660	0.995896	0.997946	0.002054	3283.3530
9.5	\$44,575,198.96	\$0.00	0.000000	1.000000	0.995326	0.997660	0.002340	3284.3489
10.5	\$44,368,887.06	\$47,700.16	0.001075	0.998925	1.000000	1.000000	0.000000	3285.3443
11.5	\$55,868,844.84	\$0.00	0.000000	1.000000	0.997851	0.998925	0.001075	3286.3443
12.5	\$54,772,070.45	\$1,625.12	0.000030	0.999970	1.000000	1.000000	0.000000	3287.3421
13.5	\$51,727,009.71	\$167,429.92	0.003237	0.996763	0.999941	0.999970	0.000030	3288.3421
14.5	\$47,269,484.33	\$0.00	0.000000	1.000000	0.993537	0.996763	0.003237	3289.3421
15.5	\$45,279,948.92	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3290.3356
16.5	\$43,316,675.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3291.3356
17.5	\$42,857,982.16	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3292.3356
18.5	\$42,813,184.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3293.3356
19.5	\$39,978,497.83	\$25,233.73	0.000631	0.999369	1.000000	1.000000	0.000000	3294.3356
20.5	\$39,644,401.71	\$0.00	0.000000	1.000000	0.998738	0.999369	0.000631	3295.3356
21.5	\$38,854,279.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3296.3343
22.5	\$35,117,140.44	\$497.31	0.000014	0.999986	1.000000	1.000000	0.000000	3297.3343
23.5	\$33,807,678.35	\$443,245.72	0.013111	0.986889	0.999972	0.999986	0.000014	3298.3343
24.5	\$32,429,425.21	\$0.00	0.000000	1.000000	0.973950	0.986889	0.013111	3299.3343
25.5	\$13,746,027.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3300.3083
26.5	\$14,603,730.79	\$25,626.40	0.001755	0.998245	1.000000	1.000000	0.000000	3301.3083
27.5	\$14,411,927.03	\$131,612.88	0.009132	0.990868	0.996494	0.998245	0.001755	3302.3083
28.5	\$14,167,001.75	\$4,985.00	0.000352	0.999648	0.981819	0.990868	0.009132	3303.3048
29.5	\$1,925,227.63	\$2,088.56	0.001085	0.998915	0.999296	0.999648	0.000352	3304.2866
30.5	\$1,896,131.53	\$0.00	0.000000	1.000000	0.997832	0.998915	0.001085	3305.2859
31.5	\$1,895,541.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3306.2837
32.5	\$1,806,357.31	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3307.2837
33.5	\$1,808,135.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3308.2837
34.5	\$1,757,706.85	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3309.2837
35.5	\$1,788,301.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3310.2837
36.5	\$1,788,301.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3311.2837
37.5	\$1,730,667.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3312.2837
38.5	\$1,730,667.52	\$3,087.10	0.001784	0.998216	1.000000	1.000000	0.000000	3313.2837
39.5	\$1,656,258.04	\$0.00	0.000000	1.000000	0.996436	0.998216	0.001784	3314.2837
40.5	\$1,653,223.28	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3315.2801
41.5	\$1,875,273.67	\$462.13	0.000246	0.999754	1.000000	1.000000	0.000000	3316.2801
42.5	\$1,855,468.89	\$412,630.64	0.222386	0.777614	0.999507	0.999754	0.000246	3317.2801
43.5	\$1,880,600.45	\$353.17	0.000188	0.999812	0.604683	0.777614	0.222386	3318.2796
44.5	\$889,748.26	\$0.00	0.000000	1.000000	0.999624	0.999812	0.000188	3318.8843
45.5	\$889,748.26	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3319.8840
46.5	\$1,265,415.01	\$3,182.12	0.002515	0.997485	1.000000	1.000000	0.000000	3320.8840
47.5	\$1,260,677.89	\$0.00	0.000000	1.000000	0.994977	0.997485	0.002515	3321.8840
48.5	\$1,253,014.78	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3322.8789
49.5	\$1,253,014.78	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3323.8789
50.5	\$1,251,167.16	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3324.8789
51.5	\$1,249,388.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3325.8789
52.5	\$1,248,112.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3326.8789

San Diego Gas & Electric Company
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Observed Life Report

Account: G368.00-Compressor Statn Eq
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$1,115,256.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3327.8789'	
54.5	\$1,115,256.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3328.8789'	
55.5	\$1,115,256.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3329.8789'	
56.5	\$1,174,913.09	\$756.36	0.000644	0.999356	1.000000	1.000000	0.000000	3330.8789'	
57.5	\$1,171,743.29	\$11,320.27	0.009661	0.990339	0.998713	0.999356	0.000644	3331.8789'	
58.5	\$1,158,552.56	\$0.00	0.000000	1.000000	0.980771	0.990339	0.009661	3332.8776'	
59.5	\$948,148.55	\$7,311.95	0.007712	0.992288	1.000000	1.000000	0.000000	3333.8584'	
60.5	\$936,836.28	\$0.00	0.000000	1.000000	0.984636	0.992288	0.007712	3334.8584'	
61.5	\$493,663.71	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3335.8430'	
62.5	\$438,740.16	\$7,482.82	0.017055	0.982945	1.000000	1.000000	0.000000	3336.8430'	
63.5	\$431,257.34	\$0.00	0.000000	1.000000	0.966180	0.982945	0.017055	3337.8430'	
64.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3338.8092'	
65.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3339.8092'	
66.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3340.8092'	
67.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3341.8092'	
68.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3342.8092'	
69.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3343.8092'	
70.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3344.8092'	
71.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3345.8092'	
72.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3346.8092'	
73.5	\$59,656.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3347.8092'	
74.5					1.000000	1.000000	0.000000	3348.8092'	

San Diego Gas & Electric Company
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Observed Life Report

Account: G369.00-Meas & Reg Statn Eq
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$14,513,530.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3349.8092'	
0.5	\$16,117,658.39	\$832.33	0.000052	0.999948	1.000000	1.000000	0.000000	3350.8092'	
1.5	\$16,030,132.04	\$0.00	0.000000	1.000000	0.999897	0.999948	0.000052	3351.8092'	
2.5	\$13,068,077.66	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3352.8091'	
3.5	\$13,690,215.06	\$46,450.89	0.003393	0.996607	1.000000	1.000000	0.000000	3353.8091'	
4.5	\$14,507,177.37	\$0.00	0.000000	1.000000	0.993226	0.996607	0.003393	3354.8091'	
5.5	\$14,414,880.23	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3355.8024'	
6.5	\$14,154,842.14	\$904.66	0.000064	0.999936	1.000000	1.000000	0.000000	3356.8024'	
7.5	\$13,381,229.06	\$0.00	0.000000	1.000000	0.999872	0.999936	0.000064	3357.8024'	
8.5	\$13,213,644.58	\$7,829.33	0.000593	0.999407	1.000000	1.000000	0.000000	3358.8022'	
9.5	\$13,125,981.62	\$0.00	0.000000	1.000000	0.998815	0.999407	0.000593	3359.8022'	
10.5	\$12,904,558.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3360.8010'	
11.5	\$12,583,309.08	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3361.8010'	
12.5	\$12,037,853.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3362.8010'	
13.5	\$12,004,737.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3363.8010'	
14.5	\$12,100,358.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3364.8010'	
15.5	\$11,124,499.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3365.8010'	
16.5	\$11,151,675.23	\$34,479.57	0.003092	0.996908	1.000000	1.000000	0.000000	3366.8010'	
17.5	\$9,976,823.73	\$0.00	0.000000	1.000000	0.993826	0.996908	0.003092	3367.8010'	
18.5	\$6,313,483.01	\$26,363.66	0.004176	0.995824	1.000000	1.000000	0.000000	3368.7949'	
19.5	\$6,116,045.88	\$15,151.24	0.002477	0.997523	0.991666	0.995824	0.004176	3369.7949'	
20.5	\$6,086,826.66	\$35,853.26	0.005890	0.994110	0.995052	0.997523	0.002477	3370.7865'	
21.5	\$4,261,655.71	\$0.00	0.000000	1.000000	0.988254	0.994110	0.005890	3371.7816'	
22.5	\$2,432,019.21	\$45,405.06	0.018670	0.981330	1.000000	1.000000	0.000000	3372.7698'	
23.5	\$2,584,583.33	\$0.00	0.000000	1.000000	0.963009	0.981330	0.018670	3373.7698'	
24.5	\$2,600,319.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3374.7328'	
25.5	\$2,535,078.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3375.7328'	
26.5	\$2,513,718.45	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3376.7328'	
27.5	\$2,469,980.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3377.7328'	
28.5	\$2,378,859.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3378.7328'	
29.5	\$1,585,037.82	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3379.7328'	
30.5	\$1,508,294.98	\$2,531.52	0.001678	0.998322	1.000000	1.000000	0.000000	3380.7328'	
31.5	\$1,407,729.02	\$0.00	0.000000	1.000000	0.996646	0.998322	0.001678	3381.7328'	
32.5	\$1,224,353.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3382.7295'	
33.5	\$1,065,960.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3383.7295'	
34.5	\$991,962.39	\$16,049.28	0.016179	0.983821	1.000000	1.000000	0.000000	3384.7295'	
35.5	\$948,177.24	\$0.00	0.000000	1.000000	0.967903	0.983821	0.016179	3385.7295'	
36.5	\$912,805.66	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3386.6974'	
37.5	\$855,555.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3387.6974'	
38.5	\$968,219.67	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3388.6974'	
39.5	\$954,941.08	\$7,040.20	0.007372	0.992628	1.000000	1.000000	0.000000	3389.6974'	
40.5	\$851,870.19	\$6,609.23	0.007758	0.992242	0.985310	0.992628	0.007372	3390.6974'	
41.5	\$583,928.16	\$0.00	0.000000	1.000000	0.984543	0.992242	0.007758	3391.6827'	
42.5	\$505,981.22	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3392.6672'	
43.5	\$426,216.19	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3393.6672'	
44.5	\$329,285.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3394.6672'	
45.5	\$293,480.30	\$399.36	0.001361	0.998639	1.000000	1.000000	0.000000	3395.6672'	
46.5	\$283,987.27	\$0.00	0.000000	1.000000	0.997280	0.998639	0.001361	3396.6672'	
47.5	\$177,633.58	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3397.6645'	
48.5	\$163,230.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3398.6645'	
49.5	\$163,230.52	\$1,767.84	0.010830	0.989170	1.000000	1.000000	0.000000	3399.6645'	
50.5	\$160,466.07	\$0.00	0.000000	1.000000	0.978457	0.989170	0.010830	3400.6645'	
51.5	\$144,542.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3401.6430'	
52.5	\$144,444.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3402.6430'	

San Diego Gas & Electric Company
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Observed Life Report

Account: G369.00-Meas & Reg Statn Eq
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$139,120.11	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3403.6430:	
54.5	\$139,120.11	\$2,718.43	0.019540	0.980460	1.000000	1.000000	0.000000	3404.6430:	
55.5	\$136,401.68	\$0.00	0.000000	1.000000	0.961301	0.980460	0.019540	3405.6430:	
56.5	\$6,769.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3406.6043:	
57.5	\$6,769.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3407.6043:	
58.5	\$6,769.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3408.6043:	
59.5	\$6,769.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3409.6043:	
60.5	\$6,982.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3410.6043:	
61.5	\$6,982.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3411.6043:	
62.5	\$6,640.31	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3412.6043:	
63.5	\$6,551.02	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3413.6043:	
64.5	\$668.71	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3414.6043:	
65.5	\$668.71	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3415.6043:	
66.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3416.6043:	
67.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3417.6043:	
68.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3418.6043:	
69.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3419.6043:	
70.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3420.6043:	
71.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3421.6043:	
72.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3422.6043:	
73.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3423.6043:	
74.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3424.6043:	
75.5	\$212.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3425.6043:	
76.5	\$212.69	\$212.69	1.000000	0.000000	1.000000	1.000000	0.000000	3426.6043:	
77.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	3427.6043:	
78.5					1.000000	1.000000	0.000000	3427.6043:	

San Diego Gas & Electric Company
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Observed Life Report

Account: G375.00-Struct & Imp
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$30,778.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3428.6043:	
0.5	\$30,778.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3429.6043:	
1.5	\$30,778.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3430.6043:	
2.5	\$35,432.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3431.6043:	
3.5	\$35,919.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3432.6043:	
4.5	\$35,919.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3433.6043:	
5.5	\$35,919.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3434.6043:	
6.5	\$35,919.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3435.6043:	
7.5	\$35,919.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3436.6043:	
8.5	\$36,275.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3437.6043:	
9.5	\$38,733.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3438.6043:	
10.5	\$38,733.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3439.6043:	
11.5	\$38,813.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3440.6043:	
12.5	\$38,813.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3441.6043:	
13.5	\$38,813.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3442.6043:	
14.5	\$38,813.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3443.6043:	
15.5	\$38,813.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3444.6043:	
16.5	\$38,813.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3445.6043:	
17.5	\$38,813.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3446.6043:	
18.5	\$38,813.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3447.6043:	
19.5	\$40,314.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3448.6043:	
20.5	\$40,314.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3449.6043:	
21.5	\$40,314.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3450.6043:	
22.5	\$40,314.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3451.6043:	
23.5	\$40,314.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3452.6043:	
24.5	\$40,314.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3453.6043:	
25.5	\$40,314.72	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3454.6043:	
26.5	\$43,171.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3455.6043:	
27.5	\$41,815.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3456.6043:	
28.5	\$42,500.76	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3457.6043:	
29.5	\$42,500.76	\$889.21	0.020922	0.979078	1.000000	1.000000	0.000000	3458.6043:	
30.5	\$41,611.55	\$0.00	0.000000	1.000000	0.958593	0.979078	0.020922	3459.6043:	
31.5	\$41,677.60	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3460.5629:	
32.5	\$41,677.60	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3461.5629:	
33.5	\$41,677.60	\$487.09	0.011687	0.988313	1.000000	1.000000	0.000000	3462.5629:	
34.5	\$41,190.51	\$0.00	0.000000	1.000000	0.976762	0.988313	0.011687	3463.5629:	
35.5	\$41,190.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3464.5396:	
36.5	\$41,190.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3465.5396:	
37.5	\$42,497.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3466.5396:	
38.5	\$39,376.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3467.5396:	
39.5	\$40,739.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3468.5396:	
40.5	\$40,739.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3469.5396:	
41.5	\$40,739.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3470.5396:	
42.5	\$32,511.79	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3471.5396:	
43.5	\$18,853.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3472.5396:	
44.5	\$17,598.91	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3473.5396:	
45.5	\$28,622.81	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3474.5396:	
46.5	\$28,136.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3475.5396:	
47.5	\$28,136.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3476.5396:	
48.5	\$28,136.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3477.5396:	
49.5	\$23,483.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3478.5396:	
50.5	\$23,483.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3479.5396:	
51.5	\$23,483.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3480.5396:	
52.5	\$23,483.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3481.5396:	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G375.00-Struct & Imp
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$23,483.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3482.5396	
54.5	\$23,483.29	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3483.5396	
55.5	\$23,127.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3484.5396	
56.5	\$20,669.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3485.5396	
57.5	\$20,669.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3486.5396	
58.5	\$20,589.77	\$347.55	0.016880	0.983120	1.000000	1.000000	0.000000	3487.5396	
59.5	\$20,242.22	\$0.00	0.000000	1.000000	0.966525	0.983120	0.016880	3488.5396	
60.5	\$20,242.22	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3489.5062	
61.5	\$20,242.22	\$66.05	0.003263	0.996737	1.000000	1.000000	0.000000	3490.5062	
62.5	\$20,176.17	\$0.00	0.000000	1.000000	0.993485	0.996737	0.003263	3491.5062	
63.5	\$20,176.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3492.4997	
64.5	\$20,176.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3493.4997	
65.5	\$20,176.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3494.4997	
66.5	\$18,674.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3495.4997	
67.5	\$18,674.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3496.4997	
68.5	\$18,674.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3497.4997	
69.5	\$18,674.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3498.4997	
70.5	\$18,674.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3499.4997	
71.5	\$18,674.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3500.4997	
72.5	\$18,674.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3501.4997	
73.5	\$18,674.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3502.4997	
74.5	\$17,173.92	\$915.00	0.053278	0.946722	1.000000	1.000000	0.000000	3503.4997	
75.5	\$15,921.00	\$13,251.00	0.832297	0.167703	0.896282	0.946722	0.053278	3504.4997	
76.5	\$2,670.00	\$0.00	0.000000	1.000000	0.028124	0.167703	0.832297	3505.3959	
77.5	\$2,670.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3505.4241	
78.5	\$2,670.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3506.4241	
79.5	\$2,670.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3507.4241	
80.5	\$2,670.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3508.4241	
81.5	\$2,670.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3509.4241	
82.5	\$2,670.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3510.4241	
83.5	\$2,670.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3511.4241	
84.5	\$1,363.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3512.4241	
85.5	\$1,363.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3513.4241	
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3514.4241	
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3515.4241	
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3516.4241	
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3517.4241	
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3518.4241	
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3519.4241	
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3520.4241	
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3521.4241	
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3522.4241	
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3523.4241	
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3524.4241	
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3525.4241	
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3526.4241	
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3527.4241	
100.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3528.4241	
101.5					1.000000	1.000000	0.000000	3529.4241	

San Diego Gas & Electric Company
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Observed Life Report

Account: G376.00-Mains
Scenario: SDGE 2016 - Active Accounts
Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$852,283,886.49	\$73,308.23	0.000086	0.999914	0.999828
0.5	\$697,505,407.69	\$449,110.70	0.000644	0.999356	0.999828
1.5	\$626,387,981.38	\$576,514.96	0.000920	0.999080	0.998713
2.5	\$559,527,468.55	\$758,983.90	0.001356	0.998644	0.998160
3.5	\$542,486,156.79	\$846,647.99	0.001561	0.998439	0.997289
4.5	\$519,204,945.63	\$765,224.12	0.001474	0.998526	0.996881
5.5	\$510,048,380.33	\$970,677.01	0.001903	0.998097	0.997054
6.5	\$498,295,578.92	\$527,117.43	0.001058	0.998942	0.996197
7.5	\$485,063,657.33	\$424,278.11	0.000875	0.999125	0.997885
8.5	\$476,814,080.95	\$297,599.76	0.000624	0.999376	0.998251
9.5	\$467,107,868.48	\$544,095.41	0.001165	0.998835	0.998752
10.5	\$452,687,440.94	\$263,122.76	0.000581	0.999419	0.997672
11.5	\$444,356,198.46	\$319,108.71	0.000718	0.999282	0.998338
12.5	\$430,626,131.35	\$417,610.45	0.000970	0.999030	0.998564
13.5	\$410,174,365.28	\$559,019.53	0.001363	0.998637	0.998061
14.5	\$394,402,618.60	\$301,412.75	0.000764	0.999236	0.997276
15.5	\$380,587,435.96	\$360,197.49	0.000946	0.999054	0.998472
16.5	\$368,624,796.84	\$900,195.73	0.002442	0.997558	0.998108
17.5	\$351,032,128.39	\$524,224.06	0.001493	0.998507	0.995122
18.5	\$333,009,178.01	\$900,911.49	0.002705	0.997295	0.997015
19.5	\$322,052,008.92	\$339,922.79	0.001055	0.998945	0.994597
20.5	\$308,673,276.95	\$398,363.17	0.001291	0.998709	0.997890
21.5	\$301,844,746.57	\$256,288.98	0.000849	0.999151	0.997421
22.5	\$283,163,936.48	\$443,825.17	0.001567	0.998433	0.998303
23.5	\$268,927,232.67	\$362,459.76	0.001348	0.998652	0.996868
24.5	\$252,714,025.16	\$237,228.70	0.000939	0.999061	0.997306
25.5	\$234,356,342.70	\$230,692.83	0.000984	0.999016	0.998123
26.5	\$217,107,855.74	\$323,371.47	0.001489	0.998511	0.998032
27.5	\$200,167,821.43	\$289,945.83	0.001449	0.998551	0.997023
28.5	\$182,683,256.07	\$159,110.02	0.000871	0.999129	0.997105
29.5	\$167,351,022.69	\$173,491.56	0.001037	0.998963	0.998259
30.5	\$151,546,446.41	\$184,101.59	0.001215	0.998785	0.997928
31.5	\$139,545,512.10	\$194,764.67	0.001396	0.998604	0.997572
32.5	\$129,419,770.33	\$271,313.34	0.002096	0.997904	0.997211
33.5	\$120,740,995.48	\$238,883.23	0.001978	0.998022	0.995812
34.5	\$110,322,420.26	\$182,943.95	0.001658	0.998342	0.996047
35.5	\$99,507,777.38	\$186,626.42	0.001875	0.998125	0.996686
36.5	\$92,164,224.13	\$140,494.80	0.001524	0.998476	0.996253
37.5	\$84,719,095.04	\$249,628.92	0.002947	0.997053	0.996954
38.5	\$80,018,524.98	\$139,193.79	0.001740	0.998260	0.994116
39.5	\$75,963,137.39	\$184,594.94	0.002430	0.997570	0.996524
40.5	\$72,151,302.76	\$171,572.28	0.002378	0.997622	0.995146
41.5	\$67,486,992.03	\$118,247.27	0.001752	0.998248	0.995250
42.5	\$62,661,892.43	\$142,906.46	0.002281	0.997719	0.996499
43.5	\$58,010,587.55	\$137,434.70	0.002369	0.997631	0.995444
44.5	\$53,233,538.79	\$255,244.72	0.004795	0.995205	0.995267
45.5	\$48,777,744.12	\$92,774.20	0.001902	0.998098	0.990433
46.5	\$45,125,845.10	\$84,560.31	0.001874	0.998126	0.996200
47.5	\$42,410,114.17	\$79,229.22	0.001868	0.998132	0.996256
48.5	\$39,143,941.56	\$116,862.07	0.002985	0.997015	0.996267
49.5	\$37,442,732.02	\$110,485.15	0.002951	0.997049	0.994038
50.5	\$35,492,101.90	\$115,919.87	0.003266	0.996734	0.994107
51.5	\$32,976,037.70	\$125,345.69	0.003801	0.996199	0.993479
52.5	\$30,304,031.24	\$56,478.31	0.001864	0.998136	0.992412

San Diego Gas & Electric Company
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Observed Life Report

Account: G376.00-Mains
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
53.5	\$27,843,005.81	\$99,183.27	0.003562	0.996438	0.996276
54.5	\$25,195,457.79	\$90,876.81	0.003607	0.996393	0.992888
55.5	\$22,921,614.36	\$42,337.65	0.001847	0.998153	0.992799
56.5	\$19,911,719.97	\$37,127.43	0.001865	0.998135	0.996309
57.5	\$16,851,570.56	\$82,786.43	0.004913	0.995087	0.996274
58.5	\$13,551,669.39	\$36,382.78	0.002685	0.997315	0.990199
59.5	\$11,763,451.19	\$22,726.53	0.001932	0.998068	0.994638
60.5	\$10,388,647.06	\$23,416.92	0.002254	0.997746	0.996140
61.5	\$9,282,681.73	\$27,566.09	0.002970	0.997030	0.995497
62.5	\$8,313,425.10	\$47,208.77	0.005679	0.994321	0.994070
63.5	\$6,853,884.84	\$46,270.95	0.006751	0.993249	0.988675
64.5	\$6,014,203.06	\$30,552.95	0.005080	0.994920	0.986543
65.5	\$4,956,391.24	\$25,658.72	0.005177	0.994823	0.989866
66.5	\$3,977,642.15	\$18,097.52	0.004550	0.995450	0.989673
67.5	\$3,383,204.38	\$37,037.16	0.010947	0.989053	0.990921
68.5	\$2,765,696.55	\$11,089.74	0.004010	0.995990	0.978225
69.5	\$2,566,752.25	\$19,666.58	0.007662	0.992338	0.991997
70.5	\$2,327,243.55	\$17,783.58	0.007641	0.992359	0.984735
71.5	\$1,856,857.28	\$7,003.47	0.003772	0.996228	0.984775
72.5	\$1,806,485.25	\$10,231.71	0.005664	0.994336	0.992471
73.5	\$1,772,614.82	\$4,921.55	0.002776	0.997224	0.988704
74.5	\$1,630,579.00	\$11,862.44	0.007275	0.992725	0.994455
75.5	\$1,437,690.84	\$10,038.49	0.006982	0.993018	0.985503
76.5	\$1,384,686.60	\$8,485.95	0.006128	0.993872	0.986084
77.5	\$1,312,682.93	\$7,536.30	0.005741	0.994259	0.987781
78.5	\$1,218,801.04	\$9,071.81	0.007443	0.992557	0.988551
79.5	\$1,171,708.88	\$9,872.72	0.008426	0.991574	0.985169
80.5	\$1,107,295.00	\$16,409.98	0.014820	0.985180	0.983219
81.5	\$1,032,955.69	\$8,218.42	0.007956	0.992044	0.970580
82.5	\$1,015,704.89	\$1,695.88	0.001670	0.998330	0.984151
83.5	\$1,005,470.68	\$5,064.36	0.005037	0.994963	0.996663
84.5	\$916,446.54	\$1,299.59	0.001418	0.998582	0.989952
85.5	\$731,763.34	\$2,573.31	0.003517	0.996483	0.997166
86.5	\$687,559.36	\$2,080.72	0.003026	0.996974	0.992979
87.5	\$576,021.39	\$5,038.24	0.008747	0.991253	0.993957
88.5	\$393,859.32	\$817.55	0.002076	0.997924	0.982583
89.5	\$330,912.59	\$27,630.52	0.083498	0.916502	0.995853
90.5	\$237,563.37	\$11,188.18	0.047096	0.952904	0.839976
91.5	\$204,970.97	\$945.36	0.004612	0.995388	0.908027
92.5	\$152,053.38	\$0.00	0.000000	1.000000	0.990797
93.5	\$62,439.30	\$20.09	0.000322	0.999678	1.000000
94.5	\$21,921.97	\$460.65	0.021013	0.978987	0.999357
95.5	\$12,273.99	\$0.00	0.000000	1.000000	0.958415
96.5	\$11,246.57	\$85.54	0.007606	0.992394	1.000000
97.5	\$10,560.46	\$2.29	0.000217	0.999783	0.984846
98.5	\$6,620.99	\$0.00	0.000000	1.000000	0.999566
99.5	\$4,721.61	\$0.00	0.000000	1.000000	1.000000
100.5	\$3,846.85	\$0.00	0.000000	1.000000	1.000000
101.5					1.000000

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G378.00-Meas & Reg Statn Eq
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$16,601,619.35	\$558.73	0.000034	0.999966	0.999933
0.5	\$18,192,018.77	\$816.00	0.000045	0.999955	0.999933
1.5	\$18,179,918.89	\$33,169.00	0.001824	0.998176	0.999910
2.5	\$17,566,691.88	\$3,634.00	0.000207	0.999793	0.996354
3.5	\$15,632,481.58	\$93,439.00	0.005977	0.994023	0.999586
4.5	\$13,806,444.59	\$39,945.00	0.002893	0.997107	0.988081
5.5	\$12,768,912.70	\$64,265.00	0.005033	0.994967	0.994222
6.5	\$10,300,973.41	\$50,897.00	0.004941	0.995059	0.989959
7.5	\$9,147,024.13	\$20,780.00	0.002272	0.997728	0.990142
8.5	\$8,854,680.37	\$31,828.19	0.003595	0.996405	0.995462
9.5	\$8,605,637.52	\$52,183.73	0.006064	0.993936	0.992824
10.5	\$8,368,716.54	\$68,604.00	0.008198	0.991802	0.987909
11.5	\$7,755,823.98	\$25,043.00	0.003229	0.996771	0.983672
12.5	\$7,691,446.34	\$29,701.00	0.003862	0.996138	0.993553
13.5	\$7,250,755.23	\$18,454.00	0.002545	0.997455	0.992292
14.5	\$7,032,073.49	\$48,077.00	0.006837	0.993163	0.994916
15.5	\$6,831,311.52	\$28,874.98	0.004227	0.995773	0.986373
16.5	\$6,471,667.55	\$48,308.00	0.007465	0.992535	0.991564
17.5	\$6,114,753.28	\$35,803.00	0.005855	0.994145	0.985127
18.5	\$5,067,819.66	\$32,197.00	0.006353	0.993647	0.988324
19.5	\$4,335,659.13	\$35,035.65	0.008081	0.991919	0.987334
20.5	\$4,186,168.22	\$43,226.48	0.010326	0.989674	0.983904
21.5	\$3,967,164.21	\$35,982.15	0.009070	0.990930	0.979455
22.5	\$3,698,139.13	\$20,943.00	0.005663	0.994337	0.981942
23.5	\$3,545,397.62	\$10,294.00	0.002903	0.997097	0.988706
24.5	\$3,332,031.32	\$27,956.00	0.008390	0.991610	0.994201
25.5	\$3,055,674.43	\$21,280.00	0.006964	0.993036	0.983290
26.5	\$2,675,140.05	\$21,162.58	0.007911	0.992089	0.986120
27.5	\$2,261,911.08	\$3,401.00	0.001504	0.998496	0.984241
28.5	\$2,170,472.97	\$6,757.00	0.003113	0.996887	0.996995
29.5	\$2,088,620.42	\$13,887.00	0.006649	0.993351	0.993783
30.5	\$1,925,692.95	\$16,655.61	0.008649	0.991351	0.986746
31.5	\$1,760,242.15	\$29,852.00	0.016959	0.983041	0.982777
32.5	\$1,655,169.43	\$4,570.00	0.002761	0.997239	0.966370
33.5	\$1,321,194.62	\$16,540.25	0.012519	0.987481	0.994486
34.5	\$1,145,277.42	\$11,853.00	0.010349	0.989651	0.975118
35.5	\$1,073,049.95	\$13,890.99	0.012945	0.987055	0.979408
36.5	\$1,010,778.03	\$6,558.00	0.006488	0.993512	0.974277
37.5	\$811,376.14	\$14,771.00	0.018205	0.981795	0.987066
38.5	\$695,385.21	\$1,140.00	0.001639	0.998361	0.963922
39.5	\$639,447.99	\$3,802.00	0.005946	0.994054	0.996724
40.5	\$629,948.59	\$2,149.00	0.003411	0.996589	0.988144
41.5	\$474,002.89	\$5,863.00	0.012369	0.987631	0.993189
42.5	\$412,936.41	\$716.00	0.001734	0.998266	0.975415
43.5	\$304,066.92	\$4,330.00	0.014240	0.985760	0.996535
44.5	\$194,697.33	\$11,961.63	0.061437	0.938563	0.971722
45.5	\$141,785.93	\$1,773.00	0.012505	0.987495	0.880900
46.5	\$117,266.20	\$3,996.00	0.034076	0.965924	0.975147
47.5	\$110,367.45	\$7,293.00	0.066079	0.933921	0.933009
48.5	\$101,525.15	\$2,524.00	0.024861	0.975139	0.872208
49.5	\$78,302.39	\$1,438.00	0.018365	0.981635	0.950896
50.5	\$58,609.24	\$322.00	0.005494	0.994506	0.963608
51.5	\$56,822.32	\$14,791.00	0.260303	0.739697	0.989042
52.5	\$41,167.45	\$2,135.00	0.051861	0.948139	0.547152

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G378.00-Meas & Reg Statn Eq
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
53.5	\$33,184.88	\$169.00	0.005093	0.994907	0.898967
54.5	\$25,984.34	\$0.00	0.000000	1.000000	0.989841
55.5	\$16,352.38	\$346.00	0.021159	0.978841	1.000000
56.5	\$16,006.38	\$0.00	0.000000	1.000000	0.958130
57.5	\$7,353.41	\$463.00	0.062964	0.937036	1.000000
58.5	\$6,890.41	\$366.00	0.053117	0.946883	0.878036
59.5	\$6,524.41	\$322.00	0.049353	0.950647	0.896587
60.5	\$6,202.41	\$211.00	0.034019	0.965981	0.903729
61.5	\$4,948.08	\$660.00	0.133385	0.866615	0.933119
62.5	\$4,288.08	\$815.00	0.190062	0.809938	0.751021
63.5	\$3,473.08	\$0.00	0.000000	1.000000	0.656000
64.5	\$3,298.08	\$0.00	0.000000	1.000000	1.000000
65.5	\$3,298.08	\$0.00	0.000000	1.000000	1.000000
66.5	\$3,298.08	\$93.00	0.028198	0.971802	1.000000
67.5	\$3,205.08	\$0.00	0.000000	1.000000	0.944399
68.5	\$3,205.08	\$0.00	0.000000	1.000000	1.000000
69.5	\$3,205.08	\$0.00	0.000000	1.000000	1.000000
70.5	\$3,205.08	\$0.00	0.000000	1.000000	1.000000
71.5	\$3,171.17	\$0.00	0.000000	1.000000	1.000000
72.5	\$3,171.17	\$0.00	0.000000	1.000000	1.000000
73.5	\$3,171.17	\$0.00	0.000000	1.000000	1.000000
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
99.5					1.000000

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G380.00-Services
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$258,123,301.24	\$123,817.27	0.000480	0.999520	0.999041	0.999520	0.000480	3730.92001
0.5	\$248,513,020.70	\$729,567.68	0.002936	0.997064	0.999041	0.999520	0.000480	3731.91901
1.5	\$243,566,273.89	\$671,677.00	0.002758	0.997242	0.994137	0.997064	0.002936	3732.91801
2.5	\$240,008,730.03	\$604,907.39	0.002520	0.997480	0.994492	0.997242	0.002758	3733.91221
3.5	\$237,078,281.00	\$449,116.04	0.001894	0.998106	0.994966	0.997480	0.002520	3734.90671
4.5	\$233,813,912.25	\$433,060.86	0.001852	0.998148	0.996215	0.998106	0.001894	3735.90161
5.5	\$231,434,941.02	\$443,827.58	0.001918	0.998082	0.996299	0.998148	0.001852	3736.89781
6.5	\$228,992,358.59	\$369,671.27	0.001614	0.998386	0.996168	0.998082	0.001918	3737.89411
7.5	\$225,681,676.09	\$407,669.82	0.001806	0.998194	0.996774	0.998386	0.001614	3738.89031
8.5	\$224,012,511.72	\$429,254.40	0.001916	0.998084	0.996390	0.998194	0.001806	3739.88711
9.5	\$221,149,383.86	\$318,875.83	0.001442	0.998558	0.996171	0.998084	0.001916	3740.88351
10.5	\$217,763,383.55	\$368,176.53	0.001691	0.998309	0.997118	0.998558	0.001442	3741.87961
11.5	\$214,752,994.40	\$389,296.88	0.001813	0.998187	0.996621	0.998309	0.001691	3742.87681
12.5	\$211,690,088.57	\$357,730.91	0.001690	0.998310	0.996378	0.998187	0.001813	3743.87341
13.5	\$207,097,452.02	\$362,002.64	0.001748	0.998252	0.996623	0.998310	0.001690	3744.86981
14.5	\$203,808,783.71	\$352,783.68	0.001731	0.998269	0.996507	0.998252	0.001748	3745.86641
15.5	\$201,024,228.97	\$373,452.56	0.001858	0.998142	0.996541	0.998269	0.001731	3746.86291
16.5	\$197,603,014.89	\$427,838.25	0.002165	0.997835	0.996288	0.998142	0.001858	3747.85941
17.5	\$193,899,000.44	\$382,999.61	0.001975	0.998025	0.995674	0.997835	0.002165	3748.85571
18.5	\$188,379,565.41	\$371,477.50	0.001972	0.998028	0.996053	0.998025	0.001975	3749.85141
19.5	\$184,700,660.16	\$435,464.30	0.002358	0.997642	0.996060	0.998028	0.001972	3750.84751
20.5	\$178,487,263.19	\$482,161.03	0.002701	0.997299	0.995290	0.997642	0.002358	3751.84351
21.5	\$171,912,619.00	\$342,918.63	0.001995	0.998005	0.994605	0.997299	0.002701	3752.83881
22.5	\$164,628,876.30	\$298,839.62	0.001815	0.998185	0.996015	0.998005	0.001995	3753.83341
23.5	\$156,379,196.15	\$296,056.49	0.001893	0.998107	0.996373	0.998185	0.001815	3754.82941
24.5	\$147,885,226.77	\$327,508.39	0.002215	0.997785	0.996217	0.998107	0.001893	3755.82581
25.5	\$138,428,498.09	\$260,036.06	0.001878	0.998122	0.995576	0.997785	0.002215	3756.82201
26.5	\$129,670,217.07	\$254,027.17	0.001959	0.998041	0.996247	0.998122	0.001878	3757.81761
27.5	\$119,485,963.32	\$230,783.46	0.001931	0.998069	0.996086	0.998041	0.001959	3758.81381
28.5	\$108,275,334.15	\$249,075.84	0.002300	0.997700	0.996141	0.998069	0.001931	3759.80991
29.5	\$97,431,716.51	\$212,309.66	0.002179	0.997821	0.995405	0.997700	0.002300	3760.80611
30.5	\$85,941,717.06	\$231,628.53	0.002695	0.997305	0.995647	0.997821	0.002179	3761.80151
31.5	\$76,808,745.87	\$277,318.88	0.003611	0.996389	0.994617	0.997305	0.002695	3762.79711
32.5	\$69,343,021.30	\$230,348.44	0.003322	0.996678	0.992792	0.996389	0.003611	3763.79171
33.5	\$64,272,935.55	\$164,570.06	0.002560	0.997440	0.993367	0.996678	0.003322	3764.78451
34.5	\$60,029,610.01	\$175,373.00	0.002921	0.997079	0.994886	0.997440	0.002560	3765.77791
35.5	\$56,054,857.60	\$174,648.06	0.003116	0.996884	0.994166	0.997079	0.002921	3766.77281
36.5	\$51,603,613.06	\$180,042.90	0.003489	0.996511	0.993778	0.996884	0.003116	3767.76691
37.5	\$46,269,621.23	\$154,332.55	0.003336	0.996664	0.993034	0.996511	0.003489	3768.76071
38.5	\$42,181,899.40	\$137,364.92	0.003256	0.996744	0.993340	0.996664	0.003336	3769.75371
39.5	\$37,942,822.93	\$136,124.69	0.003588	0.996412	0.993498	0.996744	0.003256	3770.74711
40.5	\$34,579,172.08	\$115,186.62	0.003331	0.996669	0.992838	0.996412	0.003588	3771.74061
41.5	\$32,175,590.32	\$119,922.21	0.003727	0.996273	0.993349	0.996669	0.003331	3772.73341
42.5	\$29,062,153.57	\$141,093.74	0.004855	0.995145	0.992560	0.996273	0.003727	3773.72681
43.5	\$26,474,713.49	\$147,442.01	0.005569	0.994431	0.990314	0.995145	0.004855	3774.71931
44.5	\$23,861,345.97	\$133,023.91	0.005575	0.994425	0.988893	0.994431	0.005569	3775.70961
45.5	\$21,676,691.75	\$100,171.79	0.004621	0.995379	0.988881	0.994425	0.005575	3776.69851
46.5	\$19,765,566.40	\$96,243.99	0.004869	0.995131	0.990779	0.995379	0.004621	3777.68741
47.5	\$18,153,956.07	\$84,796.14	0.004671	0.995329	0.990285	0.995131	0.004869	3778.67821
48.5	\$16,677,436.26	\$86,629.90	0.005194	0.994806	0.990680	0.995329	0.004671	3779.66851
49.5	\$15,580,262.19	\$80,309.83	0.005155	0.994845	0.989638	0.994806	0.005194	3780.65921
50.5	\$14,668,466.31	\$70,685.96	0.004819	0.995181	0.989717	0.994845	0.005155	3781.64881
51.5	\$13,721,489.21	\$61,777.07	0.004502	0.995498	0.990385	0.995181	0.004819	3782.63851
52.5	\$12,579,500.61	\$58,042.55	0.004614	0.995386	0.991016	0.995498	0.004502	3783.62891

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G380.00-Services
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative			
			Retired	Surviving	Proportion	Surviving		
53.5	\$11,573,645.31	\$71,933.42	0.006215	0.993785	0.990793	0.995386	0.004614	3784.6199
54.5	\$10,641,599.00	\$52,004.76	0.004887	0.995113	0.987608	0.993785	0.006215	3785.6107
55.5	\$9,641,237.83	\$46,014.60	0.004773	0.995227	0.990250	0.995113	0.004887	3786.5983
56.5	\$8,389,413.88	\$39,587.97	0.004719	0.995281	0.990477	0.995227	0.004773	3787.5886
57.5	\$6,853,356.26	\$32,616.60	0.004759	0.995241	0.990585	0.995281	0.004719	3788.5791
58.5	\$5,773,032.98	\$34,016.28	0.005892	0.994108	0.990504	0.995241	0.004759	3789.5696
59.5	\$4,975,057.11	\$24,463.29	0.004917	0.995083	0.988250	0.994108	0.005892	3790.5601
60.5	\$4,333,160.75	\$26,736.37	0.006170	0.993830	0.990190	0.995083	0.004917	3791.5484
61.5	\$3,669,104.24	\$21,992.44	0.005994	0.994006	0.987698	0.993830	0.006170	3792.5386
62.5	\$3,171,509.53	\$23,843.17	0.007518	0.992482	0.988048	0.994006	0.005994	3793.5263
63.5	\$2,459,286.18	\$20,199.97	0.008214	0.991786	0.985021	0.992482	0.007518	3794.5143
64.5	\$2,009,418.45	\$16,127.74	0.008026	0.991974	0.983640	0.991786	0.008214	3795.4993
65.5	\$1,603,277.50	\$14,155.46	0.008829	0.991171	0.984012	0.991974	0.008026	3796.4830
66.5	\$1,251,140.35	\$9,946.67	0.007950	0.992050	0.982420	0.991171	0.008829	3797.4670
67.5	\$1,042,824.49	\$7,233.50	0.006936	0.993064	0.984163	0.992050	0.007950	3798.4494
68.5	\$833,538.06	\$6,083.58	0.007299	0.992701	0.986175	0.993064	0.006936	3799.4336
69.5	\$653,798.93	\$6,696.66	0.010243	0.989757	0.985456	0.992701	0.007299	3800.4198
70.5	\$556,103.62	\$5,888.62	0.010589	0.989411	0.979620	0.989757	0.010243	3801.4052
71.5	\$509,332.46	\$3,951.40	0.007758	0.992242	0.978934	0.989411	0.010589	3802.3848
72.5	\$446,989.19	\$4,569.57	0.010223	0.989777	0.984544	0.992242	0.007758	3803.3638
73.5	\$419,251.10	\$3,580.79	0.008541	0.991459	0.979659	0.989777	0.010223	3804.3483
74.5	\$369,641.35	\$6,244.93	0.016895	0.983105	0.982991	0.991459	0.008541	3805.3280
75.5	\$260,553.86	\$2,401.50	0.009217	0.990783	0.966496	0.983105	0.016895	3806.3110
76.5	\$219,231.25	\$2,845.20	0.012978	0.987022	0.981651	0.990783	0.009217	3807.2775
77.5	\$170,513.36	\$3,540.22	0.020762	0.979238	0.974212	0.987022	0.012978	3808.2591
78.5	\$132,947.68	\$2,888.28	0.021725	0.978275	0.958907	0.979238	0.020762	3809.2333
79.5	\$103,270.03	\$1,985.80	0.019229	0.980771	0.957022	0.978275	0.021725	3810.1922
80.5	\$85,985.32	\$914.80	0.010639	0.989361	0.961911	0.980771	0.019229	3811.1492
81.5	\$73,229.54	\$744.68	0.010169	0.989831	0.978835	0.989361	0.010639	3812.1112
82.5	\$68,478.20	\$1,270.81	0.018558	0.981442	0.979765	0.989831	0.010169	3813.0900
83.5	\$62,197.72	\$1,425.48	0.022919	0.977081	0.963229	0.981442	0.018558	3814.0698
84.5	\$54,700.88	\$309.59	0.005660	0.994340	0.954688	0.977081	0.022919	3815.0330
85.5	\$41,312.74	\$169.98	0.004114	0.995886	0.988713	0.994340	0.005660	3815.9877
86.5	\$36,274.73	\$204.36	0.005634	0.994366	0.991788	0.995886	0.004114	3816.9764
87.5	\$26,110.34	\$279.87	0.010719	0.989281	0.988764	0.994366	0.005634	3817.9682
88.5	\$17,965.61	\$76.69	0.004269	0.995731	0.978677	0.989281	0.010719	3818.9569
89.5	\$12,268.55	\$190.09	0.015494	0.984506	0.991481	0.995731	0.004269	3819.9356
90.5	\$8,994.60	\$5.08	0.000565	0.999435	0.969252	0.984506	0.015494	3820.9271
91.5	\$7,708.01	\$55.86	0.007247	0.992753	0.998871	0.999435	0.000565	3821.8964
92.5	\$6,341.13	\$0.00	0.000000	1.000000	0.985559	0.992753	0.007247	3822.8952
93.5	\$5,682.45	\$3.04	0.000535	0.999465	1.000000	1.000000	0.000000	3823.8808
94.5	\$1,076.30	\$98.31	0.091341	0.908659	0.998930	0.999465	0.000535	3824.8808
95.5	\$732.12	\$5.11	0.006980	0.993020	0.825662	0.908659	0.091341	3825.8797
96.5	\$305.43	\$17.27	0.056543	0.943457	0.986089	0.993020	0.006980	3826.7054
97.5	\$270.21	\$0.00	0.000000	1.000000	0.890111	0.943457	0.056543	3827.6915
98.5	\$124.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3828.5816
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3829.5816
100.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3830.5816
101.5					1.000000	1.000000	0.000000	3831.5816

Observed Life Report

Account: G381.00-Meters & Regulators
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative			
			Retired	Surviving	Retired	Surviving	Surviving	
0	\$100,983,225.16	\$7,743.00	0.000077	0.999923	0.999847	0.999923	0.000077	3832.5816:
0.5	\$99,937,806.39	\$86,801.74	0.000869	0.999131	0.999847	0.999923	0.000077	3833.5814:
1.5	\$97,768,296.00	\$119,001.71	0.001217	0.998783	0.998264	0.999131	0.000869	3834.5813:
2.5	\$94,113,731.59	\$135,782.66	0.001443	0.998557	0.997567	0.998783	0.001217	3835.5795:
3.5	\$91,909,108.12	\$99,067.39	0.001078	0.998922	0.997117	0.998557	0.001443	3836.5771:
4.5	\$89,248,131.80	\$106,574.18	0.001194	0.998806	0.997845	0.998922	0.001078	3837.5742:
5.5	\$87,740,300.36	\$120,182.98	0.001370	0.998630	0.997613	0.998806	0.001194	3838.5721:
6.5	\$86,013,334.98	\$165,914.22	0.001929	0.998071	0.997262	0.998630	0.001370	3839.5697:
7.5	\$81,768,601.56	\$195,068.78	0.002386	0.997614	0.996146	0.998071	0.001929	3840.5669:
8.5	\$78,484,716.98	\$750,491.13	0.009562	0.990438	0.995234	0.997614	0.002386	3841.5631:
9.5	\$74,035,261.41	\$854,896.06	0.011547	0.988453	0.980967	0.990438	0.009562	3842.5583:
10.5	\$68,957,402.03	\$713,034.06	0.010340	0.989660	0.977039	0.988453	0.011547	3843.5393:
11.5	\$65,349,139.09	\$476,451.87	0.007291	0.992709	0.979426	0.989660	0.010340	3844.5163:
12.5	\$62,772,975.16	\$490,629.81	0.007816	0.992184	0.985471	0.992709	0.007291	3845.4957:
13.5	\$59,698,052.22	\$467,087.98	0.007824	0.992176	0.984429	0.992184	0.007816	3846.4812:
14.5	\$57,444,514.60	\$525,386.68	0.009146	0.990854	0.984413	0.992176	0.007824	3847.4656:
15.5	\$55,013,622.40	\$446,623.33	0.008118	0.991882	0.981792	0.990854	0.009146	3848.4501:
16.5	\$52,713,678.35	\$714,678.79	0.013558	0.986442	0.983829	0.991882	0.008118	3849.4319:
17.5	\$50,274,725.37	\$361,848.15	0.007197	0.992803	0.973068	0.986442	0.013558	3850.4157:
18.5	\$48,671,730.66	\$442,577.80	0.009093	0.990907	0.985657	0.992803	0.007197	3851.3888:
19.5	\$46,866,912.64	\$626,049.73	0.013358	0.986642	0.981896	0.990907	0.009093	3852.3744:
20.5	\$45,085,384.04	\$665,976.85	0.014771	0.985229	0.973462	0.986642	0.013358	3853.3563:
21.5	\$43,001,711.58	\$762,536.51	0.017733	0.982267	0.970675	0.985229	0.014771	3854.3298:
22.5	\$40,788,323.85	\$590,796.00	0.014484	0.985516	0.964849	0.982267	0.017733	3855.3004:
23.5	\$38,885,124.26	\$594,384.16	0.015286	0.984714	0.971241	0.985516	0.014484	3856.2653:
24.5	\$37,128,817.93	\$1,862,055.04	0.050151	0.949849	0.969662	0.984714	0.015286	3857.2365:
25.5	\$33,457,740.50	\$2,998,029.16	0.089606	0.910394	0.902213	0.949849	0.050151	3858.2062:
26.5	\$29,277,983.99	\$1,720,809.46	0.058775	0.941225	0.828816	0.910394	0.089606	3859.1084:
27.5	\$25,947,943.28	\$1,387,469.79	0.053471	0.946529	0.885905	0.941225	0.058775	3859.9372:
28.5	\$23,331,806.47	\$607,085.75	0.026020	0.973980	0.895917	0.946529	0.053471	3860.8231:
29.5	\$21,762,421.31	\$662,654.69	0.030449	0.969551	0.948638	0.973980	0.026020	3861.7190:
30.5	\$19,488,102.68	\$735,956.00	0.037764	0.962236	0.940028	0.969551	0.030449	3862.6677:
31.5	\$18,316,290.52	\$561,329.28	0.030646	0.969354	0.925897	0.962236	0.037764	3863.6077:
32.5	\$17,271,337.05	\$476,014.42	0.027561	0.972439	0.939646	0.969354	0.030646	3864.5336:
33.5	\$16,825,132.22	\$586,570.03	0.034863	0.965137	0.945638	0.972439	0.027561	3865.4733:
34.5	\$15,723,958.64	\$346,218.73	0.022019	0.977981	0.931490	0.965137	0.034863	3866.4189:
35.5	\$14,961,195.57	\$411,692.40	0.027517	0.972483	0.956448	0.977981	0.022019	3867.3504:
36.5	\$12,873,682.55	\$395,952.49	0.030757	0.969243	0.945723	0.972483	0.027517	3868.3068:
37.5	\$11,584,761.44	\$500,904.04	0.043238	0.956762	0.939432	0.969243	0.030757	3869.2526:
38.5	\$11,082,743.72	\$668,359.70	0.060306	0.939694	0.915393	0.956762	0.043238	3870.1920:
39.5	\$10,058,741.77	\$379,310.14	0.037710	0.962290	0.883024	0.939694	0.060306	3871.1074:
40.5	\$9,629,414.66	\$340,094.15	0.035318	0.964682	0.926003	0.962290	0.037710	3871.9904:
41.5	\$8,427,151.60	\$223,708.38	0.026546	0.973454	0.930611	0.964682	0.035318	3872.9164:
42.5	\$8,238,836.30	\$150,021.54	0.018209	0.981791	0.947612	0.973454	0.026546	3873.8470:
43.5	\$8,153,445.32	\$134,695.07	0.016520	0.983480	0.963913	0.981791	0.018209	3874.7946:
44.5	\$7,839,108.25	\$151,491.90	0.019325	0.980675	0.967233	0.983480	0.016520	3875.7585:
45.5	\$7,515,141.91	\$178,688.30	0.023777	0.976223	0.961723	0.980675	0.019325	3876.7258:
46.5	\$7,342,851.61	\$195,787.08	0.026664	0.973336	0.953011	0.976223	0.023777	3877.6875:
47.5	\$7,148,458.53	\$244,043.57	0.034139	0.965861	0.947384	0.973336	0.026664	3878.6405:
48.5	\$6,711,745.68	\$254,746.21	0.037955	0.962045	0.932887	0.965861	0.034139	3879.5879:
49.5	\$6,320,077.32	\$240,550.86	0.038061	0.961939	0.925530	0.962045	0.037955	3880.5208:
50.5	\$5,807,968.07	\$215,850.90	0.037165	0.962835	0.925326	0.961939	0.038061	3881.4463:
51.5	\$5,352,397.34	\$195,333.35	0.036495	0.963505	0.927052	0.962835	0.037165	3882.3716:
52.5	\$4,960,084.84	\$169,086.14	0.034089	0.965911	0.928343	0.963505	0.036495	3883.2987:

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G381.00-Meters & Regulators
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
53.5	\$4,633,251.52	\$161,775.68	0.034916	0.965084	0.932983
54.5	\$4,322,505.30	\$184,767.60	0.042745	0.957255	0.931387
55.5	\$3,948,135.93	\$214,330.89	0.054287	0.945713	0.916336
56.5	\$3,347,892.22	\$200,138.65	0.059780	0.940220	0.894374
57.5	\$2,768,429.58	\$162,669.23	0.058759	0.941241	0.884013
58.5	\$2,479,923.69	\$142,897.32	0.057622	0.942378	0.885935
59.5	\$2,168,079.68	\$107,310.41	0.049496	0.950504	0.888077
60.5	\$1,920,641.12	\$84,849.26	0.044178	0.955822	0.903459
61.5	\$1,713,757.12	\$72,800.52	0.042480	0.957520	0.913597
62.5	\$1,532,849.84	\$52,369.31	0.034165	0.965835	0.916844
63.5	\$1,366,909.66	\$108,957.52	0.079711	0.920289	0.932838
64.5	\$1,160,479.35	\$49,707.23	0.042833	0.957167	0.846932
65.5	\$980,735.51	\$39,006.95	0.039773	0.960227	0.916168
66.5	\$876,462.91	\$30,963.21	0.035327	0.964673	0.922036
67.5	\$765,171.44	\$26,527.15	0.034668	0.965332	0.930593
68.5	\$677,596.98	\$31,379.00	0.046309	0.953691	0.931865
69.5	\$590,575.61	\$26,277.37	0.044495	0.955505	0.909526
70.5	\$538,036.34	\$25,350.99	0.047118	0.952882	0.912991
71.5	\$501,389.20	\$19,775.84	0.039442	0.960558	0.907985
72.5	\$464,920.95	\$16,875.70	0.036298	0.963702	0.922671
73.5	\$409,741.00	\$13,377.94	0.032650	0.967350	0.928722
74.5	\$390,995.59	\$10,577.71	0.027053	0.972947	0.935767
75.5	\$326,318.33	\$7,315.38	0.022418	0.977582	0.946625
76.5	\$298,652.63	\$8,846.76	0.029622	0.970378	0.955667
77.5	\$263,397.25	\$13,700.30	0.052014	0.947986	0.941633
78.5	\$249,511.43	\$18,722.23	0.075036	0.924964	0.898678
79.5	\$210,139.48	\$37,210.61	0.177076	0.822924	0.855559
80.5	\$150,913.48	\$88,480.67	0.586301	0.413699	0.677204
81.5	\$46,401.84	\$46,358.66	0.999069	0.000931	0.171147
82.5	\$43.18	\$22.63	0.524085	0.475915	0.000001
83.5	\$0.00	\$0.00	0.000000	1.000000	0.226495
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
100.5					1.000000

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G381.01-Meters-Regs-Modules

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$79,586,931.98	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3926.9651	
0.5	\$77,205,953.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	3927.9651	
1.5	\$74,350,354.97	\$195,743.79	0.002633	0.997367	1.000000	1.000000	0.000000	3928.9651	
2.5	\$69,431,102.82	\$54,641.99	0.000787	0.999213	0.994741	0.997367	0.002633	3929.9651	
3.5	\$65,042,814.23	\$69,213.35	0.001064	0.998936	0.998427	0.999213	0.000787	3930.9599	
4.5	\$60,765,469.58	\$3,562,055.35	0.058620	0.941380	0.997873	0.998936	0.001064	3931.9583	
5.5	\$42,476,993.54	\$1,599,129.33	0.037647	0.962353	0.886197	0.941380	0.058620	3932.9562	
6.5	\$8,132,366.87	\$25,935.12	0.003189	0.996811	0.926123	0.962353	0.037647	3933.8424	
7.5	\$126,854.39	\$0.00	0.000000	1.000000	0.993632	0.996811	0.003189	3934.7685	
8.5					1.000000	1.000000	0.000000	3935.7621	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G382.00-Meter & Reg Instllns
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$89,342,598.34	\$4,692.00	0.000053	0.999947	0.999895
0.5	\$87,331,200.04	\$108,285.35	0.001240	0.998760	0.999895
1.5	\$83,591,018.33	\$212,137.85	0.002538	0.997462	0.997522
2.5	\$80,373,740.09	\$232,167.79	0.002889	0.997111	0.994931
3.5	\$77,897,970.36	\$192,379.52	0.002470	0.997530	0.994231
4.5	\$74,509,326.48	\$135,708.57	0.001821	0.998179	0.995067
5.5	\$72,319,582.63	\$135,329.40	0.001871	0.998129	0.996361
6.5	\$70,030,832.02	\$168,087.53	0.002400	0.997600	0.996261
7.5	\$66,887,823.98	\$162,822.23	0.002434	0.997566	0.995205
8.5	\$64,426,209.22	\$736,212.34	0.011427	0.988573	0.995137
9.5	\$61,542,009.98	\$711,425.38	0.011560	0.988440	0.977276
10.5	\$58,707,993.12	\$554,831.61	0.009451	0.990549	0.977014
11.5	\$56,015,787.68	\$319,834.59	0.005710	0.994290	0.981188
12.5	\$53,460,696.94	\$306,072.87	0.005725	0.994275	0.988613
13.5	\$51,287,407.79	\$252,898.66	0.004931	0.995069	0.988582
14.5	\$49,204,513.07	\$316,630.70	0.006435	0.993565	0.990162
15.5	\$47,989,807.52	\$313,350.74	0.006626	0.993374	0.987171
16.5	\$45,589,941.07	\$350,985.77	0.007699	0.992301	0.986791
17.5	\$43,544,661.57	\$374,475.62	0.008600	0.991400	0.984662
18.5	\$41,462,246.43	\$480,492.35	0.011589	0.988411	0.982874
19.5	\$39,995,990.30	\$728,306.11	0.018209	0.981791	0.976957
20.5	\$37,989,807.52	\$762,708.51	0.020077	0.979923	0.963913
21.5	\$35,312,581.29	\$1,078,229.82	0.030534	0.969466	0.960250
22.5	\$32,328,080.68	\$812,666.19	0.025138	0.974862	0.939865
23.5	\$29,932,491.89	\$799,412.89	0.026707	0.973293	0.950356
24.5	\$27,275,694.24	\$2,152,066.51	0.078901	0.921099	0.947299
25.5	\$23,013,724.53	\$2,377,491.31	0.103308	0.896692	0.848424
26.5	\$19,017,188.87	\$1,128,494.09	0.059341	0.940659	0.804057
27.5	\$15,925,903.31	\$803,006.16	0.050421	0.949579	0.884840
28.5	\$13,433,812.27	\$443,615.77	0.033022	0.966978	0.901700
29.5	\$12,566,119.09	\$446,481.80	0.035531	0.964469	0.935046
30.5	\$10,372,259.62	\$502,111.58	0.048409	0.951591	0.930201
31.5	\$9,797,445.38	\$602,155.93	0.061461	0.938539	0.905525
32.5	\$9,151,905.29	\$1,319,495.57	0.144177	0.855823	0.880856
33.5	\$6,901,886.07	\$603,317.46	0.087413	0.912587	0.732433
34.5	\$5,816,424.76	\$180,361.32	0.031009	0.968991	0.832814
35.5	\$4,997,946.07	\$84,390.47	0.016885	0.983115	0.938944
36.5	\$4,177,991.52	\$45,608.63	0.010916	0.989084	0.966515
37.5	\$3,732,219.33	\$51,845.32	0.013891	0.986109	0.978286
38.5	\$3,595,474.27	\$47,044.69	0.013084	0.986916	0.972410
39.5	\$3,564,210.41	\$77,190.59	0.021657	0.978343	0.974002
40.5	\$3,502,539.90	\$89,431.54	0.025533	0.974467	0.957155
41.5	\$3,426,585.94	\$49,076.75	0.014322	0.985678	0.949585
42.5	\$3,398,029.52	\$165,797.32	0.048792	0.951208	0.971560
43.5	\$3,260,168.17	\$118,842.98	0.036453	0.963547	0.904796
44.5	\$3,168,527.19	\$175,632.70	0.055430	0.944570	0.928423
45.5	\$3,008,659.49	\$118,132.03	0.039264	0.960736	0.892212
46.5	\$2,913,068.46	\$229,495.80	0.078781	0.921219	0.923014
47.5	\$2,698,673.66	\$270,564.98	0.100259	0.899741	0.848644
48.5	\$2,452,198.68	\$122,181.02	0.049825	0.950175	0.809535
49.5	\$2,341,805.66	\$240,767.86	0.102813	0.897187	0.902832
50.5	\$2,103,345.80	\$116,492.26	0.055384	0.944616	0.804945
51.5	\$1,994,540.54	\$121,819.01	0.061076	0.938924	0.892299
52.5	\$1,880,060.53	\$80,246.31	0.042683	0.957317	0.881578

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G382.00-Meter & Reg Instllns
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
53.5	\$1,857,368.22	\$79,228.75	0.042656	0.957344	0.916456
54.5	\$1,778,139.47	\$90,644.93	0.050977	0.949023	0.916507
55.5	\$1,687,494.54	\$108,362.82	0.064215	0.935785	0.900644
56.5	\$1,579,131.72	\$104,081.67	0.065911	0.934089	0.875693
57.5	\$1,380,652.53	\$90,172.01	0.065311	0.934689	0.872523
58.5	\$1,219,343.79	\$76,001.73	0.062330	0.937670	0.873643
59.5	\$1,078,090.34	\$65,483.28	0.060740	0.939260	0.879225
60.5	\$925,249.36	\$88,485.05	0.095634	0.904366	0.882209
61.5	\$750,719.86	\$30,882.93	0.041138	0.958862	0.817878
62.5	\$651,566.08	\$44,997.02	0.069060	0.930940	0.919417
63.5	\$546,442.60	\$33,635.48	0.061554	0.938446	0.866650
64.5	\$512,807.12	\$44,997.46	0.087747	0.912253	0.880682
65.5	\$467,809.66	\$38,981.66	0.083328	0.916672	0.832205
66.5	\$428,828.00	\$17,675.04	0.041217	0.958783	0.840287
67.5	\$411,152.96	\$21,948.70	0.053383	0.946617	0.919265
68.5	\$389,204.26	\$52,293.64	0.134360	0.865640	0.896083
69.5	\$336,910.62	\$35,488.26	0.105334	0.894666	0.749332
70.5	\$301,422.36	\$46,718.07	0.154992	0.845008	0.800427
71.5	\$254,704.29	\$32,692.91	0.128356	0.871644	0.714038
72.5	\$222,011.38	\$33,905.13	0.152718	0.847282	0.759763
73.5	\$188,106.25	\$15,911.63	0.084589	0.915411	0.717887
74.5	\$172,194.62	\$9,023.12	0.052401	0.947599	0.837978
75.5	\$163,171.50	\$10,552.61	0.064672	0.935328	0.897944
76.5	\$152,618.89	\$13,704.64	0.089796	0.910204	0.874839
77.5	\$138,914.25	\$73,979.54	0.532555	0.467445	0.828470
78.5	\$64,934.71	\$21,487.51	0.330909	0.669091	0.218504
79.5	\$43,447.20	\$31,620.48	0.727791	0.272209	0.447682
80.5	\$11,826.72	\$11,826.72	1.000000	0.000000	0.074098
81.5	\$0.00	\$0.00	0.000000	1.000000	0.000000
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
96.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
97.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
98.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
99.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
100.5					1.000000

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G382.01-Mtr-Reg-Mod Install
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$26,282,512.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4028.4726	
0.5	\$26,272,760.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4029.4726	
1.5	\$25,247,358.87	\$256.67	0.000010	0.999990	1.000000	1.000000	0.000000	4030.4726	
2.5	\$25,153,234.47	\$104.71	0.000004	0.999996	0.999980	0.999990	0.000010	4031.4726	
3.5	\$24,607,709.76	\$136.55	0.000006	0.999994	0.999992	0.999996	0.000004	4032.4725	
4.5	\$24,216,688.88	\$118.82	0.000005	0.999995	0.999989	0.999994	0.000006	4033.4725	
5.5	\$18,900,227.76	\$458.72	0.000024	0.999976	0.999990	0.999995	0.000005	4034.4725	
6.5	\$7,275,865.38	\$0.00	0.000000	1.000000	0.999951	0.999976	0.000024	4035.4725	
7.5	\$70,174.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4036.4725	
8.5	(\$7.02)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4037.4725	
9.5	(\$7.02)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4038.4725	
10.5	(\$7.02)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4039.4725	
11.5	(\$7.02)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4040.4725	
12.5	(\$7.02)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4041.4725	
13.5	(\$7.02)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4042.4725	
14.5	(\$7.02)	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4043.4725	
15.5					1.000000	1.000000	0.000000	4044.4725	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G385.00-Ind Meas & Reg St Eq
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$1,137,861.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4045.4725:
0.5	\$1,137,861.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4046.4725:
1.5	\$1,101,851.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4047.4725:
2.5	\$1,081,126.92	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4048.4725:
3.5	\$1,081,126.92	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4049.4725:
4.5	\$1,081,126.92	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4050.4725:
5.5	\$1,081,126.92	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4051.4725:
6.5	\$1,081,126.92	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4052.4725:
7.5	\$1,081,126.92	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4053.4725:
8.5	\$1,493,550.18	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4054.4725:
9.5	\$1,493,550.18	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4055.4725:
10.5	\$1,493,550.18	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4056.4725:
11.5	\$1,493,550.18	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4057.4725:
12.5	\$1,434,342.67	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4058.4725:
13.5	\$1,077,215.83	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4059.4725:
14.5	\$1,077,215.83	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4060.4725:
15.5	\$417,411.82	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4061.4725:
16.5	\$417,411.82	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4062.4725:
17.5	\$417,411.82	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4063.4725:
18.5	\$422,547.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4064.4725:
19.5	\$422,547.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4065.4725:
20.5	\$422,547.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4066.4725:
21.5	\$422,547.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4067.4725:
22.5	\$422,547.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4068.4725:
23.5	\$422,547.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4069.4725:
24.5	\$422,547.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4070.4725:
25.5	\$422,547.61	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4071.4725:
26.5	\$10,124.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4072.4725:
27.5	\$10,124.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4073.4725:
28.5	\$10,124.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4074.4725:
29.5	\$10,124.35	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4075.4725:
30.5	\$23,260.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4076.4725:
31.5	\$18,271.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4077.4725:
32.5	\$18,271.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4078.4725:
33.5	\$18,271.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4079.4725:
34.5	\$18,271.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4080.4725:
35.5	\$18,271.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4081.4725:
36.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4082.4725:
37.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4083.4725:
38.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4084.4725:
39.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4085.4725:
40.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4086.4725:
41.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4087.4725:
42.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4088.4725:
43.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4089.4725:
44.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4090.4725:
45.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4091.4725:
46.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4092.4725:
47.5	\$13,136.17	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4093.4725:
48.5					1.000000	1.000000	0.000000	4094.4725:

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G387.11-Other Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$1,966,953.55	\$0.00	0.000000	1.000000	1.000000
0.5	\$1,527,974.95	\$0.00	0.000000	1.000000	1.000000
1.5	\$1,105,176.96	\$0.00	0.000000	1.000000	1.000000
2.5	\$1,345,562.96	\$485.00	0.000360	0.999640	1.000000
3.5	\$1,345,883.37	\$0.00	0.000000	1.000000	0.999279
4.5	\$1,348,654.37	\$71,810.00	0.053246	0.946754	1.000000
5.5	\$1,276,648.37	\$108,665.00	0.085117	0.914883	0.896344
6.5	\$1,170,242.37	\$116,500.00	0.099552	0.900448	0.837010
7.5	\$991,154.77	\$3,676.00	0.003709	0.996291	0.810807
8.5	\$322,251.00	\$0.00	0.000000	1.000000	0.992596
9.5	\$225,885.02	\$0.00	0.000000	1.000000	1.000000
10.5	\$226,775.02	\$344.00	0.001517	0.998483	1.000000
11.5	\$226,970.02	\$0.00	0.000000	1.000000	0.996968
12.5	\$180,107.84	\$0.00	0.000000	1.000000	1.000000
13.5	\$181,446.84	\$0.00	0.000000	1.000000	1.000000
14.5	\$182,765.84	\$213.00	0.001165	0.998835	1.000000
15.5	\$133,983.62	\$0.00	0.000000	1.000000	0.997671
16.5	\$135,666.62	\$0.00	0.000000	1.000000	1.000000
17.5	\$136,358.62	\$0.00	0.000000	1.000000	1.000000
18.5	\$136,921.62	\$81.00	0.000592	0.999408	1.000000
19.5	\$137,459.62	\$0.00	0.000000	1.000000	0.998817
20.5	\$137,459.62	\$0.00	0.000000	1.000000	1.000000
21.5	\$138,844.62	\$175.00	0.001260	0.998740	1.000000
22.5	\$139,502.62	\$8,859.00	0.063504	0.936496	0.997481
23.5	\$130,643.62	\$3,779.00	0.028926	0.971074	0.877024
24.5	\$126,864.62	\$8,155.00	0.064281	0.935719	0.942985
25.5	\$116,086.22	\$9,859.00	0.084928	0.915072	0.875570
26.5	\$106,227.22	\$5,536.00	0.052115	0.947885	0.837356
27.5	\$100,919.22	\$3,061.00	0.030331	0.969669	0.898487
28.5	\$96,695.29	\$6,745.00	0.069755	0.930245	0.940258
29.5	\$90,169.29	\$5,354.00	0.059377	0.940623	0.865355
30.5	\$81,930.73	\$413.00	0.005041	0.994959	0.884771
31.5	\$66,877.60	\$1,519.00	0.022713	0.977287	0.989944
32.5	\$65,437.55	\$1,122.00	0.017146	0.982854	0.955090
33.5	\$61,427.67	\$2,259.00	0.036775	0.963225	0.966002
34.5	\$44,418.47	\$1,166.00	0.026250	0.973750	0.927802
35.5	\$39,226.77	\$0.00	0.000000	1.000000	0.948188
36.5	\$39,091.60	\$1,223.00	0.031285	0.968715	1.000000
37.5	\$38,283.60	\$890.00	0.023248	0.976752	0.938408
38.5	\$38,117.60	\$669.00	0.017551	0.982449	0.954045
39.5	\$38,168.60	\$0.00	0.000000	1.000000	0.965206
40.5	\$38,688.44	\$1,339.00	0.034610	0.965390	1.000000
41.5	\$17,789.50	\$1,172.00	0.065882	0.934118	0.931978
42.5	\$18,023.50	\$1,740.00	0.096541	0.903459	0.872577
43.5	\$16,421.50	\$1,683.00	0.102488	0.897512	0.816239
44.5	\$15,395.50	\$692.00	0.044948	0.955052	0.805529
45.5	\$13,757.30	\$563.00	0.040924	0.959076	0.912124
46.5	\$13,801.30	\$619.00	0.044851	0.955149	0.919827
47.5	\$13,683.30	\$63.00	0.004604	0.995396	0.912310
48.5	\$13,620.30	\$1,385.00	0.101686	0.898314	0.990813
49.5	\$12,235.30	\$971.00	0.079361	0.920639	0.806967
50.5	\$10,871.89	\$299.00	0.027502	0.972498	0.847577
51.5	\$10,572.89	\$1,024.00	0.096851	0.903149	0.945752
52.5	\$9,548.89	\$438.00	0.045869	0.954131	0.815677

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G387.11-Other Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
53.5	\$9,110.89	\$306.00	0.033586	0.966414	0.910366
54.5	\$8,804.89	\$601.00	0.068258	0.931742	0.933956
55.5	\$8,203.89	\$119.00	0.014505	0.985495	0.868144
56.5	\$7,571.00	\$219.00	0.028926	0.971074	0.971200
57.5	\$7,352.00	\$0.00	0.000000	1.000000	0.942984
58.5	\$7,352.00	\$0.00	0.000000	1.000000	0.971074
59.5	\$7,352.00	\$0.00	0.000000	1.000000	0.028926
60.5	\$7,352.00	\$2,604.00	0.354189	0.645811	4150.0270
61.5	\$4,748.00	\$0.00	0.000000	1.000000	1.000000
62.5	\$4,748.00	\$0.00	0.000000	1.000000	0.417071
63.5	\$4,748.00	\$0.00	0.000000	1.000000	0.645811
64.5	\$4,748.00	\$415.00	0.087405	0.912595	0.354189
65.5	\$4,333.00	\$724.00	0.167090	0.832910	4153.9700
66.5	\$3,609.00	\$720.00	0.199501	0.800499	0.417071
67.5	\$2,889.00	\$872.00	0.301835	0.698165	0.645811
68.5	\$2,017.00	\$812.00	0.402578	0.597422	0.832910
69.5	\$1,205.00	\$1,205.00	1.000000	0.000000	0.971074
70.5	\$0.00	\$0.00	0.000000	1.000000	0.985495
71.5	\$0.00	\$0.00	0.000000	1.000000	0.971200
72.5	\$0.00	\$0.00	0.000000	1.000000	0.942984
73.5	\$0.00	\$0.00	0.000000	1.000000	0.971074
74.5	\$0.00	\$0.00	0.000000	1.000000	0.028926
75.5	\$0.00	\$0.00	0.000000	1.000000	4150.0270
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000
95.5	\$0.00	\$0.00	0.000000	1.000000	1.000000

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G387.12-Other EQ -CNG Deprec
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$583,150.10	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4185.3987!	
0.5	\$1,167,883.22	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4186.3987!	
1.5	\$2,029,585.45	\$15,840.08	0.007805	0.992195	1.000000	1.000000	0.000000	4187.3987!	
2.5	\$2,271,627.68	\$0.00	0.000000	1.000000	0.984452	0.992195	0.007805	4188.3987!	
3.5	\$2,276,663.89	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4189.3832!	
4.5	\$3,123,933.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4190.3832!	
5.5	\$3,458,408.54	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4191.3832!	
6.5	\$3,951,242.31	\$237,242.32	0.060042	0.939958	1.000000	1.000000	0.000000	4192.3832!	
7.5	\$3,861,504.87	\$0.00	0.000000	1.000000	0.883520	0.939958	0.060042	4193.3832!	
8.5	\$3,871,121.19	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4194.2667!	
9.5	\$3,871,121.19	\$248,631.16	0.064227	0.935773	1.000000	1.000000	0.000000	4195.2667!	
10.5	\$2,972,389.50	\$234,040.77	0.078738	0.921262	0.875671	0.935773	0.064227	4196.2667!	
11.5	\$3,388,449.26	\$0.00	0.000000	1.000000	0.848723	0.921262	0.078738	4197.1424!	
12.5	\$3,388,449.26	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4197.9911!	
13.5	\$3,388,449.26	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4198.9911!	
14.5	\$2,738,348.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4199.9911!	
15.5	\$2,738,348.73	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4200.9911!	
16.5	\$2,661,989.80	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4201.9911!	
17.5	\$2,661,989.80	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4202.9911!	
18.5	\$2,661,989.80	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4203.9911!	
19.5	\$1,791,054.90	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4204.9911!	
20.5	\$1,533,766.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4205.9911!	
21.5	\$1,528,729.80	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4206.9911!	
22.5	\$681,460.69	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4207.9911!	
23.5	\$401,323.81	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4208.9911!	
24.5	\$157,121.20	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4209.9911!	
25.5	\$9,616.32	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4210.9911!	
26.5					1.000000	1.000000	0.000000	4211.9911!	

San Diego Gas & Electric Company
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Observed Life Report

Account: G392.20-Transprt Eq-Trailer
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$2.10	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4212.9911!	
0.5	\$1.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4213.9911!	
1.5	\$44,626.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4214.9911!	
2.5	\$74,500.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4215.9911!	
3.5	\$74,500.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4216.9911!	
4.5	\$74,500.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4217.9911!	
5.5	\$74,500.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4218.9911!	
6.5	\$74,500.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4219.9911!	
7.5	\$74,500.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4220.9911!	
8.5	\$74,500.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4221.9911!	
9.5	\$80,019.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4222.9911!	
10.5	\$80,019.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4223.9911!	
11.5	\$85,813.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4224.9911!	
12.5	\$85,813.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4225.9911!	
13.5	\$85,813.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4226.9911!	
14.5	\$85,813.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4227.9911!	
15.5	\$85,813.55	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4228.9911!	
16.5	\$166,516.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4229.9911!	
17.5	\$166,516.95	\$5,519.00	0.033144	0.966856	1.000000	1.000000	0.000000	4230.9911!	
18.5	\$160,997.95	\$8,627.00	0.053585	0.946415	0.934811	0.966856	0.033144	4231.9911!	
19.5	\$107,743.85	\$13,540.00	0.125668	0.874332	0.895702	0.946415	0.053585	4232.9259!	
20.5	\$64,330.40	\$1,709.00	0.026566	0.973434	0.764456	0.874332	0.125668	4233.8216!	
21.5	\$62,621.40	\$0.00	0.000000	1.000000	0.947574	0.973434	0.026566	4234.5861!	
22.5	\$62,621.40	\$58,973.00	0.941739	0.058261	1.000000	1.000000	0.000000	4235.5336!	
23.5	\$3,648.40	\$1,939.00	0.531466	0.468534	0.003394	0.058261	0.941739	4236.5336!	
24.5	\$1,709.40	\$0.00	0.000000	1.000000	0.219524	0.468534	0.531466	4236.5370!	
25.5	\$1,709.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4236.7566	
26.5	\$1,709.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4237.7566	
27.5	\$1,709.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4238.7566	
28.5	\$1,709.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4239.7566	
29.5	\$1,709.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4240.7566	
30.5	\$1,709.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4241.7566	
31.5	\$1,709.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4242.7566	
32.5	\$1,709.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4243.7566	
33.5	\$1,709.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4244.7566	
34.5	\$1,709.40	\$1,709.40	1.000000	0.000000	1.000000	1.000000	0.000000	4245.7566	
35.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4246.7566	
36.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4246.7566	
37.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4247.7566	
38.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4248.7566	
39.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4249.7566	
40.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4250.7566	
41.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4251.7566	
42.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4252.7566	
43.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4253.7566	
44.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4254.7566	
45.5					1.000000	1.000000	0.000000	4255.7566	

San Diego Gas & Electric Company
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Observed Life Report

Account: G394.10-Portable Tools
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$12,958,783.89	\$791.00	0.000061	0.999939	0.999878
0.5	\$11,097,943.76	\$7,583.00	0.000683	0.999317	0.999878
1.5	\$10,217,262.75	\$108,196.00	0.010590	0.989410	0.998634
2.5	\$9,960,568.84	\$48,516.56	0.004871	0.995129	0.978933
3.5	\$9,391,814.33	\$51,077.61	0.005439	0.994561	0.990282
4.5	\$8,815,190.77	\$131,882.38	0.014961	0.985039	0.989153
5.5	\$8,295,336.48	\$34,110.64	0.004112	0.995888	0.970302
6.5	\$8,073,899.14	\$68,907.19	0.008535	0.991465	0.991793
7.5	\$7,661,908.38	\$17,580.00	0.002294	0.997706	0.983004
8.5	\$7,493,584.80	\$8,859.00	0.001182	0.998818	0.995416
9.5	\$7,232,003.94	\$10,538.00	0.001457	0.998543	0.997637
10.5	\$6,734,244.54	\$11,164.00	0.001658	0.998342	0.997088
11.5	\$6,561,428.72	\$8,375.00	0.001276	0.998724	0.996687
12.5	\$6,281,646.48	\$16,955.00	0.002699	0.997301	0.997449
13.5	\$5,814,484.35	\$21,586.87	0.003713	0.996287	0.994609
14.5	\$5,264,018.48	\$37,686.00	0.007159	0.992841	0.992589
15.5	\$4,891,837.46	\$27,551.00	0.005632	0.994368	0.985733
16.5	\$4,505,034.61	\$32,959.00	0.007316	0.992684	0.988768
17.5	\$4,191,802.84	\$17,319.00	0.004132	0.995868	0.985421
18.5	\$3,904,148.91	\$13,260.00	0.003396	0.996604	0.991754
19.5	\$3,607,378.34	\$10,543.00	0.002923	0.997077	0.993219
20.5	\$3,318,290.06	\$8,421.00	0.002538	0.997462	0.994163
21.5	\$2,625,792.65	\$31,168.00	0.011870	0.988130	0.994931
22.5	\$2,434,647.84	\$1,164,297.91	0.478220	0.521780	0.976401
23.5	\$947,371.43	\$560,766.37	0.591918	0.408082	0.272254
24.5	\$386,807.06	\$65,666.83	0.169766	0.830234	0.166531
25.5	\$321,345.23	\$18,962.41	0.059009	0.940991	0.689288
26.5	\$303,082.82	\$55,208.95	0.182158	0.817842	0.885463
27.5	\$247,873.87	\$50,428.38	0.203444	0.796556	0.668866
28.5	\$202,070.49	\$30,992.03	0.153372	0.846628	0.634502
29.5	\$171,176.46	\$35,537.89	0.207610	0.792390	0.716778
30.5	\$136,975.57	\$15,972.09	0.116605	0.883395	0.627882
31.5	\$121,773.48	\$4,693.26	0.038541	0.961459	0.780386
32.5	\$117,941.22	\$10,391.98	0.088112	0.911888	0.924404
33.5	\$108,521.24	\$7,329.13	0.067536	0.932464	0.831541
34.5	\$103,536.11	\$10,619.94	0.102572	0.897428	0.869488
35.5	\$93,600.17	\$11,730.64	0.125327	0.874673	0.805376
36.5	\$82,046.53	\$8,214.46	0.100120	0.899880	0.765053
37.5	\$74,252.07	\$11,128.87	0.149880	0.850120	0.809785
38.5	\$63,297.20	\$12,152.40	0.191990	0.808010	0.722705
39.5	\$51,144.80	\$14,532.32	0.284141	0.715859	0.652881
40.5	\$36,612.48	\$5,775.00	0.157733	0.842267	0.512455
41.5	\$30,837.48	\$2,789.56	0.090460	0.909540	0.709414
42.5	\$28,047.92	\$2,003.00	0.071413	0.928587	0.827263
43.5	\$26,044.92	\$4,229.48	0.162392	0.837608	0.862273
44.5	\$21,815.44	\$4,597.13	0.210728	0.789272	0.701588
45.5	\$17,218.31	\$5,391.78	0.313142	0.686858	0.622950
46.5	\$11,826.53	\$1,635.87	0.138322	0.861678	0.471774
47.5	\$10,190.66	\$1,181.66	0.115955	0.884045	0.742489
48.5	\$9,009.00	\$695.00	0.077145	0.922855	0.781535
49.5	\$8,314.00	\$2,383.00	0.286625	0.713375	0.851661
50.5	\$5,931.00	\$1,063.00	0.179228	0.820772	0.508904
51.5	\$4,868.00	\$1,183.00	0.243016	0.756984	0.673667
52.5	\$3,685.00	\$1,606.00	0.435821	0.564179	0.573025

San Diego Gas & Electric Company
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Observed Life Report

Account: G394.10-Portable Tools
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
53.5	\$2,079.00	\$0.00	0.000000	1.000000	0.318298	0.564179	0.435821	4301.2025
54.5	\$2,079.00	\$861.00	0.414141	0.585859	1.000000	1.000000	0.000000	4301.5208
55.5	\$1,218.00	\$330.00	0.270936	0.729064	0.343230	0.585859	0.414141	4302.5208
56.5	\$888.00	\$574.00	0.646396	0.353604	0.531534	0.729064	0.270936	4302.8640
57.5	\$314.00	\$314.00	1.000000	0.000000	0.125036	0.353604	0.646396	4303.3955
58.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4303.5206
59.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4303.5206
60.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4304.5206
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4305.5206
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4306.5206
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4307.5206
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4308.5206
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4309.5206
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4310.5206
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4311.5206
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4312.5206
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4313.5206
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4314.5206
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4315.5206
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4316.5206
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4317.5206
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4318.5206
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4319.5206
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4320.5206
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4321.5206
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4322.5206
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4323.5206
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4324.5206
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4325.5206
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4326.5206
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4327.5206
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4328.5206
85.5					1.000000	1.000000	0.000000	4329.5206

San Diego Gas & Electric Company
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Observed Life Report

Account: G394.20-Shop Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion		Surviving	Surviving
			Retired	Surviving	Surviving	Surviving		
0	\$120,606.66	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4330.5206
0.5	\$130,516.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4331.5206
1.5	\$135,559.53	\$2,926.00	0.021585	0.978415	1.000000	1.000000	0.000000	4332.5206
2.5	\$135,773.53	\$0.00	0.000000	1.000000	0.957297	0.978415	0.021585	4333.5206
3.5	\$135,773.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4334.4779
4.5	\$140,499.89	\$6,097.00	0.043395	0.956605	1.000000	1.000000	0.000000	4335.4779
5.5	\$138,906.89	\$0.00	0.000000	1.000000	0.915093	0.956605	0.043395	4336.4779
6.5	\$142,361.08	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4337.3930
7.5	\$153,683.08	\$4,511.00	0.029353	0.970647	1.000000	1.000000	0.000000	4338.3930
8.5	\$151,642.67	\$4,817.93	0.031772	0.968228	0.942156	0.970647	0.029353	4339.3930
9.5	\$147,132.74	\$16,869.00	0.114652	0.885348	0.937466	0.968228	0.031772	4340.3351
10.5	\$130,263.74	\$12,504.00	0.095990	0.904010	0.783842	0.885348	0.114652	4341.2726
11.5	\$117,852.74	\$1,985.00	0.016843	0.983157	0.817234	0.904010	0.095990	4342.0564
12.5	\$116,921.74	\$3,140.00	0.026856	0.973144	0.966598	0.983157	0.016843	4342.8737
13.5	\$114,132.74	\$4,534.00	0.039726	0.960274	0.947010	0.973144	0.026856	4343.8403
14.5	\$109,598.74	\$6,358.52	0.058016	0.941984	0.922127	0.960274	0.039726	4344.7873
15.5	\$104,932.22	\$514.00	0.004898	0.995102	0.887333	0.941984	0.058016	4345.7094
16.5	\$84,290.97	\$5,815.00	0.068987	0.931013	0.990227	0.995102	0.004898	4346.5967
17.5	\$81,566.97	\$9,567.36	0.117295	0.882705	0.866785	0.931013	0.068987	4347.5869
18.5	\$53,106.38	\$788.00	0.014838	0.985162	0.779169	0.882705	0.117295	4348.4537
19.5	\$116,300.78	\$13,493.64	0.116024	0.883976	0.970544	0.985162	0.014838	4349.2329
20.5	\$104,120.47	\$0.00	0.000000	1.000000	0.781414	0.883976	0.116024	4350.2034
21.5	\$104,243.47	\$2,593.59	0.024880	0.975120	1.000000	1.000000	0.000000	4350.9849
22.5	\$101,649.88	\$8,787.02	0.086444	0.913556	0.950859	0.975120	0.024880	4351.9849
23.5	\$71,494.92	\$3,375.55	0.047214	0.952786	0.834585	0.913556	0.086444	4352.9357
24.5	\$69,332.37	\$1,213.00	0.017495	0.982505	0.907801	0.952786	0.047214	4353.7703
25.5	\$70,010.37	\$2,446.00	0.034938	0.965062	0.965315	0.982505	0.017495	4354.6781
26.5	\$70,885.37	\$4,241.00	0.059829	0.940171	0.931345	0.965062	0.034938	4355.6434
27.5	\$68,447.37	\$2,815.00	0.041126	0.958874	0.883922	0.940171	0.059829	4356.5748
28.5	\$68,349.37	\$4,088.00	0.059810	0.940190	0.919438	0.958874	0.041126	4357.4587
29.5	\$64,261.37	\$59,485.00	0.925673	0.074327	0.883957	0.940190	0.059810	4358.3781
30.5	\$4,776.37	\$2,376.00	0.497449	0.502551	0.005525	0.074327	0.925673	4359.2621
31.5	\$3,059.37	\$305.37	0.099815	0.900185	0.252558	0.502551	0.497449	4359.2676
32.5	\$3,516.00	\$485.00	0.137941	0.862059	0.810334	0.900185	0.099815	4359.5202
33.5	\$4,815.00	\$245.00	0.050883	0.949117	0.743146	0.862059	0.137941	4360.3305
34.5	\$5,068.00	\$0.00	0.000000	1.000000	0.900824	0.949117	0.050883	4361.0736
35.5	\$5,801.00	\$1,062.00	0.183072	0.816928	1.000000	1.000000	0.000000	4361.9745
36.5	\$4,739.00	\$1,141.00	0.240768	0.759232	0.667372	0.816928	0.183072	4362.9745
37.5	\$4,859.00	\$505.00	0.103931	0.896069	0.576433	0.759232	0.240768	4363.6418
38.5	\$5,642.00	\$192.00	0.034030	0.965970	0.802940	0.896069	0.103931	4364.2183
39.5	\$5,450.00	\$0.00	0.000000	1.000000	0.933097	0.965970	0.034030	4365.0212
40.5	\$6,353.00	\$109.00	0.017157	0.982843	1.000000	1.000000	0.000000	4365.9543
41.5	\$6,358.00	\$773.00	0.121579	0.878421	0.965980	0.982843	0.017157	4366.9543
42.5	\$5,585.00	\$277.00	0.049597	0.950403	0.771623	0.878421	0.121579	4367.9203
43.5	\$5,362.00	\$1,593.00	0.297091	0.702909	0.903266	0.950403	0.049597	4368.6919
44.5	\$3,769.00	\$792.00	0.210135	0.789865	0.494082	0.702909	0.297091	4369.5952
45.5	\$2,977.00	\$0.00	0.000000	1.000000	0.623886	0.789865	0.210135	4370.0893
46.5	\$3,193.00	\$216.00	0.067648	0.932352	1.000000	1.000000	0.000000	4370.7131
47.5	\$3,114.00	\$1,224.00	0.393064	0.606936	0.869280	0.932352	0.067648	4371.7131
48.5	\$2,468.00	\$1,241.00	0.502836	0.497164	0.368372	0.606936	0.393064	4372.5824
49.5	\$1,343.00	\$116.00	0.086374	0.913626	0.247172	0.497164	0.502836	4372.9508
50.5	\$3,379.00	\$1,415.00	0.418763	0.581237	0.834713	0.913626	0.086374	4373.1980
51.5	\$2,533.00	\$0.00	0.000000	1.000000	0.337837	0.581237	0.418763	4374.0327
52.5	\$2,533.00	\$433.00	0.170944	0.829056	1.000000	1.000000	0.000000	4374.3705

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Observed Life Report

Account: G394.20-Shop Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative			
			Retired	Surviving	Proportion	Surviving	Surviving	
53.5	\$2,694.00	\$287.00	0.106533	0.893467	0.687335	0.829056	0.170944	4375.3705
54.5	\$2,468.00	\$61.00	0.024716	0.975284	0.798283	0.893467	0.106533	4376.0579
55.5	\$3,681.00	\$0.00	0.000000	1.000000	0.951178	0.975284	0.024716	4376.8561
56.5	\$4,223.00	\$243.00	0.057542	0.942458	1.000000	1.000000	0.000000	4377.8073
57.5	\$4,071.00	\$91.00	0.022353	0.977647	0.888227	0.942458	0.057542	4378.8073
58.5	\$5,021.00	\$771.00	0.153555	0.846445	0.955793	0.977647	0.022353	4379.6955
59.5	\$4,332.00	\$1,613.00	0.372345	0.627655	0.716469	0.846445	0.153555	4380.6513
60.5	\$2,719.00	\$569.00	0.209268	0.790732	0.393950	0.627655	0.372345	4381.3678
61.5	\$2,150.00	\$0.00	0.000000	1.000000	0.625257	0.790732	0.209268	4381.7618
62.5	\$2,150.00	\$307.00	0.142791	0.857209	1.000000	1.000000	0.000000	4382.3870
63.5	\$2,060.00	\$217.00	0.105340	0.894660	0.734808	0.857209	0.142791	4383.3870
64.5	\$2,247.00	\$1,274.00	0.566978	0.433022	0.800417	0.894660	0.105340	4384.1218
65.5	\$973.00	\$299.00	0.307297	0.692703	0.187508	0.433022	0.566978	4384.9222
66.5	\$674.00	\$0.00	0.000000	1.000000	0.479837	0.692703	0.307297	4385.1097
67.5	\$674.00	\$270.00	0.400593	0.599407	1.000000	1.000000	0.000000	4385.5896
68.5	\$404.00	\$0.00	0.000000	1.000000	0.359288	0.599407	0.400593	4386.5896
69.5	\$404.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4386.9489
70.5	\$404.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4387.9489
71.5	\$404.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4388.9489
72.5	\$404.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4389.9489
73.5	\$404.00	\$404.00	1.000000	0.000000	1.000000	1.000000	0.000000	4390.9489
74.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4391.9489
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4391.9489
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4392.9489
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4393.9489
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4394.9489
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4395.9489
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4396.9489
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4397.9489
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4398.9489
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4399.9489
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4400.9489
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4401.9489
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4402.9489
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4403.9489
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4404.9489
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4405.9489
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4406.9489
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4407.9489
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4408.9489
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4409.9489
94.5					1.000000	1.000000	0.000000	4410.9489

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Observed Life Report

Account: G395.00-Laboratory Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion		Surviving	
			Retired	Surviving	Surviving			
0	\$882,669.77	\$27,438.00	0.031085	0.968915	0.938796	0.968915	0.031085	4411.9489:
0.5	\$878,133.76	\$1,337.00	0.001523	0.998477	0.938796	0.968915	0.031085	4412.8877
1.5	\$876,625.76	\$0.00	0.000000	1.000000	0.996957	0.998477	0.001523	4413.8265
2.5	\$876,667.76	\$42.00	0.000048	0.999952	1.000000	1.000000	0.000000	4414.8234:
3.5	\$885,442.58	\$36,145.00	0.040821	0.959179	0.999904	0.999952	0.000048	4415.8234:
4.5	\$860,628.58	\$14,078.51	0.016358	0.983642	0.920024	0.959179	0.040821	4416.8233:
5.5	\$838,254.07	\$0.00	0.000000	1.000000	0.967551	0.983642	0.016358	4417.7433:
6.5	\$848,237.07	\$73,397.29	0.086529	0.913471	1.000000	1.000000	0.000000	4418.7109:
7.5	\$778,805.24	\$11,505.00	0.014773	0.985227	0.834429	0.913471	0.086529	4419.7109:
8.5	\$767,300.24	\$89,053.00	0.116060	0.883940	0.970673	0.985227	0.014773	4420.5453:
9.5	\$679,471.06	\$0.00	0.000000	1.000000	0.781350	0.883940	0.116060	4421.5160:
10.5	\$683,695.82	\$11,272.25	0.016487	0.983513	1.000000	1.000000	0.000000	4422.2973:
11.5	\$678,581.28	\$0.00	0.000000	1.000000	0.967297	0.983513	0.016487	4423.2973:
12.5	\$678,581.28	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4424.2646:
13.5	\$695,103.96	\$152,371.25	0.219206	0.780794	1.000000	1.000000	0.000000	4425.2646:
14.5	\$549,568.71	\$118,070.43	0.214842	0.785158	0.609639	0.780794	0.219206	4426.2646:
15.5	\$457,535.88	\$85,116.51	0.186032	0.813968	0.616473	0.785158	0.214842	4426.8743:
16.5	\$377,646.69	\$11,385.00	0.030147	0.969853	0.662543	0.813968	0.186032	4427.4908:
17.5	\$370,262.88	\$13,675.86	0.036936	0.963064	0.940614	0.969853	0.030147	4428.1533:
18.5	\$338,888.21	\$0.00	0.000000	1.000000	0.927493	0.963064	0.036936	4429.0939:
19.5	\$177,440.56	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4430.0214:
20.5	\$178,890.56	\$8,316.28	0.046488	0.953512	1.000000	1.000000	0.000000	4431.0214:
21.5	\$171,201.02	\$0.00	0.000000	1.000000	0.909185	0.953512	0.046488	4432.0214:
22.5	\$171,201.02	\$3,231.44	0.018875	0.981125	1.000000	1.000000	0.000000	4432.9306:
23.5	\$167,969.58	\$4,224.76	0.025152	0.974848	0.962606	0.981125	0.018875	4433.9306:
24.5	\$163,744.82	\$8,332.09	0.050885	0.949115	0.950329	0.974848	0.025152	4434.8932:
25.5	\$157,190.73	\$30,408.68	0.193451	0.806549	0.900820	0.949115	0.050885	4435.8435:
26.5	\$126,782.05	\$768.00	0.006058	0.993942	0.650522	0.806549	0.193451	4436.7443:
27.5	\$126,686.05	\$10,621.60	0.083842	0.916158	0.987921	0.993942	0.006058	4437.3949:
28.5	\$118,269.45	\$6,056.32	0.051208	0.948792	0.839346	0.916158	0.083842	4438.3828:
29.5	\$113,035.64	\$105,729.19	0.935362	0.064638	0.900207	0.948792	0.051208	4439.2221:
30.5	\$7,645.45	\$1,450.00	0.189655	0.810345	0.004178	0.064638	0.935362	4440.1223:
31.5	\$6,195.45	\$948.20	0.153048	0.846952	0.656659	0.810345	0.189655	4440.1265:
32.5	\$5,448.25	\$201.00	0.036893	0.963107	0.717328	0.846952	0.153048	4440.7832:
33.5	\$5,440.25	\$506.74	0.093146	0.906854	0.927576	0.963107	0.036893	4441.5005:
34.5	\$4,933.51	\$0.00	0.000000	1.000000	0.822383	0.906854	0.093146	4442.4281:
35.5	\$4,933.51	\$1,778.00	0.360392	0.639608	1.000000	1.000000	0.000000	4443.2505:
36.5	\$3,155.51	\$0.00	0.000000	1.000000	0.409098	0.639608	0.360392	4444.2505:
37.5	\$4,454.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4444.6596:
38.5	\$4,454.51	\$2,544.00	0.571107	0.428893	1.000000	1.000000	0.000000	4445.6596:
39.5	\$1,910.51	\$0.00	0.000000	1.000000	0.183950	0.428893	0.571107	4446.6596:
40.5	\$4,938.51	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4446.8435:
41.5	\$4,938.51	\$611.51	0.123825	0.876175	1.000000	1.000000	0.000000	4447.8435:
42.5	\$4,327.00	\$0.00	0.000000	1.000000	0.767683	0.876175	0.123825	4448.8435:
43.5	\$4,327.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4449.6112:
44.5	\$4,327.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4450.6112:
45.5	\$4,327.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4451.6112:
46.5	\$4,327.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4452.6112:
47.5	\$4,525.00	\$1,497.00	0.330829	0.669171	1.000000	1.000000	0.000000	4453.6112:
48.5	\$3,028.00	\$0.00	0.000000	1.000000	0.447790	0.669171	0.330829	4454.6112:
49.5	\$3,028.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4455.0590:
50.5	\$3,097.00	\$3,097.00	1.000000	0.000000	1.000000	1.000000	0.000000	4456.0590:
51.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4457.0590:
52.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4457.0590:

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Observed Life Report

Account: G395.00-Laboratory Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4458.0590:	
54.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4459.0590:	
55.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4460.0590:	
56.5	\$1,844.00	\$208.00	0.112798	0.887202	1.000000	1.000000	0.000000	4461.0590:	
57.5	\$3,398.00	\$0.00	0.000000	1.000000	0.787127	0.887202	0.112798	4462.0590:	
58.5	\$3,398.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4462.8461:	
59.5	\$3,398.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4463.8461:	
60.5	\$3,398.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4464.8461:	
61.5	\$3,398.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4465.8461:	
62.5	\$3,398.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4466.8461:	
63.5	\$3,398.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4467.8461:	
64.5	\$3,398.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4468.8461:	
65.5	\$4,209.00	\$1,636.00	0.388691	0.611309	1.000000	1.000000	0.000000	4469.8461:	
66.5	\$2,573.00	\$1,762.00	0.684804	0.315196	0.373699	0.611309	0.388691	4470.8461:	
67.5	\$811.00	\$0.00	0.000000	1.000000	0.099349	0.315196	0.684804	4471.2198:	
68.5	\$811.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4471.3192:	
69.5	\$811.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4472.3192:	
70.5	\$811.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4473.3192:	
71.5	\$811.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4474.3192:	
72.5	\$811.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4475.3192:	
73.5	\$811.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4476.3192:	
74.5	\$811.00	\$811.00	1.000000	0.000000	1.000000	1.000000	0.000000	4477.3192:	
75.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4478.3192:	
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4478.3192:	
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4479.3192:	
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4480.3192:	
79.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4481.3192:	
80.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4482.3192:	
81.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4483.3192:	
82.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4484.3192:	
83.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4485.3192:	
84.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4486.3192:	
85.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4487.3192:	
86.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4488.3192:	
87.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4489.3192:	
88.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4490.3192:	
89.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4491.3192:	
90.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4492.3192:	
91.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4493.3192:	
92.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4494.3192:	
93.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4495.3192:	
94.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4496.3192:	
95.5					1.000000	1.000000	0.000000	4497.3192:	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G396.00-Power Operated Eq.
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$16,162.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4498.3192
0.5	\$16,162.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4499.3192
1.5	\$16,162.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4500.3192
2.5	\$16,162.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4501.3192
3.5	\$16,162.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4502.3192
4.5	\$162,284.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4503.3192
5.5	\$162,284.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4504.3192
6.5	\$162,284.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4505.3192
7.5	\$162,284.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4506.3192
8.5	\$162,284.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4507.3192
9.5	\$162,284.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4508.3192
10.5	\$162,284.40	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4509.3192
11.5	\$246,939.44	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4510.3192
12.5	\$246,939.44	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4511.3192
13.5	\$246,939.44	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4512.3192
14.5	\$246,939.44	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4513.3192
15.5	\$246,939.44	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4514.3192
16.5	\$246,939.44	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4515.3192
17.5	\$230,777.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4516.3192
18.5	\$230,777.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4517.3192
19.5	\$230,777.04	\$84,655.04	0.366826	0.633174	1.000000	1.000000	0.000000	4518.3192
20.5	\$146,122.00	\$146,122.00	1.000000	0.000000	0.400909	0.633174	0.366826	4519.3192
21.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4519.7201
22.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4519.7201
23.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4520.7201
24.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4521.7201
25.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4522.7201
26.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4523.7201
27.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4524.7201
28.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4525.7201
29.5					1.000000	1.000000	0.000000	4526.7201

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G397.00-Communication Equip.
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving
			Retired	Surviving	
0	\$6,058,687.47	\$0.00	0.000000	1.000000	1.000000
0.5	\$6,112,861.69	\$3,737.00	0.000611	0.999389	1.000000
1.5	\$6,501,042.56	\$1,759.00	0.000271	0.999729	0.998778
2.5	\$6,252,362.38	\$17,885.00	0.002861	0.997139	0.999459
3.5	\$4,762,363.89	\$51,290.46	0.010770	0.989230	0.994287
4.5	\$4,515,530.43	\$0.00	0.000000	1.000000	0.978576
5.5	\$4,428,567.43	\$67,334.00	0.015204	0.984796	1.000000
6.5	\$4,318,302.06	\$0.00	0.000000	1.000000	0.969822
7.5	\$4,307,311.06	\$17,460.62	0.004054	0.995946	1.000000
8.5	\$4,279,192.20	\$148,530.00	0.034710	0.965290	0.991909
9.5	\$4,180,431.28	\$68,936.00	0.016490	0.983510	0.931785
10.5	\$3,979,025.31	\$33,033.37	0.008302	0.991698	0.967292
11.5	\$3,825,447.16	\$33,554.00	0.008771	0.991229	0.983465
12.5	\$3,793,991.87	\$0.00	0.000000	1.000000	0.982534
13.5	\$3,691,019.70	\$14,870.00	0.004029	0.995971	1.000000
14.5	\$3,698,378.32	\$2,407,143.55	0.650865	0.349135	0.991959
15.5	\$761,841.24	\$222,410.08	0.291938	0.708062	0.121896
16.5	\$548,635.46	\$433,067.02	0.789353	0.210647	0.501352
17.5	\$161,081.38	\$6,779.12	0.042085	0.957915	0.044372
18.5	\$154,713.26	\$0.00	0.000000	1.000000	0.917601
19.5	\$154,713.26	\$0.00	0.000000	1.000000	1.000000
20.5	\$154,713.26	\$0.00	0.000000	1.000000	1.000000
21.5	\$168,544.22	\$22,103.00	0.131141	0.868859	1.000000
22.5	\$152,398.46	\$14,470.63	0.094953	0.905047	0.754917
23.5	\$137,927.83	\$5,095.00	0.036940	0.963060	0.819111
24.5	\$133,510.83	\$33,832.00	0.253403	0.746597	0.927485
25.5	\$99,678.83	\$24,891.03	0.249712	0.750288	0.557408
26.5	\$76,401.10	\$14,621.03	0.191372	0.808628	0.562932
27.5	\$63,318.65	\$7,529.00	0.118907	0.881093	0.653879
28.5	\$55,789.65	\$6,481.71	0.116181	0.883819	0.776326
29.5	\$55,126.98	\$8,657.00	0.157037	0.842963	0.781136
30.5	\$46,469.98	\$1,897.62	0.040835	0.959165	0.710586
31.5	\$44,708.92	\$2,186.00	0.048894	0.951106	0.919997
32.5	\$43,951.64	\$22,339.30	0.508270	0.491730	0.904603
33.5	\$21,688.26	\$3,157.94	0.145606	0.854394	0.241798
34.5	\$18,784.32	\$0.00	0.000000	1.000000	0.729989
35.5	\$18,784.32	\$391.00	0.020815	0.979185	1.000000
36.5	\$18,393.32	\$172.00	0.009351	0.990649	0.958803
37.5	\$19,440.51	\$1,602.96	0.082455	0.917545	0.981385
38.5	\$18,178.55	\$6,330.24	0.348226	0.651774	0.841890
39.5	\$12,363.31	\$341.00	0.027582	0.972418	0.424810
40.5	\$12,581.31	\$2,512.00	0.199661	0.800339	0.945598
41.5	\$10,471.76	\$0.00	0.000000	1.000000	0.640542
42.5	\$10,471.76	\$157.30	0.015021	0.984979	1.000000
43.5	\$10,352.46	\$482.58	0.046615	0.953385	0.970183
44.5	\$10,127.88	\$0.00	0.000000	1.000000	0.908943
45.5	\$10,266.62	\$5,857.04	0.570494	0.429506	1.000000
46.5	\$4,409.58	\$258.00	0.058509	0.941491	0.184476
47.5	\$4,151.58	\$136.56	0.032894	0.967106	0.886405
48.5	\$4,015.02	\$1,428.72	0.355844	0.644156	0.935295
49.5	\$2,586.30	\$75.92	0.029355	0.970645	0.414937
50.5	\$2,510.38	\$0.00	0.000000	1.000000	0.942152
51.5	\$2,510.38	\$0.00	0.000000	1.000000	1.000000
52.5	\$2,510.38	\$0.00	0.000000	1.000000	1.000000

San Diego Gas & Electric Company
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Observed Life Report

Account: G397.00-Communication Equip.

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$2,510.38	\$1,410.19	0.561744	0.438256	1.000000	1.000000	0.000000	4572.4707	
54.5	\$1,100.19	\$559.00	0.508094	0.491906	0.192069	0.438256	0.561744	4573.4707	
55.5	\$541.19	\$0.00	0.000000	1.000000	0.241971	0.491906	0.508094	4573.6628	
56.5	\$541.19	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4573.9048	
57.5	\$541.19	\$402.45	0.743639	0.256361	1.000000	1.000000	0.000000	4574.9048	
58.5	\$138.74	\$0.00	0.000000	1.000000	0.065721	0.256361	0.743639	4575.9048	
59.5	\$138.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4575.9705	
60.5	\$138.74	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4576.9705	
61.5	\$138.74	\$138.74	1.000000	0.000000	1.000000	1.000000	0.000000	4577.9705	
62.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4578.9705	
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4578.9705	
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4579.9705	
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4580.9705	
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4581.9705	
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4582.9705	
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4583.9705	
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4584.9705	
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4585.9705	
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4586.9705	
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4587.9705	
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4588.9705	
74.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4589.9705	
75.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4590.9705	
76.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4591.9705	
77.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4592.9705	
78.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4593.9705	
79.5					1.000000	1.000000	0.000000	4594.9705	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G398.00-Misc. Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion		Surviving	
			Retired	Surviving	Surviving	Surviving		
0	\$997,123.39	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4595.9705:
0.5	\$1,007,166.48	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4596.9705:
1.5	\$674,867.98	\$1,006.00	0.001491	0.998509	1.000000	1.000000	0.000000	4597.9705:
2.5	\$687,412.45	\$1,026.00	0.001493	0.998507	0.997021	0.998509	0.001491	4598.9705:
3.5	\$704,990.58	\$33,054.67	0.046887	0.953113	0.997017	0.998507	0.001493	4599.9675:
4.5	\$665,528.03	\$10,713.17	0.016097	0.983903	0.908425	0.953113	0.046887	4600.9645:
5.5	\$662,075.65	\$175.00	0.000264	0.999736	0.968065	0.983903	0.016097	4601.8730:
6.5	\$619,965.92	\$23,431.98	0.037796	0.962204	0.999471	0.999736	0.000264	4602.8410:
7.5	\$423,872.37	\$689.00	0.001625	0.998375	0.925837	0.962204	0.037796	4603.8405:
8.5	\$424,328.45	\$31,507.23	0.074252	0.925748	0.996752	0.998375	0.001625	4604.7663:
9.5	\$409,122.36	\$0.00	0.000000	1.000000	0.857009	0.925748	0.074252	4605.7631:
10.5	\$409,122.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4606.6201:
11.5	\$286,105.99	\$4,532.71	0.015843	0.984157	1.000000	1.000000	0.000000	4607.6201:
12.5	\$282,609.28	\$26,023.53	0.092083	0.907917	0.968565	0.984157	0.015843	4608.6201:
13.5	\$266,451.75	\$12,480.00	0.046838	0.953162	0.824313	0.907917	0.092083	4609.5887:
14.5	\$260,347.75	\$2,949.00	0.011327	0.988673	0.908518	0.953162	0.046838	4610.4130:
15.5	\$276,821.75	\$4,074.00	0.014717	0.985283	0.977474	0.988673	0.011327	4611.3215:
16.5	\$279,150.75	\$2,690.45	0.009638	0.990362	0.970782	0.985283	0.014717	4612.2990:
17.5	\$289,029.95	\$1,002.00	0.003467	0.996533	0.980817	0.990362	0.009638	4613.2698:
18.5	\$294,206.86	\$132,461.94	0.450234	0.549766	0.993078	0.996533	0.003467	4614.2506:
19.5	\$165,732.91	\$83,525.70	0.503978	0.496022	0.302243	0.549766	0.450234	4615.2436:
20.5	\$84,908.21	\$14,433.11	0.169985	0.830015	0.246038	0.496022	0.503978	4615.5459:
21.5	\$91,762.96	\$5,082.00	0.055382	0.944618	0.688925	0.830015	0.169985	4615.7919:
22.5	\$93,273.96	\$16,545.94	0.177391	0.822609	0.892304	0.944618	0.055382	4616.4809:
23.5	\$76,965.02	\$10,731.38	0.139432	0.860568	0.676686	0.822609	0.177391	4617.3732:
24.5	\$66,930.64	\$5,925.00	0.088524	0.911476	0.740577	0.860568	0.139432	4618.0498:
25.5	\$61,005.64	\$11,489.00	0.188327	0.811673	0.830788	0.911476	0.088524	4618.7904:
26.5	\$50,315.64	\$6,913.00	0.137393	0.862607	0.658813	0.811673	0.188327	4619.6212:
27.5	\$43,402.64	\$9,507.00	0.219042	0.780958	0.744091	0.862607	0.137393	4620.2800:
28.5	\$33,895.64	\$12,349.00	0.364324	0.635676	0.609895	0.780958	0.219042	4621.0241:
29.5	\$21,546.64	\$2,060.65	0.095637	0.904363	0.404084	0.635676	0.364324	4621.6340:
30.5	\$19,681.99	\$3,076.00	0.156285	0.843715	0.817873	0.904363	0.095637	4622.0381:
31.5	\$17,079.99	\$8,634.99	0.505562	0.494438	0.711855	0.843715	0.156285	4622.8560:
32.5	\$8,846.00	\$6,475.00	0.731969	0.268031	0.244469	0.494438	0.505562	4623.5678:
33.5	\$2,664.00	\$293.00	0.109985	0.890015	0.071840	0.268031	0.731969	4623.8123:
34.5	\$2,636.00	\$697.00	0.264416	0.735584	0.792127	0.890015	0.109985	4623.8841:
35.5	\$1,939.00	\$267.00	0.137700	0.862300	0.541084	0.735584	0.264416	4624.6763:
36.5	\$2,016.00	\$532.00	0.263889	0.736111	0.743562	0.862300	0.137700	4625.2173:
37.5	\$1,484.00	\$0.00	0.000000	1.000000	0.541860	0.736111	0.263889	4625.9609:
38.5	\$1,484.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4626.5028:
39.5	\$1,597.00	\$113.00	0.070758	0.929242	1.000000	1.000000	0.000000	4627.5028:
40.5	\$1,484.00	\$818.00	0.551213	0.448787	0.863491	0.929242	0.070758	4628.5028:
41.5	\$1,338.00	\$739.00	0.552317	0.447683	0.201410	0.448787	0.551213	4629.3663:
42.5	\$599.00	\$0.00	0.000000	1.000000	0.200420	0.447683	0.552317	4629.5677:
43.5	\$599.00	\$265.00	0.442404	0.557596	1.000000	1.000000	0.000000	4629.7681:
44.5	\$708.00	\$0.00	0.000000	1.000000	0.310913	0.557596	0.442404	4630.7681:
45.5	\$708.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4631.0790:
46.5	\$708.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4632.0790:
47.5	\$708.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4633.0790:
48.5	\$708.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4634.0790:
49.5	\$708.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4635.0790:
50.5	\$708.00	\$334.00	0.471751	0.528249	1.000000	1.000000	0.000000	4636.0790:
51.5	\$374.00	\$0.00	0.000000	1.000000	0.279047	0.528249	0.471751	4637.0790:
52.5	\$374.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4637.3580:

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: G398.00-Misc. Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$374.00	\$374.00	1.000000	0.000000	1.000000	1.000000	0.000000	4638.3580	
54.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4639.3580	
55.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4639.3580	
56.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4640.3580	
57.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4641.3580	
58.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4642.3580	
59.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4643.3580	
60.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4644.3580	
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4645.3580	
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4646.3580	
63.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4647.3580	
64.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4648.3580	
65.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4649.3580	
66.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4650.3580	
67.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4651.3580	
68.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4652.3580	
69.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4653.3580	
70.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4654.3580	
71.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4655.3580	
72.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4656.3580	
73.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4657.3580	
74.5					1.000000	1.000000	0.000000	4658.3580	

San Diego Gas & Electric Company
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Observed Life Report

Account: zE350.11 - Trans Land - Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$41,360,320.28	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4659.3580:	
0.5	\$47,930,137.46	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4660.3580:	
1.5	\$48,431,749.08	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4661.3580:	
2.5	\$22,798,094.83	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4662.3580:	
3.5	\$22,807,007.23	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4663.3580:	
4.5	\$22,807,007.23	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4664.3580:	
5.5	\$21,925,618.94	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4665.3580:	
6.5	\$21,344,686.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4666.3580:	
7.5	\$20,704,603.16	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4667.3580:	
8.5	\$23,215,928.77	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4668.3580:	
9.5	\$9,154,521.50	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4669.3580:	
10.5	\$11,361,224.97	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4670.3580:	
11.5	\$5,366,069.50	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4671.3580:	
12.5	\$5,366,069.50	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4672.3580:	
13.5	\$5,081,196.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4673.3580:	
14.5	\$5,686,752.15	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4674.3580:	
15.5	\$6,445,076.87	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4675.3580:	
16.5	\$7,435,367.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4676.3580:	
17.5	\$7,487,419.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4677.3580:	
18.5	\$7,521,257.63	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4678.3580:	
19.5	\$6,703,505.10	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4679.3580:	
20.5	\$6,616,582.25	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4680.3580:	
21.5	\$7,317,930.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4681.3580:	
22.5	\$6,690,306.23	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4682.3580:	
23.5	\$6,710,147.49	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4683.3580:	
24.5	\$6,746,621.39	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4684.3580:	
25.5	\$5,642,529.79	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4685.3580:	
26.5	\$3,792,295.18	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4686.3580:	
27.5	\$5,914,594.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4687.3580:	
28.5	\$5,515,807.12	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4688.3580:	
29.5	\$6,214,384.34	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4689.3580:	
30.5	\$6,212,651.38	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4690.3580:	
31.5	\$6,294,233.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4691.3580:	
32.5	\$5,845,840.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4692.3580:	
33.5	\$5,138,295.83	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4693.3580:	
34.5	\$4,244,093.12	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4694.3580:	
35.5	\$4,366,109.24	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4695.3580:	
36.5	\$4,536,655.01	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4696.3580:	
37.5	\$4,519,354.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4697.3580:	
38.5	\$4,607,275.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4698.3580:	
39.5	\$4,876,207.88	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4699.3580:	
40.5	\$5,428,796.46	\$6,171.84	0.001137	0.998863	1.000000	1.000000	0.000000	4700.3580:	
41.5	\$5,375,526.55	\$73,950.29	0.013757	0.986243	0.997728	0.998863	0.001137	4701.3580:	
42.5	\$5,283,674.56	\$0.00	0.000000	1.000000	0.972676	0.986243	0.013757	4702.3558:	
43.5	\$5,209,415.13	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4703.3284:	
44.5	\$4,588,472.47	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4704.3284:	
45.5	\$2,813,678.63	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4705.3284:	
46.5	\$2,603,049.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4706.3284:	
47.5	\$1,994,325.07	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4707.3284:	
48.5	\$1,879,688.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4708.3284:	
49.5	\$1,776,870.67	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4709.3284:	
50.5	\$1,616,246.05	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4710.3284:	
51.5	\$1,621,866.78	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4711.3284:	
52.5	\$1,565,121.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4712.3284:	

San Diego Gas & Electric Company
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Observed Life Report

Account: zE350.11 - Trans Land - Other
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
53.5	\$1,386,690.37	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4713.3284	
54.5	\$1,196,204.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4714.3284	
55.5	\$1,193,391.50	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4715.3284	
56.5	\$1,094,213.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4716.3284	
57.5	\$836,531.82	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4717.3284	
58.5	\$218,701.27	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4718.3284	
59.5	\$194,826.14	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4719.3284	
60.5	\$176,253.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4720.3284	
61.5	\$172,437.28	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4721.3284	
62.5	\$157,524.10	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4722.3284	
63.5	\$109,280.06	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4723.3284	
64.5	\$86,175.91	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4724.3284	
65.5	\$74,676.95	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4725.3284	
66.5	\$73,667.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4726.3284	
67.5	\$51,675.46	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4727.3284	
68.5	\$49,447.30	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4728.3284	
69.5	\$44,974.71	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4729.3284	
70.5	\$44,566.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4730.3284	
71.5	\$52,587.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4731.3284	
72.5	\$52,712.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4732.3284	
73.5	\$52,712.86	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4733.3284	
74.5	\$52,576.96	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4734.3284	
75.5	\$36,491.43	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4735.3284	
76.5	\$29,357.53	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4736.3284	
77.5	\$29,238.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4737.3284	
78.5	\$29,238.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4738.3284	
79.5	\$28,731.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4739.3284	
80.5	\$13,690.34	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4740.3284	
81.5	\$14,269.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4741.3284	
82.5	\$14,269.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4742.3284	
83.5	\$14,269.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4743.3284	
84.5	\$14,269.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4744.3284	
85.5	\$14,269.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4745.3284	
86.5	\$9,725.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4746.3284	
87.5	\$9,725.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4747.3284	
88.5	\$9,127.65	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4748.3284	
89.5	\$1,106.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4749.3284	
90.5	\$981.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4750.3284	
91.5	\$981.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4751.3284	
92.5	\$981.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4752.3284	
93.5	\$981.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4753.3284	
94.5	\$981.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4754.3284	
95.5	\$981.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4755.3284	
96.5	\$981.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4756.3284	
97.5	\$981.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4757.3284	
98.5	\$981.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4758.3284	
99.5					1.000000	1.000000	0.000000	4759.3284	

San Diego Gas & Electric Company
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Observed Life Report

Account: zE350.12 - Trans Land - SWPL
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
16.5	\$3,735,127.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4760.3284	
17.5	\$3,735,127.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4761.3284	
18.5	\$3,735,127.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4762.3284	
19.5	\$3,735,127.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4763.3284	
20.5	\$3,735,127.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4764.3284	
21.5	\$3,735,127.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4765.3284	
22.5	\$3,735,127.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4766.3284	
23.5	\$3,735,127.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4767.3284	
24.5	\$3,735,127.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4768.3284	
25.5	\$3,735,127.41	\$596,814.00	0.159784	0.840216	1.000000	1.000000	0.000000	4769.3284	
26.5	\$3,138,313.41	\$0.00	0.000000	1.000000	0.705963	0.840216	0.159784	4770.3284	
27.5	\$3,138,313.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4771.0344	
28.5	\$3,138,313.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4772.0344	
29.5	\$3,138,313.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4773.0344	
30.5	\$3,138,313.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4774.0344	
31.5	\$3,138,313.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4775.0344	
32.5	\$3,138,313.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4776.0344	
33.5	\$3,046,008.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4777.0344	
34.5					1.000000	1.000000	0.000000	4778.0344	

San Diego Gas & Electric Company
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Observed Life Report

Account: zE350.16 - Trans Land - SRPL

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$2,582,441.25	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4779.0344	
0.5	\$2,582,441.25	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4780.0344	
1.5	\$2,582,441.25	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4781.0344	
2.5	\$2,563,164.10	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4782.0344	
3.5	\$2,563,164.10	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4783.0344	
4.5	\$2,541,800.13	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4784.0344	
5.5	\$2,324,872.28	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4785.0344	
6.5	\$712,320.41	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4786.0344	
7.5					1.000000	1.000000	0.000000	4787.0344	

San Diego Gas & Electric Company
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Observed Life Report

Account: zE396.00 - Power Oper Eqp
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
30.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4788.0344	
31.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4789.0344	
32.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4790.0344	
33.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4791.0344	
34.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4792.0344	
35.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4793.0344	
36.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4794.0344	
37.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4795.0344	
38.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4796.0344	
39.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4797.0344	
40.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4798.0344	
41.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4799.0344	
42.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4800.0344	
43.5	\$92,161.75	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4801.0344	
44.5	\$92,161.75	\$31,632.82	0.343232	0.656768	1.000000	1.000000	0.000000	4802.0344	
45.5	\$60,528.93	\$0.00	0.000000	1.000000	0.431345	0.656768	0.343232	4803.0344	
46.5	\$60,528.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4803.4658	
47.5					1.000000	1.000000	0.000000	4804.4658	

Observed Life Report

Account: zE397.70-Commun Dev - Telecom

Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016

Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$34,543.12	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4805.4658	
0.5	\$13,056.66	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4806.4658	
1.5					1.000000	1.000000	0.000000	4807.4658	

San Diego Gas & Electric Company
2019 GRC - APP

Observed Life Report

Account: zG303 - Misc Intangible Plt (SL)
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
0	\$224,541.32	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4808.4658	
0.5	\$224,541.32	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4809.4658	
1.5	\$235,844.26	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4810.4658	
2.5	\$235,844.26	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4811.4658	
3.5	\$285,299.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4812.4658	
4.5	\$285,299.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4813.4658	
5.5	\$357,011.04	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4814.4658	
6.5	\$710,396.90	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4815.4658	
7.5	\$929,116.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4816.4658	
8.5	\$929,116.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4817.4658	
9.5	\$929,116.70	\$228,457.12	0.245886	0.754114	1.000000	1.000000	0.000000	4818.4658	
10.5	\$700,659.58	\$218,719.80	0.312163	0.687837	0.568687	0.754114	0.245886	4819.4658	
11.5	\$481,939.78	\$0.00	0.000000	1.000000	0.473120	0.687837	0.312163	4820.0344	
12.5	\$481,939.78	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4820.5076	
13.5	\$481,939.78	\$7,387.14	0.015328	0.984672	1.000000	1.000000	0.000000	4821.5076	
14.5	\$474,552.64	\$0.00	0.000000	1.000000	0.969579	0.984672	0.015328	4822.5076	
15.5	\$474,552.64	\$49,455.10	0.104214	0.895786	1.000000	1.000000	0.000000	4823.4771	
16.5	\$425,097.54	\$0.00	0.000000	1.000000	0.802432	0.895786	0.104214	4824.4771	
17.5	\$425,097.54	\$71,711.68	0.168695	0.831305	1.000000	1.000000	0.000000	4825.2796	
18.5	\$353,385.86	\$353,385.86	1.000000	0.000000	0.691069	0.831305	0.168695	4826.2796	
19.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4826.9706	
20.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4826.9706	
21.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4827.9706	
22.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4828.9706	
23.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4829.9706	
24.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4830.9706	
25.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4831.9706	
26.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4832.9706	
27.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4833.9706	
28.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4834.9706	
29.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4835.9706	
30.5	\$2,170.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4836.9706	
31.5	\$3,161.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4837.9706	
32.5	\$3,161.84	\$2,170.00	0.686309	0.313691	1.000000	1.000000	0.000000	4838.9706	
33.5	\$991.84	\$0.00	0.000000	1.000000	0.098402	0.313691	0.686309	4839.9706	
34.5	\$991.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4840.0690	
35.5	\$991.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4841.0690	
36.5	\$991.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4842.0690	
37.5	\$991.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4843.0690	
38.5	\$991.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4844.0690	
39.5	\$991.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4845.0690	
40.5	\$991.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4846.0690	
41.5	\$991.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4847.0690	
42.5	\$991.84	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4848.0690	
43.5	\$991.84	\$991.84	1.000000	0.000000	1.000000	1.000000	0.000000	4849.0690	
44.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4850.0690	
45.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4850.0690	
46.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4851.0690	
47.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4852.0690	
48.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4853.0690	
49.5					1.000000	1.000000	0.000000	4854.0690	

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Observed Life Report

Account: zG362.10-Gas Holders
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
9.5	\$7,314.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4855.0690	
10.5	\$7,314.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4856.0690	
11.5	\$7,314.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4857.0690	
12.5	\$7,314.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4858.0690	
13.5	\$7,314.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4859.0690	
14.5	\$7,314.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4860.0690	
15.5	\$7,314.09	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4861.0690	
16.5	\$7,314.09	\$15.50	0.002119	0.997881	1.000000	1.000000	0.000000	4862.0690	
17.5	\$7,298.59	\$7,298.59	1.000000	0.000000	0.995766	0.997881	0.002119	4863.0690	
18.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4864.0648	
19.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4864.0648	
20.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4865.0648	
21.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4866.0648	
22.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4867.0648	
23.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4868.0648	
24.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4869.0648	
25.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4870.0648	
26.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4871.0648	
27.5					1.000000	1.000000	0.000000	4872.0648	
43.5	\$279,296.26	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4873.0648	
44.5	\$279,296.26	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4874.0648	
45.5	\$981,968.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4875.0648	
46.5	\$981,968.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4876.0648	
47.5	\$981,968.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4877.0648	
48.5	\$981,968.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4878.0648	
49.5	\$981,968.57	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4879.0648	
50.5	\$981,968.57	\$210.62	0.000214	0.999786	1.000000	1.000000	0.000000	4880.0648	
51.5	\$981,757.95	\$279,085.64	0.284271	0.715729	0.999571	0.999786	0.000214	4881.0648	
52.5	\$702,672.31	\$0.00	0.000000	1.000000	0.512268	0.715729	0.284271	4882.0644	
53.5	\$702,672.31	\$702,672.31	1.000000	0.000000	1.000000	1.000000	0.000000	4882.5766	
54.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4883.5766	
55.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4883.5766	
56.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4884.5766	
57.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4885.5766	
58.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4886.5766	
59.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4887.5766	
60.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4888.5766	
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4889.5766	
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4890.5766	
63.5					1.000000	1.000000	0.000000	4891.5766	

San Diego Gas & Electric Company
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Observed Life Report

Account: zG363.30-Compressor Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
5.5	\$57,718.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4892.5766:	
6.5	\$57,718.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4893.5766:	
7.5	\$57,718.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4894.5766:	
8.5	\$57,718.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4895.5766:	
9.5	\$57,718.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4896.5766:	
10.5	\$57,718.70	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4897.5766:	
11.5	\$62,253.06	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4898.5766:	
12.5	\$62,253.06	\$57,718.70	0.927162	0.072838	1.000000	1.000000	0.000000	4899.5766:	
13.5	\$4,534.36	\$0.00	0.000000	1.000000	0.005305	0.072838	0.927162	4900.5766:	
14.5	\$28,251.90	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4900.5820:	
15.5	\$28,251.90	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4901.5820:	
16.5	\$28,251.90	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4902.5820:	
17.5	\$121,401.23	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4903.5820:	
18.5	\$121,401.23	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4904.5820:	
19.5	\$121,401.23	\$4,534.36	0.037350	0.962650	1.000000	1.000000	0.000000	4905.5820:	
20.5	\$116,866.87	\$0.00	0.000000	1.000000	0.926695	0.962650	0.037350	4906.5820:	
21.5	\$116,866.87	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4907.5086:	
22.5	\$116,866.87	\$23,717.54	0.202945	0.797055	1.000000	1.000000	0.000000	4908.5086:	
23.5	\$93,149.33	\$0.00	0.000000	1.000000	0.635297	0.797055	0.202945	4909.5086:	
24.5	\$93,149.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4910.1439:	
25.5	\$93,149.33	\$93,149.33	1.000000	0.000000	1.000000	1.000000	0.000000	4911.1439:	
26.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4912.1439:	
27.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4912.1439:	
28.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4913.1439:	
29.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4914.1439:	
30.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4915.1439:	
31.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4916.1439:	
32.5	\$5,304.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4917.1439:	
33.5	\$5,304.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4918.1439:	
34.5	\$5,304.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4919.1439:	
35.5	\$5,304.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4920.1439:	
36.5	\$5,304.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4921.1439:	
37.5	\$5,304.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4922.1439:	
38.5	\$5,304.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4923.1439:	
39.5	\$5,304.36	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4924.1439:	
40.5	\$5,304.36	\$5,304.36	1.000000	0.000000	1.000000	1.000000	0.000000	4925.1439:	
41.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4926.1439:	
42.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4926.1439:	
43.5	\$214,412.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4927.1439:	
44.5	\$214,799.66	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4928.1439:	
45.5	\$374,226.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4929.1439:	
46.5	\$374,226.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4930.1439:	
47.5	\$374,226.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4931.1439:	
48.5	\$374,226.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4932.1439:	
49.5	\$374,226.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4933.1439:	
50.5	\$374,226.21	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4934.1439:	
51.5	\$374,226.21	\$214,412.33	0.572948	0.427052	1.000000	1.000000	0.000000	4935.1439:	
52.5	\$159,813.88	\$387.33	0.002424	0.997576	0.182373	0.427052	0.572948	4936.1439:	
53.5	\$159,426.55	\$159,426.55	1.000000	0.000000	0.995159	0.997576	0.002424	4936.3263:	
54.5	\$0.00	\$0.00	0.000000	1.000000	0.000000	0.000000	1.000000	4937.3215:	
55.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4937.3215:	
56.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4938.3215:	
57.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4939.3215:	
58.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4940.3215:	

Observed Life Report

Account: zG363.30-Compressor Equipment
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving				
			Retired	Surviving					
59.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4941.3215:	
60.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4942.3215:	
61.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4943.3215:	
62.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4944.3215:	
63.5					1.000000	1.000000	0.000000	4945.3215:	

Observed Life Report

Account: zG371.00-Other Equipment
 Scenario: SDGE 2016 - Active Accounts
 Placement Band: 1900 - 2016
 Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$117,058.52	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4946.3215

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Observed Life Report

Account: zG387.13-Other EQ - CNG Bal Acct
Scenario: SDGE 2016 - Active Accounts

Placement Band: 1900 - 2016
Observation Band: 1970 - 2099

Age at Beg of Interval	Exposures	Retirements	Conditional Proportion		Cumulative Proportion Surviving			
			Retired	Surviving				
0	\$104,813.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4947.3215
0.5	\$104,813.93	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4948.3215
1.5	\$1,253,126.48	\$31,685.42	0.025285	0.974715	1.000000	1.000000	0.000000	4949.3215
2.5	\$2,669,371.81	\$47,548.32	0.017813	0.982187	0.950069	0.974715	0.025285	4950.3215
3.5	\$5,405,009.60	\$31,680.12	0.005861	0.994139	0.964692	0.982187	0.017813	4951.2715
4.5	\$6,993,467.18	\$0.00	0.000000	1.000000	0.988312	0.994139	0.005861	4952.2362
5.5	\$8,410,126.36	\$937,285.16	0.111447	0.888553	1.000000	1.000000	0.000000	4953.2246
6.5	\$7,669,987.03	\$1,204,051.30	0.156982	0.843018	0.789526	0.888553	0.111447	4954.2246
7.5	\$6,465,935.73	\$2,783,186.11	0.430438	0.569562	0.710679	0.843018	0.156982	4955.0141
8.5	\$3,682,749.62	\$2,277,392.74	0.618395	0.381605	0.324401	0.569562	0.430438	4955.7248
9.5	\$1,405,356.88	\$315,699.30	0.224640	0.775360	0.145623	0.381605	0.618395	4956.0492
10.5	\$1,089,657.58	\$431,461.25	0.395960	0.604040	0.601183	0.775360	0.224640	4956.1948
11.5	\$658,196.33	\$0.00	0.000000	1.000000	0.364864	0.604040	0.395960	4956.7960
12.5	\$658,196.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4957.1608
13.5	\$658,196.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4958.1608
14.5	\$658,196.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4959.1608
15.5	\$658,196.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4960.1608
16.5	\$658,196.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4961.1608
17.5	\$658,196.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4962.1608
18.5	\$658,196.33	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4963.1608
19.5	\$209,389.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4964.1608
20.5	\$209,389.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4965.1608
21.5	\$209,389.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4966.1608
22.5	\$209,389.42	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4967.1608
23.5	\$0.00	\$0.00	0.000000	1.000000	1.000000	1.000000	0.000000	4968.1608
24.5					1.000000	1.000000	0.000000	4969.1608

1 **IV. RESULTS OF LIFE ANALYSIS**

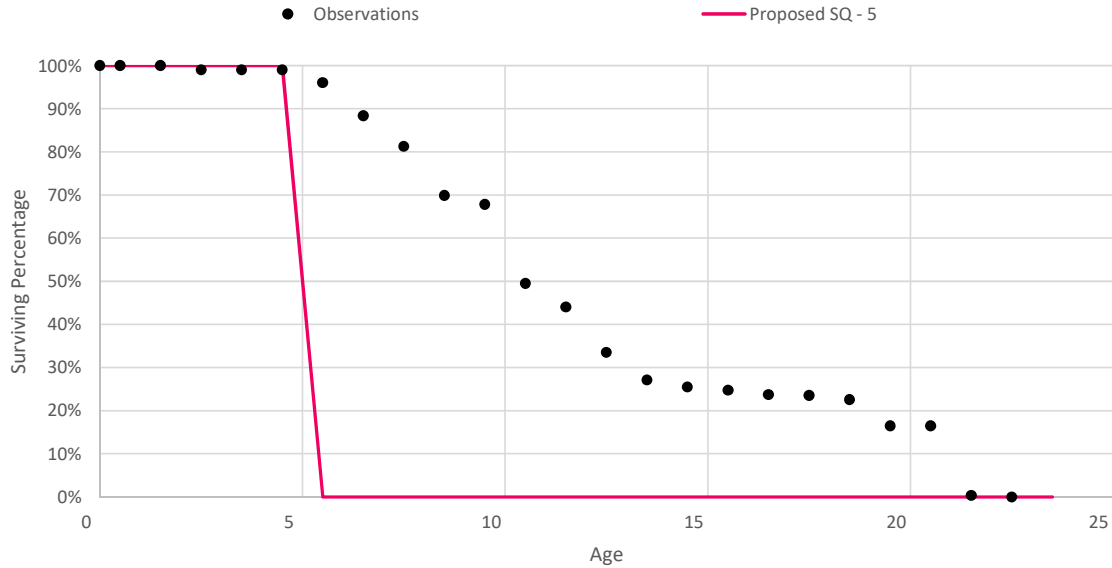
2 This workpaper section provides the results of the life analysis. These tables show the
3 best-fit average service life by survivor curve as calculated by PowerPlan.

4

5 Results of Life Analysis.....MCV-WP-155

6

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
C303.00-Misc Intangible Plant (SL)

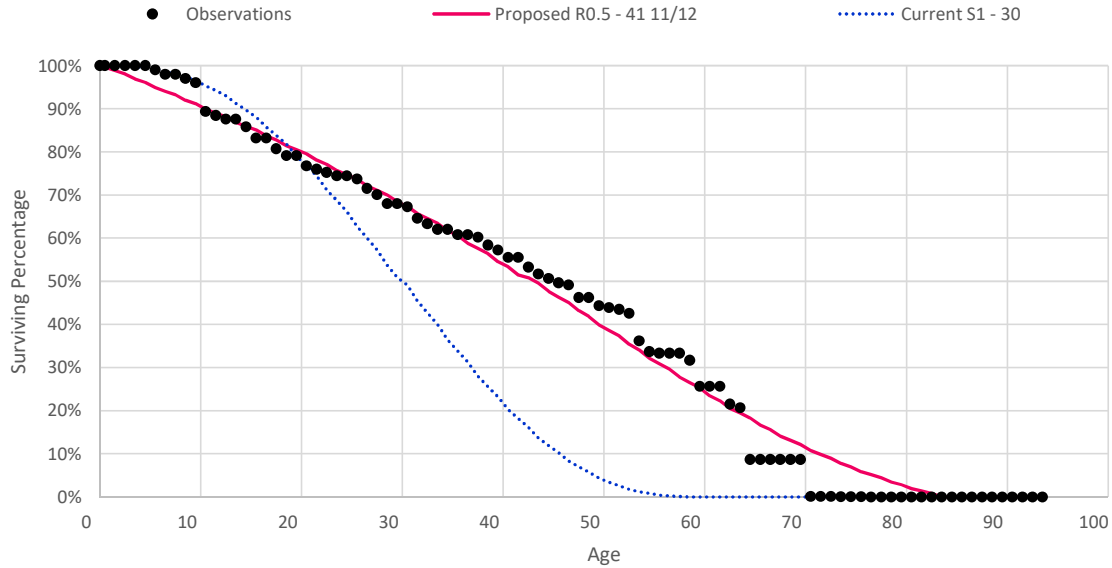


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2	24	L2 - 12 1/12	1	0.124	0.969	0.061	0.148
L1.5	24	L1.5 - 12 1/12	6	0.172	1.135	0.073	0.175
L2.5	23	L2.5 - 12 1/12	13	0.096	1.047	0.081	0.201
H2.00	25	H2.00 - 11 2/3	21	0.525	1.357	0.107	0.250
L1	24	L1 - 12 1/12	24	0.219	1.371	0.109	0.256
GM2.5	25	GM2.5 - 11 2/3	30	0.501	1.384	0.116	0.272
S0.5	26	S0.5 - 11 2/3	35	0.483	1.357	0.120	0.278
H2.50	23	H2.50 - 11 7/12	47	0.571	1.294	0.128	0.306
S1	24	S1 - 11 7/12	48	0.562	1.313	0.131	0.306
GM2.0	25	GM2.0 - 11 2/3	49	0.551	1.557	0.133	0.307
H1.50	25	H1.50 - 11 2/3	51	0.610	1.565	0.135	0.308
S0	26	S0 - 11 2/3	55	0.482	1.494	0.132	0.311
L3	24	L3 - 11 7/12	58	0.576	1.156	0.128	0.312
GM3.0	25	GM3.0 - 11 2/3	69	0.485	1.405	0.135	0.321
L0.5	12	L0.5 - 12 1/6	101	0.253	1.584	0.154	0.351
S1.5	24	S1.5 - 11 7/12	116	0.563	1.307	0.153	0.368
GM1.5	23	GM1.5 - 12 1/12	117	0.339	1.659	0.162	0.370
R1	220	R1 - 11 1/2	140	0.637	1.692	0.174	0.401
S-.5	220	S-.5 - 11 1/2	151	0.638	1.732	0.176	0.409
R1.5	220	R1.5 - 11 1/2	152	0.637	1.633	0.174	0.410
H3.00	23	H3.00 - 11 7/12	189	0.565	1.429	0.174	0.436
R0.5	26	R0.5 - 11 1/3	191	0.801	1.821	0.192	0.437
GM3.5	25	GM3.5 - 11 2/3	204	0.481	1.507	0.181	0.446
H1.00	23	H1.00 - 12 1/12	222	0.415	1.820	0.205	0.459
GM1.0	11	GM1.0 - 12 1/12	241	0.473	1.837	0.214	0.476
S2	24	S2 - 11 7/12	252	0.564	1.479	0.194	0.483
L0	24	L0 - 12 1/4	260	0.342	1.863	0.219	0.488

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2	28	R2 - 11 1/4	276	0.875	1.629	0.206	0.501
L3.5	23	L3.5 - 11 7/12	303	0.574	1.532	0.202	0.525
O1	24	O1 - 11 5/12	346	0.724	2.002	0.251	0.586
O2	24	O2 - 12 7/12	359	0.435	2.111	0.281	0.608
R2.5	26	R2.5 - 11 1/3	362	0.792	1.720	0.240	0.613
S2.5	23	S2.5 - 11 7/12	365	0.564	1.677	0.238	0.615
H0.50	23	H0.50 - 12 1/4	379	0.541	2.119	0.288	0.629
GM4.0	25	GM4.0 - 11 1/3	384	0.791	1.703	0.246	0.632
H4.00	23	H4.00 - 11 7/12	454	0.565	1.902	0.291	0.777
S3	24	S3 - 11 7/12	460	0.565	1.926	0.297	0.793
R3	26	R3 - 11 1/3	464	0.790	1.903	0.299	0.801
L4	24	L4 - 11 7/12	481	0.571	1.968	0.308	0.841
GM4.5	25	GM4.5 - 11 1/3	486	0.790	1.951	0.315	0.848
R3.5	23	R3.5 - 10 11/12	524	1.223	2.026	0.352	0.955
O3	18	O3 - 15 1/12	545	0.296	2.917	0.493	1.005
S3.5	23	S3.5 - 10 11/12	554	1.230	2.174	0.375	1.020
H5.00	23	H5.00 - 10 11/12	591	1.231	2.273	0.399	1.093
GM5.0	23	GM5.0 - 10 11/12	595	1.222	2.199	0.400	1.103
R4	24	R4 - 10 11/12	626	1.224	2.272	0.416	1.152
O4	226	O4 - 19 5/6	675	(0.273)	3.436	0.638	1.247
S4	21	S4 - 10 11/12	698	1.234	2.488	0.458	1.273
L5	21	L5 - 10 11/12	806	1.243	2.643	0.492	1.390
R5	21	R5 - 10 11/12	937	1.237	2.862	0.578	1.659
S5	21	S5 - 10 11/12	982	1.245	2.980	0.618	1.796
GM5.5	20	GM5.5 - 10 11/12	1,029	1.235	3.056	0.659	1.927
S6	202	S6 - 12 1/6	1,175	(0.060)	3.496	0.919	2.790
SQ	203	SQ - 12 5/12	1,357	(0.852)	4.484	1.648	4.977

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Summary Results of Life Analysis
C390.10-Struct & Imprv-Other

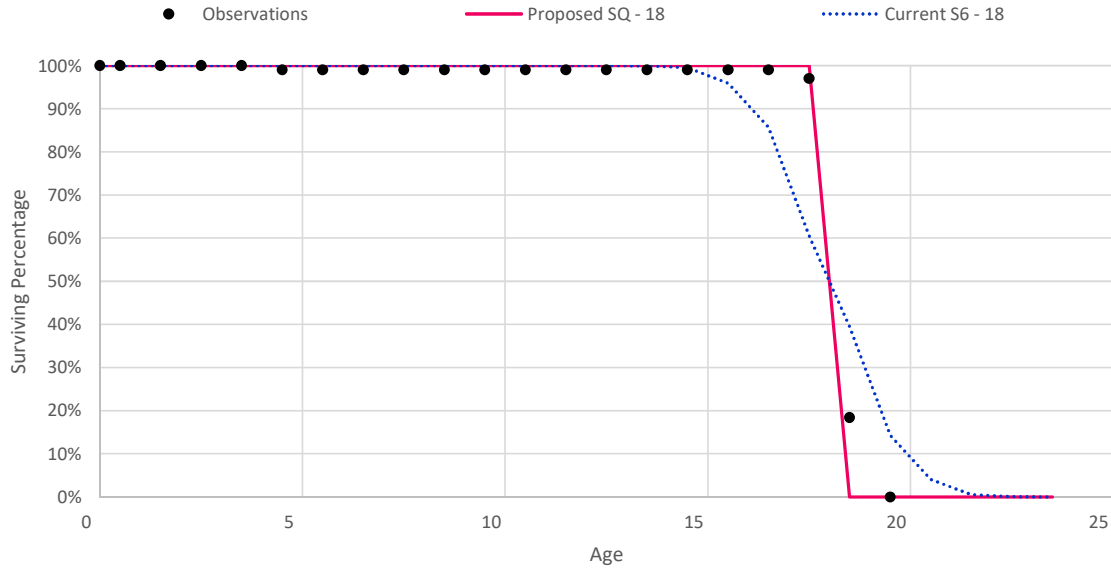


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R0.5		33	R0.5 - 42 1/2	1	(0.528)	2.302	0.133	0.192
S-.5		226	S-.5 - 42 2/3	14	(0.646)	2.514	0.166	0.233
S0		223	S0 - 43 1/4	59	(1.301)	2.826	0.149	0.317
GM2.0		31	GM2.0 - 43 5/6	76	(1.317)	3.085	0.190	0.328
H1.50		31	H1.50 - 44 1/3	99	(1.412)	3.197	0.221	0.344
R1		30	R1 - 42 3/4	101	(0.882)	2.718	0.123	0.346
GM1.5		31	GM1.5 - 45 1/4	149	(1.561)	3.299	0.305	0.389
O1		220	O1 - 42 1/12	178	(0.034)	3.719	0.287	0.433
L0.5		30	L0.5 - 45 1/4	190	(1.528)	3.481	0.324	0.438
H1.00		20	H1.00 - 44 7/12	222	(0.689)	3.544	0.339	0.461
L1		40	L1 - 45	246	(1.919)	3.688	0.294	0.487
GM1.0		35	GM1.0 - 45 5/12	275	(1.042)	3.681	0.390	0.505
L0		21	L0 - 44 7/12	350	(0.433)	4.012	0.395	0.594
GM2.5		31	GM2.5 - 43 5/6	372	(1.719)	3.629	0.230	0.629
S0.5		32	S0.5 - 43 1/3	386	(1.417)	3.549	0.226	0.643
O2		34	O2 - 47 2/3	413	(1.156)	4.564	0.531	0.682
H2.00		35	H2.00 - 44 1/3	418	(2.016)	3.839	0.258	0.686
L1.5		217	L1.5 - 44 1/2	504	(1.812)	4.467	0.345	0.813
R1.5		36	R1.5 - 43 1/2	539	(1.646)	3.739	0.253	0.842
H0.50		20	H0.50 - 44 7/12	575	0.365	5.176	0.519	0.868
GM3.0		35	GM3.0 - 43 2/3	673	(1.743)	4.158	0.326	1.033
S1		41	S1 - 43 1/2	748	(1.640)	4.453	0.376	1.174
L2		217	L2 - 44 1/2	859	(2.089)	5.378	0.493	1.395
H2.50		35	H2.50 - 44 1/3	941	(2.326)	4.949	0.466	1.506
R2		36	R2 - 43 2/3	1,026	(1.846)	4.928	0.483	1.632
O3		24	O3 - 61 1/2	1,050	(2.597)	6.953	1.253	1.660
GM3.5		39	GM3.5 - 44 1/3	1,103	(2.499)	5.114	0.521	1.756

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1.5	36	S1.5 - 44 1/3	1,191	(2.478)	5.426	0.585	1.921
L2.5	216	L2.5 - 44 1/2	1,285	(2.288)	6.216	0.694	2.181
O4	26	O4 - 75 5/6	1,293	(2.627)	8.073	1.585	2.199
H3.00	216	H3.00 - 44 1/2	1,489	(2.607)	6.315	0.788	2.644
R2.5	217	R2.5 - 44 1/2	1,523	(2.689)	6.326	0.786	2.705
GM4.0	216	GM4.0 - 44 1/2	1,568	(2.687)	6.415	0.811	2.758
S2	217	S2 - 44 1/2	1,661	(2.660)	6.555	0.862	2.878
L3	217	L3 - 44 1/2	1,932	(2.487)	7.187	0.987	3.271
S2.5	216	S2.5 - 44 1/2	2,276	(2.663)	7.695	1.168	3.939
R3	217	R3 - 44 1/2	2,365	(2.692)	7.876	1.202	4.076
GM4.5	216	GM4.5 - 44 1/2	2,497	(2.694)	8.098	1.267	4.283
L3.5	216	L3.5 - 44 1/2	2,685	(2.562)	8.353	1.348	4.574
H4.00	216	H4.00 - 44 1/2	3,003	(2.662)	8.798	1.513	5.139
S3	217	S3 - 44 1/2	3,048	(2.665)	8.835	1.534	5.198
R3.5	216	R3.5 - 44 1/2	3,256	(2.693)	9.165	1.609	5.462
L4	217	L4 - 44 1/2	3,747	(2.638)	9.727	1.832	6.284
GM5.0	216	GM5.0 - 44 1/2	3,830	(2.701)	9.905	1.893	6.421
S3.5	216	S3.5 - 44 1/2	4,054	(2.666)	10.091	1.985	6.777
R4	217	R4 - 44 1/2	4,246	(2.695)	10.457	2.090	7.091
H5.00	11	H5.00 - 39 3/4	4,914	2.072	11.729	2.744	8.750
S4	12	S4 - 41 11/12	4,992	(0.046)	11.944	2.788	9.157
L5	12	L5 - 41 11/12	5,118	(0.032)	12.605	3.059	10.158
R5	12	R5 - 41 11/12	5,179	(0.055)	13.264	3.487	11.508
S5	6	S5 - 41 11/12	5,191	(0.042)	13.812	3.755	12.512
GM5.5	11	GM5.5 - 39 3/4	5,208	2.012	14.314	4.182	13.693
S6	202	S6 - 41 11/12	5,235	(0.035)	15.232	4.584	15.429
SQ	205	SQ - 41 11/12	5,278	(0.166)	17.851	6.292	22.009

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Summary Results of Life Analysis
C391.10-Offc Furn & Eq-Other

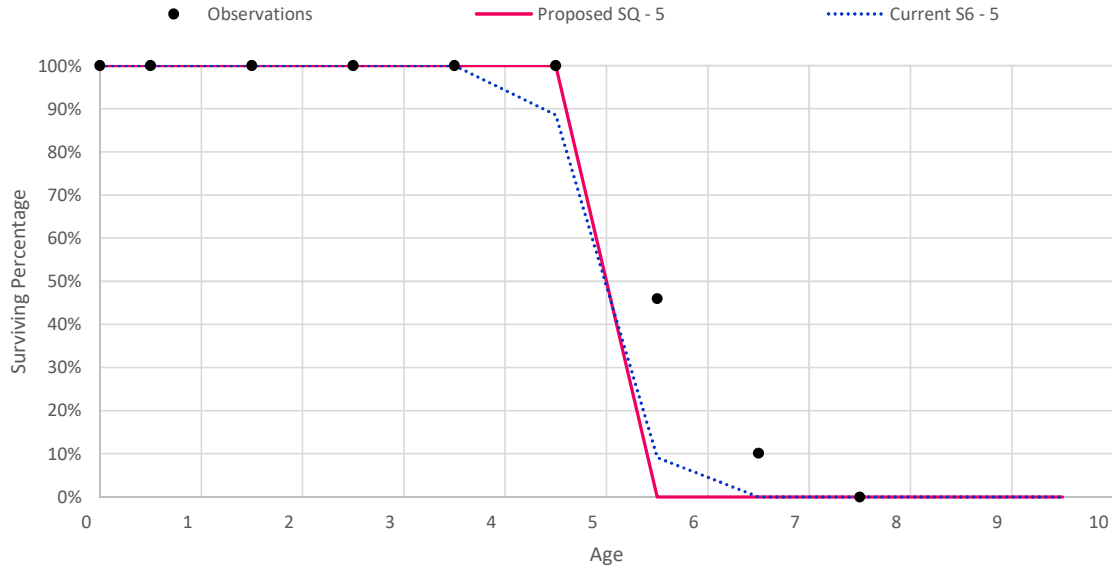


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
SQ		206	SQ - 18	1	0.015	0.349	0.036	0.038
S6		203	S6 - 18 1/12	5	(0.078)	1.001	0.194	0.310
GM5.5		29	GM5.5 - 17 11/12	7	0.088	1.386	0.313	0.477
S5		6	S5 - 18 1/12	17	(0.067)	1.578	0.367	0.573
R5		30	R5 - 18 2/3	18	(0.640)	1.911	0.500	0.620
L5		28	L5 - 18 2/3	26	(0.575)	2.119	0.493	0.668
S4		30	S4 - 18 2/3	51	(0.612)	2.437	0.640	0.856
H5.00		29	H5.00 - 18 2/3	68	(0.571)	2.725	0.731	0.991
R4		30	R4 - 18 1/12	69	(0.059)	2.658	0.690	0.993
L4		211	L4 - 19 1/4	84	(0.927)	2.977	0.819	1.040
S3.5		27	S3.5 - 18 2/3	92	(0.548)	2.855	0.774	1.055
GM5.0		29	GM5.0 - 17 11/12	111	0.101	2.825	0.745	1.090
R3.5		29	R3.5 - 17 11/12	148	0.136	3.077	0.807	1.199
L3.5		31	L3.5 - 19 2/3	170	(0.968)	3.425	1.001	1.272
H4.00		27	H4.00 - 18 2/3	171	(0.455)	3.289	0.929	1.285
S3		28	S3 - 18 2/3	179	(0.484)	3.301	0.940	1.301
GM4.5		29	GM4.5 - 17 11/12	224	0.145	3.509	0.962	1.414
R3		30	R3 - 18 1/12	232	0.026	3.599	0.990	1.424
S2.5		33	S2.5 - 18 5/6	256	(0.515)	3.688	1.091	1.487
L3		26	L3 - 20 2/3	292	(1.349)	3.938	1.307	1.586
R2.5		32	R2.5 - 18 1/4	317	(0.002)	4.204	1.204	1.697
S2		23	S2 - 19 2/3	325	(0.996)	4.161	1.356	1.714
GM4.0		31	GM4.0 - 18 1/4	327	(0.043)	4.169	1.214	1.715
H3.00		22	H3.00 - 19 2/3	343	(0.885)	4.246	1.362	1.731
L2.5		25	L2.5 - 20 2/3	391	(0.998)	4.347	1.442	1.833
S1.5		32	S1.5 - 19 2/3	414	(0.756)	4.550	1.492	1.937
GM3.5		29	GM3.5 - 18 2/3	441	(0.125)	4.651	1.432	1.996

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2	32	R2 - 18 1/4	453	0.150	4.760	1.421	2.023
H2.50	31	H2.50 - 19 2/3	469	(0.526)	4.783	1.543	2.040
L2	26	L2 - 20 2/3	511	(0.647)	4.777	1.607	2.138
S1	28	S1 - 19 1/2	531	(0.419)	4.964	1.645	2.221
GM3.0	31	GM3.0 - 19 2/3	542	(0.453)	5.119	1.695	2.247
R1.5	34	R1.5 - 18 5/6	579	0.037	5.359	1.704	2.353
L1.5	26	L1.5 - 22 1/6	607	(1.024)	5.273	1.928	2.416
H2.00	25	H2.00 - 20 2/3	614	(0.574)	5.450	1.885	2.447
S0.5	26	S0.5 - 19 11/12	627	(0.392)	5.415	1.857	2.481
GM2.5	25	GM2.5 - 19 11/12	631	(0.287)	5.466	1.850	2.488
R1	23	R1 - 19 2/3	695	(0.104)	5.927	2.023	2.719
L1	20	L1 - 22 1/6	698	(0.603)	5.728	2.092	2.732
S0	26	S0 - 20 2/3	711	(0.401)	5.844	2.086	2.757
GM2.0	25	GM2.0 - 20 2/3	728	(0.091)	5.978	2.076	2.816
H1.50	25	H1.50 - 22 1/6	741	(0.561)	6.049	2.217	2.853
L0.5	20	L0.5 - 25 1/6	777	(1.155)	6.070	2.422	2.960
GM1.5	19	GM1.5 - 22 1/6	810	(0.132)	6.236	2.241	3.014
S-.5	26	S-.5 - 22 1/6	829	(0.502)	6.386	2.410	3.106
R0.5	26	R0.5 - 20 2/3	835	(0.012)	6.463	2.320	3.122
L0	30	L0 - 24 2/3	861	(0.440)	6.452	2.449	3.184
H1.00	19	H1.00 - 25 1/6	862	(0.782)	6.478	2.543	3.185
GM1.0	19	GM1.0 - 25 1/6	871	(0.647)	6.486	2.513	3.192
H0.50	47	H0.50 - 27 1/12	941	(0.540)	6.798	2.679	3.418
O2	86	O2 - 27 1/12	978	(0.499)	6.856	2.702	3.454
O1	26	O1 - 25 1/6	992	(0.798)	6.828	2.776	3.458
O3	248	O3 - 39 3/4	1,098	(0.889)	6.981	2.915	3.601
O4	9	O4 - 49 7/12	1,340	(0.537)	7.170	2.935	3.731

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Summary Results of Life Analysis
C391.20-Offc Furn & Eq-Cmptr



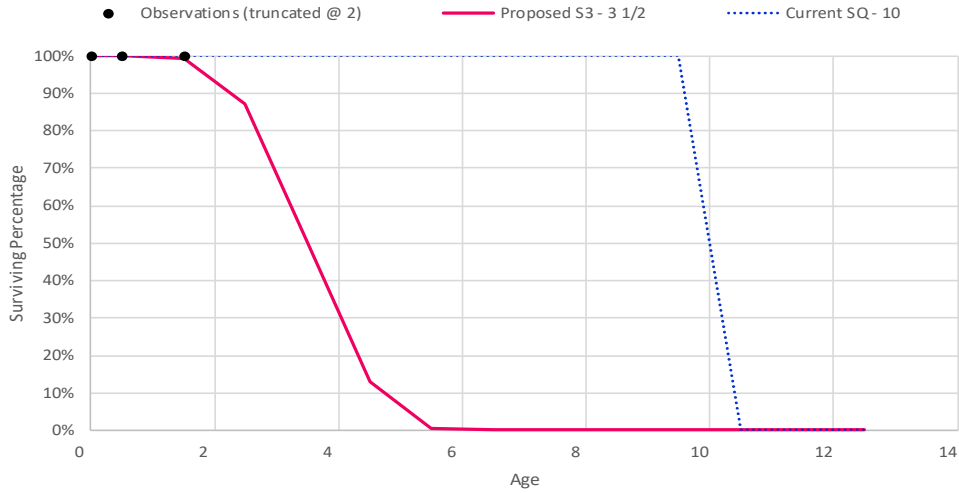
Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S5	22	S5 - 5 1/2	1	0.061	0.141	0.007	0.014
L5	18	L5 - 5 1/2	4	0.065	0.186	0.015	0.029
S6	87	S6 - 5 7/12	7	(0.009)	0.176	0.015	0.032
R5	18	R5 - 5 1/2	8	0.062	0.213	0.016	0.037
S4	18	S4 - 5 1/2	13	0.062	0.276	0.028	0.054
GM5.5	17	GM5.5 - 5 1/2	15	0.060	0.292	0.026	0.058
H5.00	17	H5.00 - 5 1/2	19	0.065	0.374	0.043	0.081
S3.5	17	S3.5 - 5 1/2	23	0.067	0.419	0.052	0.094
L4	170	L4 - 5 7/12	24	0.016	0.459	0.059	0.096
R4	18	R4 - 5 1/2	30	0.062	0.446	0.052	0.106
GM5.0	17	GM5.0 - 5 1/2	37	0.061	0.520	0.064	0.127
R3.5	17	R3.5 - 5 1/2	40	0.065	0.592	0.078	0.145
H4.00	17	H4.00 - 5 1/2	42	0.078	0.567	0.084	0.147
S3	18	S3 - 5 1/2	44	0.072	0.562	0.086	0.150
L3.5	17	L3.5 - 5 2/3	52	(0.000)	0.637	0.104	0.163
S2.5	17	S2.5 - 5 1/2	58	0.088	0.694	0.119	0.202
R3	6	R3 - 5 7/12	62	(0.032)	0.802	0.131	0.215
L3	18	L3 - 5 2/3	65	0.053	0.779	0.158	0.252
S2	170	S2 - 5 7/12	67	0.034	0.852	0.164	0.265
R2.5	6	R2.5 - 5 7/12	77	(0.002)	0.974	0.180	0.287
S1.5	6	S1.5 - 5 7/12	87	0.055	1.011	0.217	0.343
R2	6	R2 - 5 7/12	93	0.029	1.146	0.240	0.375
S1	6	S1 - 5 7/12	104	0.094	1.152	0.270	0.426
L2	6	L2 - 5 7/12	117	0.226	1.103	0.279	0.462
R1.5	6	R1.5 - 5 7/12	121	0.096	1.315	0.303	0.472
S0.5	6	S0.5 - 5 7/12	140	0.154	1.298	0.325	0.513
L1.5	6	L1.5 - 5 7/12	155	0.297	1.253	0.336	0.557

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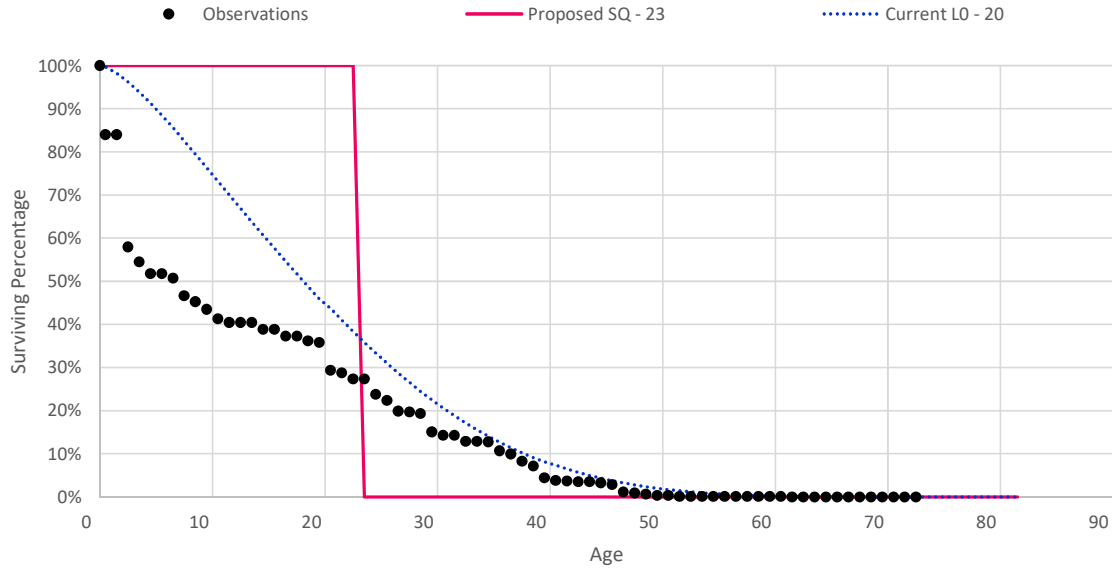
Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R1	6	R1 - 5 7/12	165	0.163	1.483	0.375	0.585
S0	6	S0 - 5 7/12	173	0.214	1.445	0.386	0.612
SQ	202	SQ - 5	186	0.561	0.562	0.223	0.648
L1	6	L1 - 5 7/12	197	0.367	1.407	0.401	0.668
R0.5	6	R0.5 - 5 7/12	212	0.287	1.647	0.455	0.722
S-.5	6	S-.5 - 5 7/12	215	0.312	1.628	0.461	0.736
L0.5	6	L0.5 - 5 7/12	222	0.473	1.541	0.455	0.768
O1	6	O1 - 5 7/12	244	0.410	1.812	0.547	0.880
L0	6	L0 - 5 7/12	245	0.578	1.679	0.516	0.881
O2	6	O2 - 5 7/12	254	0.737	1.794	0.557	0.974
O4	6	O4 - 15 7/12	258	(0.360)	2.057	0.752	1.004
O3	6	O3 - 15 5/12	269	(0.802)	2.098	0.891	1.135
H0.50	5	H0.50 - 15 5/12	305	(1.309)	2.166	1.141	1.428
GM1.0	5	GM1.0 - 15 5/12	331	(1.496)	2.171	1.238	1.552
H1.00	5	H1.00 - 15 5/12	337	(1.514)	2.184	1.257	1.576
GM1.5	5	GM1.5 - 15 5/12	356	(1.653)	2.180	1.331	1.674
H1.50	5	H1.50 - 15 5/12	386	(1.745)	2.212	1.409	1.776
GM2.0	5	GM2.0 - 15 5/12	392	(1.779)	2.215	1.433	1.807
GM2.5	5	GM2.5 - 15 5/12	428	(1.977)	2.239	1.578	2.004
H2.00	5	H2.00 - 15 5/12	433	(1.970)	2.251	1.583	2.009
GM3.0	5	GM3.0 - 15 5/12	466	(2.079)	2.264	1.669	2.126
H2.50	5	H2.50 - 15 5/12	500	(2.154)	2.297	1.749	2.234
GM3.5	5	GM3.5 - 15 5/12	504	(2.171)	2.296	1.763	2.250
GM4.0	5	GM4.0 - 15 5/12	535	(2.234)	2.329	1.837	2.346
L2.5	5	L2.5 - 15 5/12	556	(2.287)	2.331	1.878	2.409
H3.00	5	H3.00 - 15 5/12	558	(2.281)	2.343	1.885	2.413
GM4.5	5	GM4.5 - 15 5/12	574	(2.309)	2.361	1.923	2.459

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
C392.10 - Trans Eq - Autos

Lease Period (Years)	C392.11 - Trans Eq- Lease Autos (SL)	Weighted Lease Periods		
(A)	(B)	(C)		
1	\$ 1,325,805.50	1,325,805.50	(C) Weighted Lease Periods	71,699,714.04
2	1,696,411.49	3,392,822.98	÷ (B) C392.11 - Trans Eq- Lease Autos (SL)	\$ 20,730,792.88
3	9,953,744.84	29,861,234.52	= (D) Weighted-Average Lease Period	<u>3 1/2</u>
4	1,654,304.21	6,617,216.84		
5	6,100,526.84	30,502,634.20		
	<u>\$ 20,730,792.88</u>	<u>71,699,714.04</u>		



SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
C392.20-Transprtn Eq-Trailer

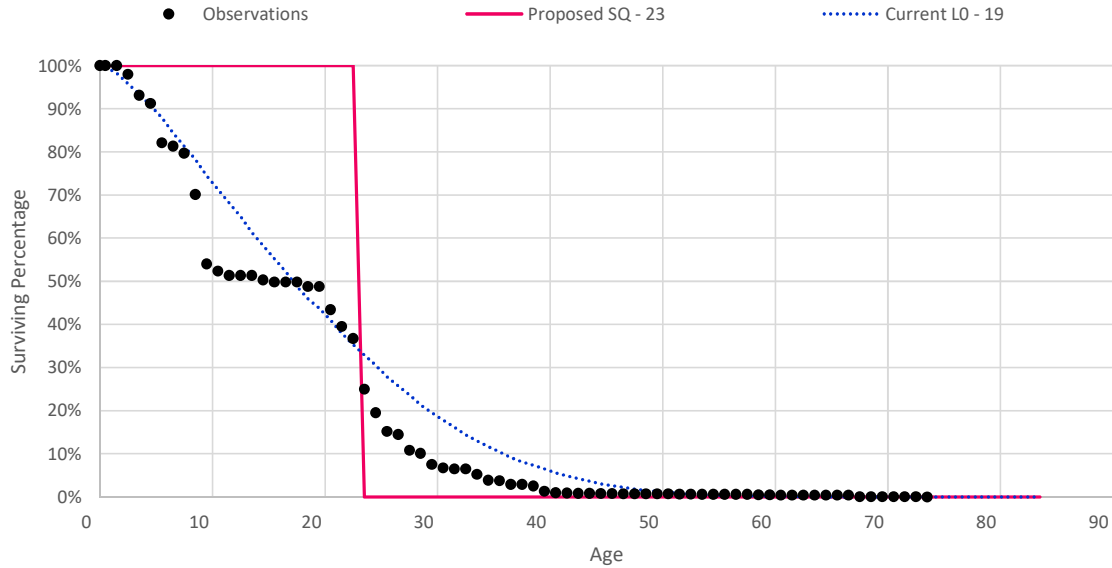


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O4		33	O4 - 13 1/12	1	0.096	2.872	0.260	0.817
O3		30	O3 - 12 11/12	19	0.484	3.307	0.395	1.314
O2		38	O2 - 12 5/12	42	0.863	5.387	0.833	2.559
H0.50		37	H0.50 - 12 5/12	45	0.810	5.379	0.843	2.563
L0		40	L0 - 12 5/12	88	0.809	5.939	1.035	3.154
GM1.0		37	GM1.0 - 12 5/12	98	0.808	5.979	1.045	3.190
H1.00		37	H1.00 - 12 5/12	122	0.808	6.136	1.096	3.334
O1		27	O1 - 13 1/2	138	(0.275)	6.142	1.138	3.367
GM1.5		37	GM1.5 - 12 5/12	164	0.807	6.497	1.241	3.805
L0.5		38	L0.5 - 12 5/12	182	0.807	6.482	1.251	3.857
S-.5		30	S-.5 - 12 11/12	210	0.312	6.843	1.391	4.206
R0.5		30	R0.5 - 12 11/12	223	0.311	6.952	1.418	4.271
H1.50		37	H1.50 - 12 5/12	244	0.804	6.979	1.430	4.392
L1		40	L1 - 12 5/12	266	0.806	7.027	1.489	4.637
GM2.0		29	GM2.0 - 12 11/12	267	0.312	7.096	1.502	4.639
S0		30	S0 - 12 11/12	319	0.314	7.468	1.674	5.174
R1		30	R1 - 12 11/12	336	0.310	7.685	1.741	5.337
L1.5		36	L1.5 - 12 5/12	347	0.805	7.525	1.723	5.427
H2.00		39	H2.00 - 12 5/12	371	0.800	7.803	1.812	5.637
GM2.5		39	GM2.5 - 12 5/12	393	0.799	7.866	1.840	5.714
S0.5		40	S0.5 - 12 5/12	427	0.800	7.981	1.906	5.934
R1.5		32	R1.5 - 12 11/12	466	0.312	8.236	2.011	6.236
L2		30	L2 - 12 5/12	475	0.804	8.028	1.983	6.301
GM3.0		39	GM3.0 - 12 5/12	499	0.795	8.332	2.075	6.485
S1		30	S1 - 12 5/12	533	0.796	8.433	2.150	6.761
H2.50		232	H2.50 - 11 1/6	539	2.055	8.630	2.196	6.845
L2.5		232	L2.5 - 11 1/6	625	2.067	8.625	2.235	7.055

San Diego Gas & Electric Company
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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2	48	R2 - 12 5/12	706	0.786	8.802	2.309	7.206
GM3.5	232	GM3.5 - 11 1/6	760	2.050	8.905	2.347	7.309
S1.5	239	S1.5 - 11 1/6	837	2.055	8.907	2.365	7.415
H3.00	250	H3.00 - 11 1/6	1,096	2.055	9.150	2.494	7.844
L3	251	L3 - 11 1/6	1,166	2.068	9.064	2.492	7.910
R2.5	52	R2.5 - 11 1/6	1,211	2.045	9.274	2.547	7.945
GM4.0	213	GM4.0 - 10	1,377	3.271	9.407	2.603	8.069
S2	214	S2 - 10	1,446	3.275	9.349	2.603	8.134
L3.5	32	L3.5 - 9 5/12	1,835	3.807	9.638	2.760	8.663
S2.5	35	S2.5 - 9 5/12	1,836	3.804	9.669	2.773	8.663
R3	38	R3 - 9 7/12	1,887	3.637	9.712	2.803	8.722
GM4.5	37	GM4.5 - 9 7/12	1,954	3.636	9.765	2.837	8.832
H4.00	26	H4.00 - 9 2/3	2,094	3.553	9.874	2.914	9.164
S3	27	S3 - 9 2/3	2,124	3.553	9.893	2.933	9.235
R3.5	24	R3.5 - 9 3/4	2,158	3.468	9.986	2.967	9.287
L4	23	L4 - 9 5/6	2,229	3.395	10.021	3.003	9.488
GM5.0	22	GM5.0 - 9 5/6	2,287	3.380	10.181	3.079	9.652
S3.5	22	S3.5 - 9 5/6	2,328	3.390	10.151	3.097	9.782
R4	23	R4 - 9 5/6	2,367	3.381	10.260	3.148	9.900
H5.00	22	H5.00 - 9 5/6	2,390	3.389	10.239	3.153	9.968
S4	23	S4 - 5 7/12	2,470	7.651	10.716	3.416	10.317
L5	23	L5 - 5 7/12	2,504	7.656	10.790	3.459	10.502
R5	23	R5 - 5 7/12	2,553	7.655	10.920	3.541	10.799
S5	35	S5 - 5 7/12	2,577	7.656	10.943	3.585	10.976
GM5.5	20	GM5.5 - 5 5/12	2,596	7.784	10.974	3.613	11.087
S6	202	S6 - 1	2,748	12.225	12.545	4.943	15.047
SQ	205	SQ - 1	2,748	12.225	12.545	4.943	15.047

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
C393.10-Stores Equip-Other

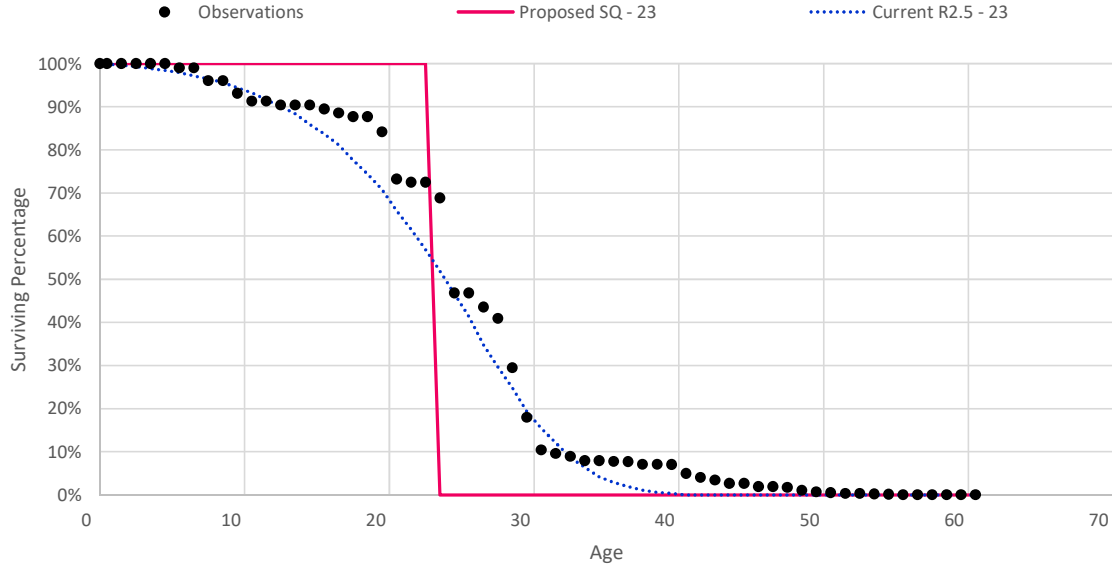


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
H0.50	23	H0.50 - 16 11/12	1	(0.598)	2.409	0.166	0.448
O1	30	O1 - 16	4	0.328	2.067	0.143	0.458
L0	32	L0 - 16 7/12	8	(0.243)	1.998	0.152	0.483
O2	30	O2 - 17 1/12	9	(0.685)	2.641	0.184	0.486
GM1.0	29	GM1.0 - 16 7/12	23	(0.244)	2.031	0.160	0.519
H1.00	29	H1.00 - 16 7/12	35	(0.245)	1.964	0.162	0.546
L0.5	30	L0.5 - 16 7/12	53	(0.245)	1.956	0.183	0.633
GM1.5	29	GM1.5 - 16 7/12	57	(0.246)	1.935	0.187	0.655
S-.5	30	S-.5 - 16	62	0.328	2.227	0.197	0.667
R0.5	30	R0.5 - 16	87	0.326	2.356	0.216	0.738
O3	30	O3 - 19 1/4	105	(2.675)	5.471	0.524	0.784
H1.50	29	H1.50 - 16 7/12	127	(0.248)	2.150	0.235	0.850
L1	30	L1 - 16 7/12	130	(0.246)	2.260	0.245	0.857
GM2.0	29	GM2.0 - 16 7/12	153	(0.250)	2.303	0.251	0.909
S0	30	S0 - 16	173	0.328	2.884	0.301	0.995
R1	30	R1 - 16	203	0.325	3.129	0.353	1.173
L1.5	30	L1.5 - 16 7/12	218	(0.244)	2.832	0.367	1.277
GM2.5	29	GM2.5 - 16 7/12	228	(0.251)	3.103	0.389	1.366
H2.00	29	H2.00 - 16 7/12	234	(0.250)	3.077	0.394	1.393
S0.5	30	S0.5 - 16 7/12	235	(0.252)	3.223	0.403	1.394
O4	36	O4 - 21 1/2	267	(4.634)	8.398	1.092	1.472
R1.5	32	R1.5 - 16 7/12	310	(0.256)	3.569	0.485	1.675
GM3.0	31	GM3.0 - 16 7/12	325	(0.253)	3.694	0.519	1.778
L2	30	L2 - 16	326	0.334	3.745	0.542	1.785
S1	30	S1 - 16 7/12	342	(0.251)	3.844	0.552	1.866
H2.50	31	H2.50 - 16 7/12	380	(0.250)	4.002	0.621	2.128
R2	32	R2 - 16 7/12	398	(0.257)	4.267	0.681	2.290

San Diego Gas & Electric Company
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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.5	31	GM3.5 - 16 7/12	409	(0.255)	4.350	0.703	2.359
S1.5	32	S1.5 - 16 7/12	424	(0.251)	4.399	0.726	2.439
L2.5	31	L2.5 - 16	425	0.336	4.386	0.739	2.440
H3.00	31	H3.00 - 16 7/12	474	(0.250)	4.777	0.874	2.949
R2.5	32	R2.5 - 16 5/6	482	(0.515)	4.822	0.889	3.008
GM4.0	31	GM4.0 - 16 5/6	488	(0.514)	4.877	0.905	3.040
S2	32	S2 - 16 7/12	503	(0.250)	4.956	0.928	3.097
L3	32	L3 - 16	526	0.338	5.029	0.970	3.209
S2.5	31	S2.5 - 16 5/6	565	(0.500)	5.343	1.112	3.770
R3	32	R3 - 16 5/6	575	(0.516)	5.453	1.145	3.840
GM4.5	31	GM4.5 - 16 5/6	591	(0.517)	5.536	1.182	3.953
L3.5	31	L3.5 - 16 5/12	613	(0.083)	5.546	1.209	4.092
H4.00	31	H4.00 - 16 5/6	657	(0.500)	5.773	1.317	4.478
S3	32	S3 - 16 5/6	663	(0.500)	5.804	1.330	4.511
R3.5	31	R3.5 - 16 5/6	692	(0.516)	5.925	1.376	4.627
GM5.0	31	GM5.0 - 16 5/6	736	(0.520)	6.215	1.527	5.132
L4	21	L4 - 14 5/6	747	1.510	6.472	1.646	5.209
R4	32	R4 - 16 5/6	772	(0.516)	6.409	1.633	5.503
S3.5	20	S3.5 - 14 5/6	787	1.501	6.660	1.767	5.597
H5.00	20	H5.00 - 14 5/6	809	1.502	6.794	1.851	5.887
S4	21	S4 - 14 5/6	847	1.503	7.086	2.040	6.542
L5	21	L5 - 14 5/6	865	1.511	7.294	2.154	6.961
R5	21	R5 - 18 3/4	888	(2.389)	7.226	2.182	7.617
S5	6	S5 - 18 3/4	907	(2.381)	7.424	2.326	8.129
GM5.5	14	GM5.5 - 19 1/4	911	(2.946)	7.519	2.377	8.225
S6	6	S6 - 18 3/4	927	(2.376)	8.075	2.724	9.357
SQ	9	SQ - 18 3/4	945	(2.672)	9.262	3.543	11.815

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
C394.11-Portable Tools-Other

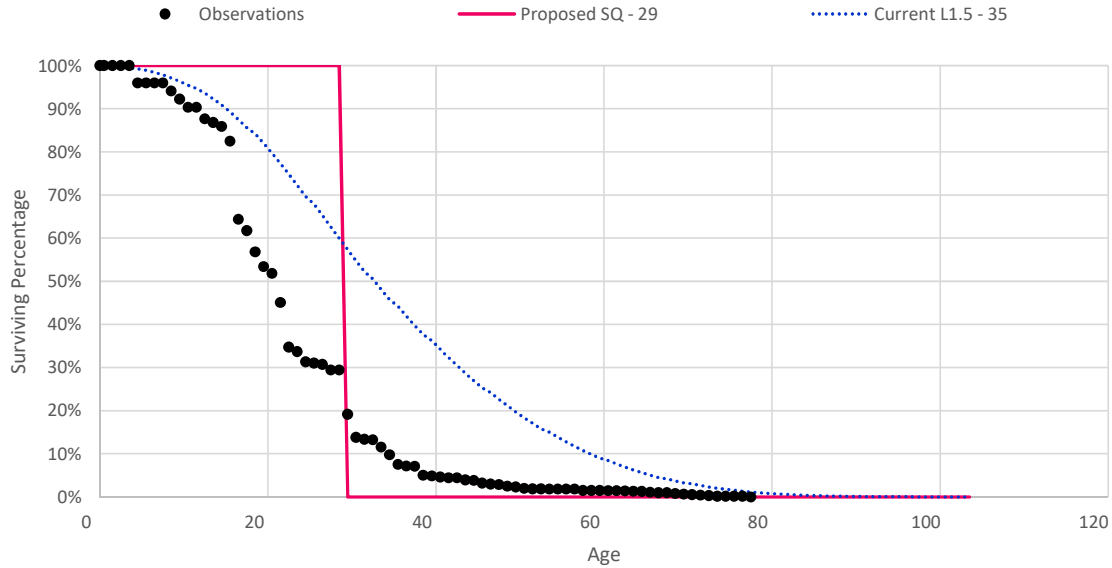


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.	
R3		29	R3 - 24 11/12	1	(0.147)	1.682	0.092	0.159
R3.5		28	R3.5 - 24 11/12	3	(0.147)	1.684	0.087	0.165
GM4.5		28	GM4.5 - 24 1/6	5	0.558	1.628	0.083	0.165
H4.00		26	H4.00 - 25 1/12	15	(0.388)	1.778	0.097	0.187
S2.5		26	S2.5 - 25 1/12	22	(0.387)	1.815	0.107	0.197
S3		27	S3 - 25 1/12	24	(0.388)	1.861	0.105	0.201
L3.5		26	L3.5 - 25 5/6	25	(1.085)	1.690	0.112	0.202
R2.5		30	R2.5 - 24 1/6	31	0.561	1.716	0.100	0.206
GM5.0		28	GM5.0 - 24 11/12	38	(0.150)	1.863	0.107	0.209
GM4.0		28	GM4.0 - 24 11/12	45	(0.145)	1.902	0.134	0.223
H3.00		26	H3.00 - 25 1/12	58	(0.387)	1.809	0.135	0.241
R4		29	R4 - 24 11/12	60	(0.148)	2.015	0.122	0.245
S3.5		30	S3.5 - 25 1/4	63	(0.521)	2.031	0.121	0.246
S2		27	S2 - 25 1/12	71	(0.387)	1.966	0.142	0.253
L4		27	L4 - 25 1/12	80	(0.378)	1.973	0.116	0.262
H5.00		30	H5.00 - 25 1/4	89	(0.521)	2.146	0.134	0.278
L3		31	L3 - 26 1/6	95	(1.418)	2.121	0.181	0.283
R2		32	R2 - 24 1/4	127	0.485	2.185	0.178	0.328
GM3.5		28	GM3.5 - 24 11/12	131	(0.141)	2.186	0.198	0.338
S1.5		27	S1.5 - 25 1/12	139	(0.387)	2.159	0.198	0.343
S4		31	S4 - 25 1/4	175	(0.522)	2.419	0.176	0.378
H2.50		26	H2.50 - 25 1/12	192	(0.387)	2.216	0.227	0.396
L2.5		26	L2.5 - 26	198	(1.237)	2.636	0.252	0.416
S1		27	S1 - 25 1/12	232	(0.387)	2.597	0.295	0.502
GM3.0		26	GM3.0 - 25 1/12	234	(0.390)	2.659	0.304	0.506
R1.5		31	R1.5 - 24 1/4	249	0.489	2.885	0.294	0.532
L5		27	L5 - 25 1/12	275	(0.382)	2.767	0.239	0.575

San Diego Gas & Electric Company
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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2	27	L2 - 26 5/6	290	(2.072)	3.727	0.444	0.633
R5	31	R5 - 25 1/4	304	(0.544)	3.164	0.291	0.686
H2.00	26	H2.00 - 25 1/12	307	(0.385)	3.463	0.402	0.697
S0.5	27	S0.5 - 25 1/12	308	(0.387)	3.312	0.419	0.701
GM2.5	26	GM2.5 - 25 1/12	312	(0.389)	3.415	0.415	0.705
R1	31	R1 - 24 1/4	363	0.489	3.795	0.473	0.836
L1.5	27	L1.5 - 26 5/6	377	(2.059)	4.505	0.601	0.869
S0	27	S0 - 25 1/12	414	(0.387)	4.228	0.591	0.975
GM5.5	30	GM5.5 - 25 1/4	426	(0.567)	3.633	0.405	1.014
GM2.0	26	GM2.0 - 25 1/12	452	(0.386)	4.740	0.629	1.074
S5	6	S5 - 24 1/12	464	0.666	3.709	0.465	1.132
H1.50	26	H1.50 - 25 5/6	470	(1.061)	5.401	0.731	1.167
L1	27	L1 - 26 5/6	484	(2.045)	5.551	0.811	1.200
R0.5	31	R0.5 - 24 1/4	507	0.493	5.035	0.736	1.296
S-.5	27	S-.5 - 25 1/12	531	(0.387)	5.461	0.847	1.377
GM1.5	30	GM1.5 - 26 1/6	557	(1.317)	6.342	0.928	1.477
L0.5	27	L0.5 - 26 5/6	569	(1.943)	6.572	1.004	1.521
H1.00	30	H1.00 - 26 1/6	592	(1.261)	7.036	1.086	1.740
GM1.0	26	GM1.0 - 26 5/6	612	(1.809)	7.515	1.203	1.846
O1	31	O1 - 25 1/12	622	(0.387)	6.722	1.181	1.901
L0	27	L0 - 26 5/6	634	(1.841)	7.594	1.244	1.925
S6	202	S6 - 24 1/12	652	0.646	4.408	0.743	1.984
O2	29	O2 - 26 5/6	669	(1.391)	8.346	1.389	2.245
H0.50	28	H0.50 - 26 5/6	691	(1.595)	8.468	1.460	2.316
O3	27	O3 - 34 5/12	809	(4.116)	11.878	2.628	3.666
O4	29	O4 - 43 1/12	841	(5.310)	13.538	3.411	4.554
SQ	205	SQ - 24 1/4	851	(0.251)	5.907	1.533	4.591

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
C394.21-Shop Equip - Other

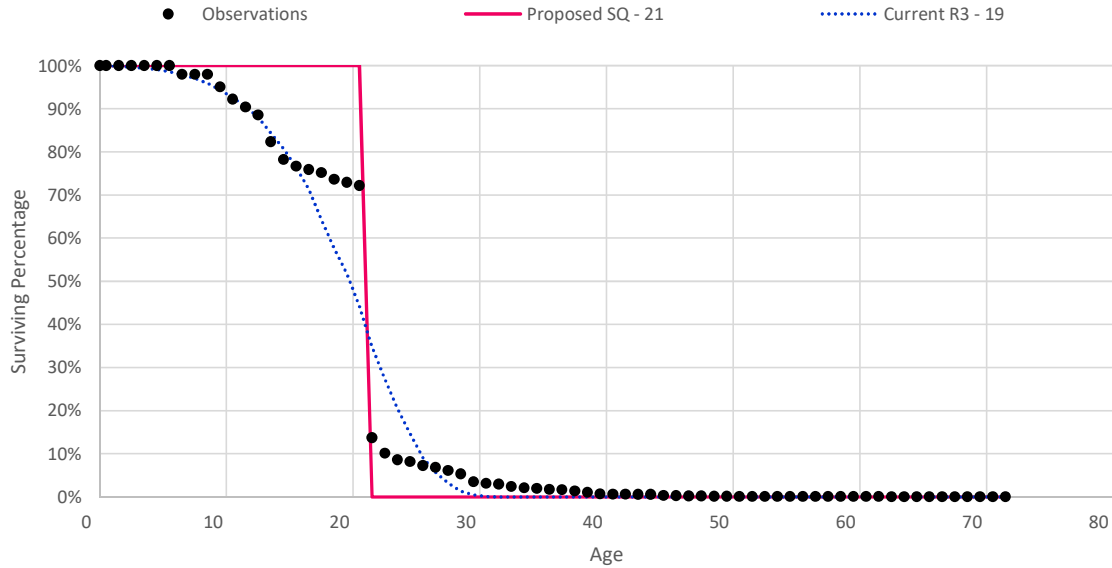


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2	27	L2 - 21 7/12	1	0.512	1.392	0.053	0.114
L2.5	26	L2.5 - 21 5/12	4	0.697	1.602	0.057	0.137
L1.5	33	L1.5 - 21 7/12	7	0.507	1.678	0.088	0.175
S1	15	S1 - 20 5/12	18	1.669	2.191	0.115	0.216
H2.50	14	H2.50 - 20 5/12	19	1.669	2.108	0.109	0.221
H2.00	14	H2.00 - 20 5/12	20	1.668	1.977	0.109	0.222
GM3.0	14	GM3.0 - 20 5/12	21	1.667	2.238	0.114	0.223
S0.5	15	S0.5 - 20 5/12	23	1.669	2.161	0.119	0.229
GM2.5	14	GM2.5 - 20 5/12	26	1.668	2.083	0.115	0.230
L3	30	L3 - 21 5/12	43	0.699	2.143	0.105	0.257
S1.5	15	S1.5 - 20 5/12	47	1.669	2.364	0.137	0.267
R1.5	15	R1.5 - 20 1/4	54	1.824	2.630	0.143	0.283
GM3.5	14	GM3.5 - 20 5/12	62	1.665	2.489	0.153	0.307
S0	15	S0 - 20 5/12	65	1.668	2.366	0.162	0.319
L1	32	L1 - 21 7/12	66	0.503	2.274	0.166	0.322
GM2.0	29	GM2.0 - 20 5/6	74	1.229	2.293	0.165	0.338
R2	15	R2 - 20 1/4	75	1.819	2.676	0.169	0.338
R1	15	R1 - 20 1/4	79	1.825	2.691	0.169	0.339
H3.00	14	H3.00 - 20 5/12	88	1.669	2.531	0.167	0.355
H1.50	29	H1.50 - 21	92	1.086	2.350	0.179	0.361
S2	15	S2 - 20 5/12	108	1.670	2.716	0.192	0.395
L0.5	36	L0.5 - 21 5/6	120	0.247	2.975	0.262	0.488
GM1.5	31	GM1.5 - 21 7/12	122	0.500	2.934	0.259	0.492
R2.5	15	R2.5 - 20 1/4	123	1.821	2.801	0.227	0.493
GM4.0	14	GM4.0 - 20 1/4	132	1.820	2.848	0.236	0.501
R0.5	15	R0.5 - 20 1/4	141	1.833	2.959	0.254	0.510
S-.5	15	S-.5 - 20 5/12	147	1.669	3.009	0.260	0.516

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L3.5	29	L3.5 - 21	158	1.099	2.965	0.218	0.536
S2.5	14	S2.5 - 20 5/12	172	1.669	3.088	0.261	0.576
H1.00	31	H1.00 - 21 7/12	184	0.498	3.459	0.344	0.646
GM1.0	35	GM1.0 - 21 5/6	192	0.247	3.695	0.376	0.691
L0	227	L0 - 22 1/6	209	(0.094)	3.899	0.405	0.724
R3	15	R3 - 20 1/4	243	1.823	3.293	0.332	0.767
H4.00	14	H4.00 - 20 5/12	260	1.669	3.512	0.349	0.820
O1	15	O1 - 20 1/4	263	1.841	3.872	0.420	0.825
S3	15	S3 - 20 5/12	267	1.669	3.555	0.358	0.828
GM4.5	14	GM4.5 - 20 1/4	272	1.822	3.389	0.357	0.834
O2	226	O2 - 22 1/6	308	(0.001)	4.720	0.529	0.949
L4	32	L4 - 21	325	1.096	3.775	0.378	0.965
H0.50	225	H0.50 - 22 1/6	331	(0.089)	4.665	0.545	0.971
R3.5	14	R3.5 - 20 1/4	428	1.828	3.744	0.434	1.069
S3.5	31	S3.5 - 21	495	1.085	4.101	0.464	1.180
H5.00	31	H5.00 - 20 1/2	568	1.584	4.262	0.526	1.318
GM5.0	14	GM5.0 - 20 1/4	586	1.828	4.099	0.532	1.358
R4	15	R4 - 20 1/4	626	1.833	4.313	0.570	1.466
S4	32	S4 - 20 1/2	677	1.584	4.659	0.640	1.654
L5	32	L5 - 20 1/2	741	1.593	4.979	0.710	1.904
O3	30	O3 - 25 1/12	785	(2.300)	8.892	1.305	2.079
R5	30	R5 - 19 5/6	874	2.281	5.444	0.908	2.469
GM5.5	29	GM5.5 - 19 5/6	972	2.273	5.793	1.059	2.978
O4	12	O4 - 39 7/12	1,043	(9.820)	14.497	3.090	3.767
S5	6	S5 - 24 1/6	1,100	(2.099)	6.378	1.465	4.787
S6	202	S6 - 24 1/6	1,114	(2.079)	7.097	1.902	6.206
SQ	205	SQ - 24 1/4	1,176	(2.907)	8.768	3.235	10.230

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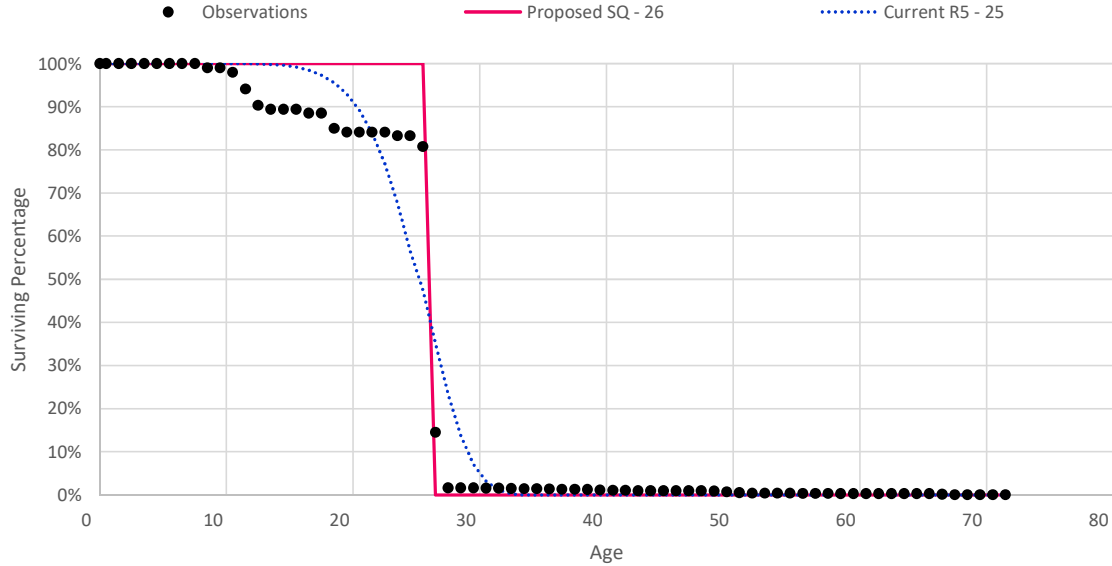


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R3.5	26	R3.5 - 20 1/3	1	(1.010)	2.147	0.312	0.499
R3	28	R3 - 20 1/3	4	(1.003)	2.172	0.359	0.520
GM4.5	26	GM4.5 - 20 1/3	6	(1.004)	2.204	0.365	0.524
GM5.0	26	GM5.0 - 20 1/3	7	(1.016)	2.257	0.322	0.525
R4	27	R4 - 20 1/3	13	(1.017)	2.279	0.297	0.539
R2.5	27	R2.5 - 20 1/3	17	(0.999)	2.302	0.424	0.583
GM4.0	26	GM4.0 - 20 1/3	20	(0.997)	2.308	0.430	0.599
H4.00	28	H4.00 - 20 1/3	28	(0.995)	2.308	0.322	0.623
S3	29	S3 - 20 1/3	30	(0.993)	2.378	0.331	0.636
S2.5	28	S2.5 - 20 1/3	31	(0.991)	2.373	0.357	0.639
S3.5	28	S3.5 - 20 1/3	38	(1.000)	2.355	0.308	0.664
H5.00	28	H5.00 - 20 1/3	50	(1.002)	2.391	0.309	0.692
H3.00	28	H3.00 - 20 1/3	52	(0.990)	2.407	0.409	0.695
S2	29	S2 - 20 1/3	53	(0.989)	2.466	0.410	0.696
R2	27	R2 - 20 1/6	68	(0.831)	2.795	0.508	0.725
L3.5	33	L3.5 - 21 7/12	71	(2.221)	2.951	0.464	0.727
GM3.5	28	GM3.5 - 20 1/3	82	(0.993)	2.686	0.503	0.737
L4	29	L4 - 20 1/3	93	(0.992)	2.345	0.305	0.744
S4	29	S4 - 20 1/3	123	(1.007)	2.488	0.321	0.777
S1.5	29	S1.5 - 20 1/3	129	(0.989)	2.639	0.481	0.790
L3	34	L3 - 21 7/12	146	(2.219)	3.288	0.536	0.824
R5	30	R5 - 20 1/3	166	(1.031)	2.588	0.325	0.850
H2.50	28	H2.50 - 20 1/3	172	(0.989)	2.947	0.517	0.857
L5	32	L5 - 20 1/3	196	(1.011)	2.428	0.316	0.901
GM5.5	26	GM5.5 - 20 1/3	198	(1.050)	2.609	0.334	0.905
L2.5	33	L2.5 - 21 11/12	203	(2.558)	3.673	0.662	0.913
R1.5	27	R1.5 - 20 1/6	212	(0.824)	3.557	0.641	0.929

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.0	28	GM3.0 - 20 1/3	215	(0.990)	3.357	0.602	0.934
S1	29	S1 - 20 1/3	224	(0.988)	3.218	0.585	0.945
S5	42	S5 - 20 1/3	291	(1.029)	2.697	0.363	1.072
L2	34	L2 - 21 11/12	297	(2.560)	4.080	0.786	1.106
S0.5	29	S0.5 - 20 1/3	312	(0.988)	3.947	0.714	1.141
H2.00	25	H2.00 - 21 1/4	320	(1.910)	4.407	0.835	1.152
GM2.5	28	GM2.5 - 20 1/3	322	(0.988)	4.048	0.709	1.153
R1	27	R1 - 20 1/6	358	(0.820)	4.428	0.828	1.224
L1.5	34	L1.5 - 21 11/12	383	(2.564)	4.917	0.931	1.314
S0	29	S0 - 20 1/3	425	(0.987)	4.707	0.881	1.402
GM2.0	25	GM2.0 - 21 1/4	460	(1.911)	5.498	1.055	1.510
H1.50	33	H1.50 - 21 7/12	490	(2.235)	5.898	1.118	1.583
L1	35	L1 - 21 11/12	506	(2.569)	5.826	1.119	1.609
R0.5	27	R0.5 - 20 1/6	531	(0.816)	5.544	1.072	1.671
S-.5	27	S-.5 - 20 1/3	563	(0.983)	5.731	1.123	1.781
S6	202	S6 - 19 7/12	585	(0.228)	3.039	0.539	1.866
GM1.5	31	GM1.5 - 21 11/12	586	(2.572)	6.788	1.293	1.874
L0.5	34	L0.5 - 22 1/3	606	(2.988)	6.941	1.355	1.915
H1.00	31	H1.00 - 21 11/12	635	(2.572)	7.424	1.431	2.119
GM1.0	33	GM1.0 - 22 1/3	655	(2.984)	7.844	1.531	2.218
SQ	205	SQ - 21	656	(1.651)	3.512	0.645	2.219
O1	27	O1 - 20 1/6	675	(0.813)	6.685	1.399	2.259
L0	34	L0 - 22 1/3	682	(2.987)	7.896	1.557	2.293
O2	38	O2 - 22 1/6	716	(2.736)	8.728	1.638	2.591
H0.50	37	H0.50 - 22 1/6	740	(2.811)	8.734	1.703	2.654
O3	18	O3 - 28 1/12	884	(6.970)	13.762	3.013	4.178
O4	12	O4 - 37 1/12	924	(10.511)	17.171	4.462	5.536

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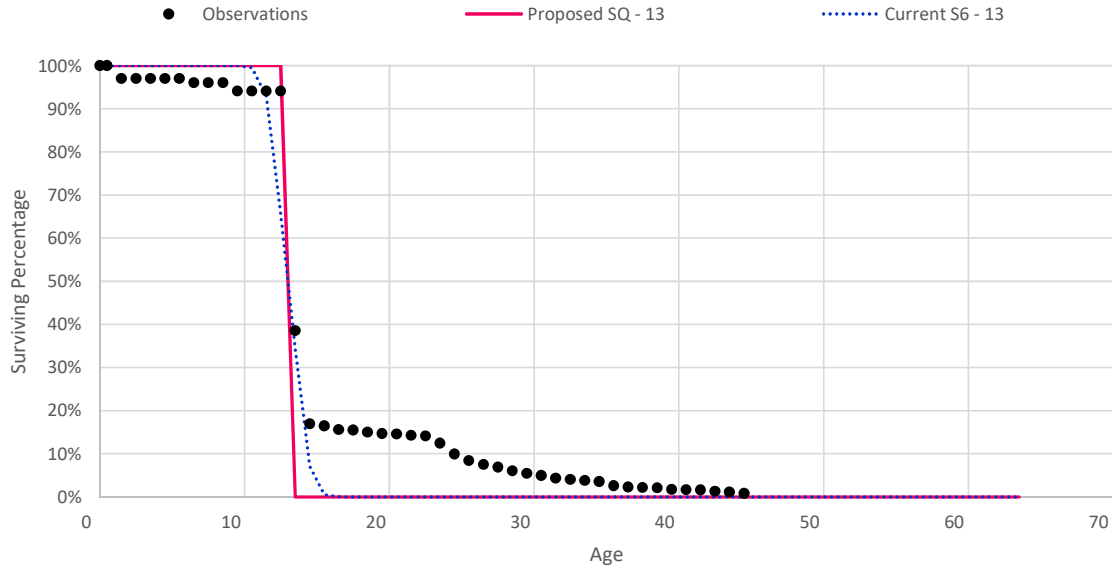


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM5.5	29	GM5.5 - 25 1/3	1	(1.386)	2.667	0.360	0.652
R5	31	R5 - 25 1/3	8	(1.372)	2.901	0.426	0.783
R4	30	R4 - 25 1/3	13	(1.354)	3.061	0.555	0.820
GM5.0	26	GM5.0 - 24 3/4	17	(0.739)	2.849	0.508	0.854
S5	42	S5 - 25 5/6	23	(1.825)	3.124	0.489	0.880
SQ	205	SQ - 26	31	(1.989)	2.921	0.414	0.901
R3.5	26	R3.5 - 24 3/4	38	(0.739)	2.965	0.549	0.923
L5	30	L5 - 25 5/6	42	(1.820)	3.308	0.521	0.942
S4	30	S4 - 25 1/3	49	(1.352)	3.273	0.543	0.971
H5.00	29	H5.00 - 25 1/3	58	(1.346)	3.356	0.584	0.998
S3.5	29	S3.5 - 25 1/3	62	(1.343)	3.394	0.606	1.016
GM4.5	26	GM4.5 - 24 3/4	64	(0.739)	3.211	0.664	1.027
R3	27	R3 - 24 3/4	72	(0.739)	3.271	0.670	1.043
H4.00	29	H4.00 - 25 1/3	92	(1.335)	3.595	0.702	1.110
L4	30	L4 - 25 5/6	97	(1.815)	3.764	0.675	1.116
S3	30	S3 - 25 1/3	103	(1.333)	3.648	0.716	1.131
R2.5	30	R2.5 - 24 3/4	140	(0.738)	3.874	0.821	1.215
GM4.0	29	GM4.0 - 24 3/4	148	(0.739)	3.844	0.834	1.240
S2.5	29	S2.5 - 25 5/6	150	(1.825)	4.086	0.890	1.256
L3.5	33	L3.5 - 25 5/6	164	(1.813)	4.151	0.804	1.296
S2	30	S2 - 25 5/6	197	(1.825)	4.432	1.020	1.407
H3.00	29	H3.00 - 25 5/6	199	(1.825)	4.437	1.024	1.409
R2	30	R2 - 24 3/4	220	(0.739)	4.689	1.030	1.469
GM3.5	29	GM3.5 - 24 3/4	236	(0.739)	4.557	1.006	1.497
L3	29	L3 - 27 1/6	262	(3.143)	5.235	1.162	1.533
S6	202	S6 - 24 1/4	287	(0.335)	2.864	0.558	1.581
S1.5	30	S1.5 - 24 3/4	288	(0.739)	4.566	1.006	1.581

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
H2.50	29	H2.50 - 25 5/6	333	(1.825)	5.301	1.234	1.680
R1.5	30	R1.5 - 24 1/4	358	(0.289)	5.612	1.200	1.779
GM3.0	29	GM3.0 - 24 3/4	365	(0.739)	5.442	1.200	1.794
L2.5	29	L2.5 - 25 5/6	367	(1.814)	5.323	1.170	1.799
S1	30	S1 - 24 3/4	374	(0.739)	5.267	1.187	1.806
S0.5	30	S0.5 - 24 3/4	443	(0.739)	6.172	1.392	2.073
GM2.5	29	GM2.5 - 24 3/4	444	(0.739)	6.305	1.387	2.088
H2.00	29	H2.00 - 25 5/6	447	(1.827)	6.698	1.527	2.096
L2	30	L2 - 25 5/6	449	(1.817)	6.150	1.391	2.098
R1	30	R1 - 24 1/4	487	(0.289)	6.678	1.492	2.180
L1.5	31	L1.5 - 25 5/6	525	(1.821)	7.104	1.604	2.367
S0	30	S0 - 24 3/4	538	(0.739)	7.103	1.644	2.410
GM2.0	29	GM2.0 - 24 3/4	562	(0.738)	7.632	1.694	2.557
H1.50	29	H1.50 - 25 5/6	573	(1.826)	8.364	1.892	2.667
L1	30	L1 - 25 5/6	584	(1.826)	8.158	1.869	2.722
R0.5	30	R0.5 - 24 1/4	594	(0.283)	8.031	1.869	2.755
S-.5	30	S-.5 - 24 3/4	628	(0.737)	8.350	1.990	2.888
GM1.5	29	GM1.5 - 25 5/6	645	(1.815)	9.281	2.095	3.041
L0.5	30	L0.5 - 25 5/6	649	(1.815)	9.268	2.109	3.100
H1.00	29	H1.00 - 25 5/6	680	(1.803)	10.021	2.286	3.335
GM1.0	29	GM1.0 - 25 5/6	695	(1.788)	10.289	2.343	3.463
O1	30	O1 - 24 1/4	697	(0.277)	9.411	2.344	3.473
L0	30	L0 - 25 5/6	717	(1.803)	10.378	2.396	3.557
O2	30	O2 - 28 1/12	744	(3.734)	12.341	2.877	3.917
H0.50	29	H0.50 - 25 5/6	752	(1.722)	11.422	2.650	3.999
O3	26	O3 - 32 3/4	894	(5.454)	16.125	4.097	5.620
O4	34	O4 - 41 2/3	1,033	(7.903)	18.758	5.301	6.841

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Summary Results of Life Analysis
C397.10-Commun Equip -Other

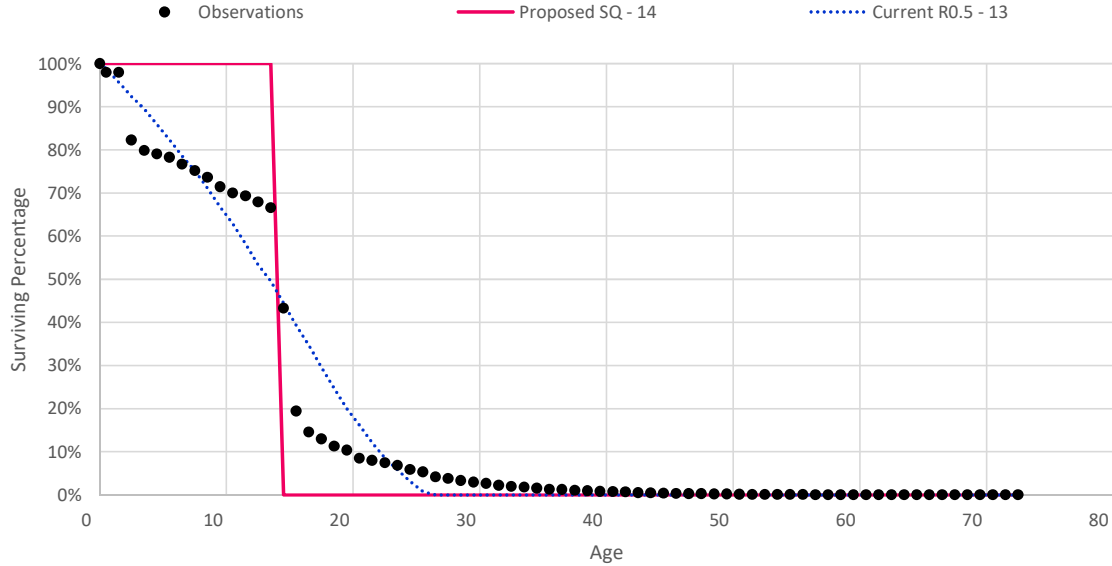


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L5	27	L5 - 13 11/12	1	1.098	2.694	0.261	0.357
GM5.5	20	GM5.5 - 13 1/12	2	1.892	2.820	0.298	0.375
L4	28	L4 - 13 11/12	6	1.093	2.638	0.282	0.409
S5	29	S5 - 13 11/12	7	1.098	2.857	0.300	0.410
R5	21	R5 - 13 1/12	8	1.899	2.895	0.316	0.422
S6	203	S6 - 13	11	1.994	2.977	0.335	0.431
S4	27	S4 - 13 11/12	14	1.089	2.851	0.317	0.439
H5.00	26	H5.00 - 13 11/12	15	1.087	2.857	0.325	0.456
S3.5	26	S3.5 - 13 11/12	20	1.087	2.851	0.330	0.467
L3.5	26	L3.5 - 13 11/12	23	1.093	2.645	0.310	0.480
R4	21	R4 - 13 1/12	31	1.899	2.939	0.350	0.504
H4.00	26	H4.00 - 13 11/12	36	1.085	2.884	0.357	0.519
S3	27	S3 - 13 11/12	41	1.085	2.934	0.368	0.533
GM5.0	20	GM5.0 - 13 1/12	42	1.898	2.991	0.368	0.534
R3.5	20	R3.5 - 13 1/12	48	1.900	2.971	0.369	0.551
L3	27	L3 - 14 11/12	57	0.087	2.713	0.382	0.568
S2.5	26	S2.5 - 13 11/12	66	1.084	2.995	0.395	0.585
R3	27	R3 - 13 11/12	75	1.077	3.089	0.431	0.618
GM4.5	26	GM4.5 - 13 11/12	78	1.076	3.122	0.440	0.626
H3.00	26	H3.00 - 13 11/12	92	1.083	3.035	0.428	0.655
L2.5	26	L2.5 - 15 1/12	95	(0.085)	2.800	0.443	0.661
S2	27	S2 - 13 11/12	99	1.083	3.120	0.440	0.666
R2.5	27	R2.5 - 13 11/12	113	1.077	3.196	0.469	0.688
GM4.0	26	GM4.0 - 13 11/12	119	1.076	3.239	0.480	0.699
S1.5	27	S1.5 - 13 11/12	148	1.082	3.224	0.486	0.751
SQ	205	SQ - 13	152	1.994	3.290	0.438	0.758
GM3.5	26	GM3.5 - 13 11/12	162	1.078	3.342	0.514	0.776

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
H2.50	26	H2.50 - 13 11/12	164	1.082	3.189	0.493	0.781
L2	27	L2 - 15 1/12	174	(0.086)	2.981	0.526	0.802
R2	27	R2 - 13 11/12	175	1.075	3.439	0.540	0.804
S1	27	S1 - 14 1/12	211	0.908	3.427	0.561	0.871
GM3.0	26	GM3.0 - 13 11/12	217	1.080	3.442	0.561	0.879
R1.5	27	R1.5 - 13 11/12	242	1.077	3.662	0.609	0.932
L1.5	27	L1.5 - 15 1/12	248	(0.089)	3.290	0.621	0.958
H2.00	26	H2.00 - 14 11/12	251	0.077	3.434	0.644	0.963
GM2.5	26	GM2.5 - 14 1/12	264	0.907	3.538	0.619	0.988
S0.5	27	S0.5 - 14 1/12	268	0.908	3.625	0.632	0.996
R1	27	R1 - 13 11/12	306	1.076	3.983	0.715	1.113
S0	27	S0 - 14 11/12	319	0.077	3.990	0.786	1.161
L1	24	L1 - 15 1/12	322	(0.092)	3.720	0.746	1.164
GM2.0	23	GM2.0 - 14 11/12	332	0.076	3.861	0.770	1.173
H1.50	23	H1.50 - 14 11/12	339	0.076	3.815	0.768	1.192
GM1.5	23	GM1.5 - 15 1/12	378	(0.094)	4.095	0.845	1.331
L0.5	24	L0.5 - 15 1/12	383	(0.094)	4.064	0.843	1.340
R0.5	27	R0.5 - 13 11/12	390	1.078	4.297	0.844	1.353
S-.5	27	S-.5 - 14 11/12	402	0.078	4.507	0.924	1.384
H1.00	23	H1.00 - 15 1/12	442	(0.096)	4.407	0.928	1.475
GM1.0	23	GM1.0 - 15 1/12	461	(0.096)	4.483	0.946	1.520
L0	24	L0 - 15 1/12	470	(0.095)	4.535	0.968	1.562
O1	24	O1 - 14 11/12	503	0.079	5.166	1.109	1.678
O2	24	O2 - 15 1/12	516	(0.030)	5.033	1.052	1.746
H0.50	23	H0.50 - 15 1/12	524	(0.097)	5.053	1.080	1.771
O3	27	O3 - 19 1/4	571	(3.879)	9.348	1.825	2.624
O4	23	O4 - 21	589	(4.945)	11.507	2.461	3.546

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
C398.10-Misc Equip - Other

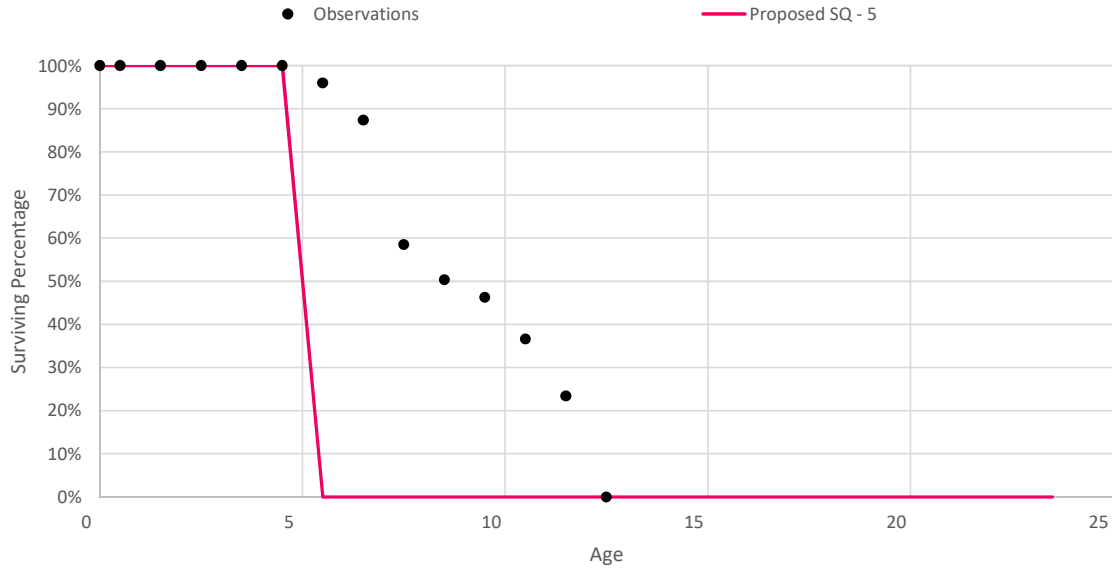


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R1		30	R1 - 13 1/6	1	(0.461)	2.256	0.230	0.492
R0.5		25	R0.5 - 13 1/12	5	(0.378)	2.339	0.257	0.515
R1.5		30	R1.5 - 13 1/6	13	(0.461)	2.253	0.220	0.556
S-.5		24	S-.5 - 13 1/12	22	(0.376)	2.459	0.282	0.600
S0		32	S0 - 13 1/6	27	(0.458)	2.424	0.266	0.637
O1		24	O1 - 13 1/12	36	(0.376)	2.698	0.345	0.657
H1.50		23	H1.50 - 14 2/3	39	(1.951)	2.819	0.395	0.666
GM2.5		29	GM2.5 - 13 3/4	40	(1.028)	2.452	0.280	0.666
H2.00		29	H2.00 - 13 3/4	43	(1.028)	2.371	0.270	0.667
GM1.5		25	GM1.5 - 14 7/12	50	(1.878)	2.925	0.400	0.679
GM2.0		23	GM2.0 - 14 2/3	51	(1.951)	2.847	0.408	0.680
H1.00		25	H1.00 - 14 7/12	52	(1.879)	3.052	0.424	0.684
R2		30	R2 - 13 1/6	60	(0.463)	2.430	0.244	0.700
S0.5		32	S0.5 - 13 1/6	65	(0.458)	2.423	0.260	0.703
GM1.0		25	GM1.0 - 14 7/12	89	(1.879)	3.143	0.431	0.717
GM3.0		31	GM3.0 - 13 1/6	91	(0.460)	2.380	0.248	0.719
L0.5		26	L0.5 - 14 7/12	113	(1.879)	3.022	0.414	0.747
L0		27	L0 - 14 7/12	128	(1.879)	3.246	0.450	0.769
O2		30	O2 - 14 5/12	131	(1.639)	3.389	0.424	0.772
L1		26	L1 - 14 7/12	160	(1.877)	2.944	0.404	0.802
GM3.5		29	GM3.5 - 13 1/6	163	(0.461)	2.516	0.266	0.810
H0.50		25	H0.50 - 14 7/12	173	(1.881)	3.503	0.483	0.821
S1		32	S1 - 13 1/6	179	(0.458)	2.522	0.278	0.832
H2.50		31	H2.50 - 13 1/2	180	(0.785)	2.462	0.275	0.832
L1.5		34	L1.5 - 14 1/12	200	(1.368)	2.634	0.332	0.849
R2.5		30	R2.5 - 13 1/6	207	(0.464)	2.568	0.273	0.864
GM4.0		29	GM4.0 - 13 1/6	237	(0.464)	2.654	0.292	0.921

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1.5	32	S1.5 - 13 1/2	251	(0.785)	2.638	0.311	0.962
L2	34	L2 - 14 1/12	281	(1.366)	2.688	0.346	1.007
H3.00	31	H3.00 - 13 1/2	297	(0.785)	2.669	0.320	1.050
R3	30	R3 - 13 1/6	317	(0.465)	2.821	0.333	1.097
GM4.5	29	GM4.5 - 13 1/6	326	(0.466)	2.867	0.343	1.123
L2.5	31	L2.5 - 14 1/3	336	(1.582)	2.764	0.372	1.146
S2	32	S2 - 13 1/2	337	(0.785)	2.796	0.349	1.146
R3.5	29	R3.5 - 13 1/6	386	(0.466)	3.017	0.386	1.299
S2.5	31	S2.5 - 13 1/2	387	(0.785)	2.901	0.381	1.300
L3	32	L3 - 13 3/4	400	(1.020)	2.834	0.387	1.352
GM5.0	29	GM5.0 - 13 1/6	410	(0.467)	3.164	0.418	1.392
H4.00	31	H4.00 - 13 1/2	426	(0.785)	3.046	0.419	1.463
L3.5	29	L3.5 - 13 3/4	434	(1.021)	2.908	0.412	1.482
S3	32	S3 - 13 1/2	443	(0.785)	3.087	0.431	1.499
R4	30	R4 - 13 1/6	462	(0.466)	3.284	0.460	1.551
O3	34	O3 - 16 3/4	463	(3.837)	6.456	0.933	1.559
S3.5	31	S3.5 - 13 1/2	510	(0.785)	3.262	0.482	1.698
L4	32	L4 - 13 5/6	514	(1.108)	3.141	0.473	1.710
H5.00	31	H5.00 - 13 1/2	540	(0.785)	3.344	0.504	1.777
S4	32	S4 - 13 1/2	582	(0.785)	3.520	0.558	1.961
L5	32	L5 - 13 5/6	616	(1.108)	3.553	0.592	2.135
R5	223	R5 - 13 2/3	622	(0.938)	3.781	0.623	2.161
GM5.5	29	GM5.5 - 13 7/12	656	(0.853)	3.980	0.665	2.248
O4	36	O4 - 19 5/6	717	(6.927)	10.064	1.669	2.469
S5	6	S5 - 13 1/12	755	(0.375)	4.218	0.760	2.584
S6	6	S6 - 13 1/12	838	(0.372)	4.586	0.947	3.207
SQ	9	SQ - 13 5/12	912	(1.276)	5.051	1.163	3.992

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E303- Misc Intangible Pit (SL)

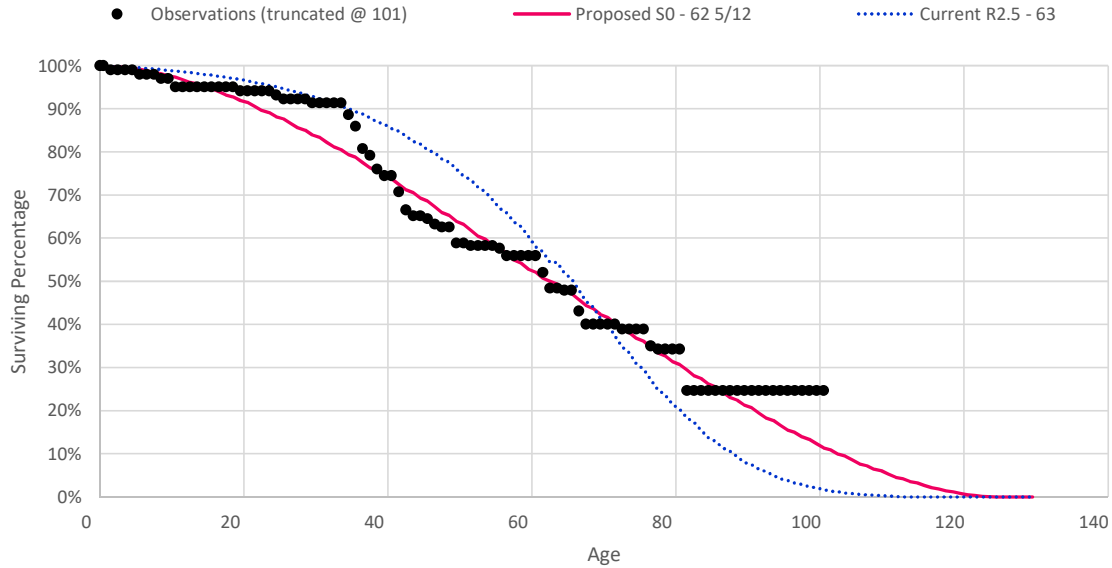


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L3	21	L3 - 9	1	0.147	0.587	0.047	0.105
S2	21	S2 - 8 5/6	2	0.142	0.614	0.043	0.106
L2.5	20	L2.5 - 9 5/12	4	(0.091)	0.634	0.065	0.114
H3.00	20	H3.00 - 8 5/6	5	0.181	0.667	0.048	0.114
S1.5	21	S1.5 - 8 5/6	7	0.193	0.682	0.057	0.114
GM3.5	17	GM3.5 - 8 2/3	19	0.322	0.759	0.063	0.132
H2.50	20	H2.50 - 8 5/6	23	0.273	0.763	0.072	0.136
S2.5	20	S2.5 - 8 5/6	24	0.119	0.599	0.046	0.137
GM4.0	17	GM4.0 - 8 2/3	25	0.272	0.720	0.053	0.141
L2	21	L2 - 9 5/12	30	0.030	0.746	0.091	0.144
R2	21	R2 - 8 2/3	37	0.310	0.808	0.070	0.149
S1	21	S1 - 8 5/6	39	0.245	0.770	0.084	0.151
R2.5	18	R2.5 - 8 2/3	41	0.284	0.768	0.058	0.153
GM3.0	17	GM3.0 - 8 5/6	51	0.269	0.833	0.093	0.169
L3.5	20	L3.5 - 8 5/6	58	0.188	0.615	0.060	0.177
S3	21	S3 - 8 5/6	63	0.096	0.587	0.059	0.195
R3	21	R3 - 8 5/6	66	0.086	0.681	0.061	0.196
R1.5	21	R1.5 - 8 2/3	72	0.387	0.936	0.107	0.202
H4.00	20	H4.00 - 8 5/6	73	0.105	0.609	0.062	0.203
GM4.5	20	GM4.5 - 8 5/6	74	0.081	0.663	0.062	0.203
L1.5	23	L1.5 - 9 1/3	87	0.211	0.917	0.131	0.213
S0.5	18	S0.5 - 8 5/6	93	0.328	0.933	0.124	0.217
H2.00	20	H2.00 - 8 5/6	99	0.425	0.963	0.125	0.221
GM2.5	17	GM2.5 - 8 5/6	103	0.382	0.963	0.128	0.225
R3.5	20	R3.5 - 8 5/6	130	0.081	0.710	0.086	0.287
L4	21	L4 - 9	134	(0.013)	0.715	0.089	0.294
R1	21	R1 - 8 2/3	137	0.464	1.143	0.162	0.296

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S0	18	S0 - 8 5/6	150	0.411	1.128	0.177	0.310
L1	21	L1 - 9 7/12	156	0.199	1.159	0.190	0.319
S3.5	20	S3.5 - 8 5/6	160	0.089	0.724	0.098	0.326
GM2.0	20	GM2.0 - 8 5/6	169	0.558	1.180	0.194	0.343
H1.50	20	H1.50 - 8 5/6	181	0.642	1.205	0.206	0.367
GM5.0	20	GM5.0 - 8 5/6	185	0.075	0.749	0.111	0.371
H5.00	20	H5.00 - 8 5/6	191	0.086	0.784	0.113	0.374
R4	21	R4 - 8 5/6	209	0.077	0.780	0.125	0.417
L0.5	21	L0.5 - 9 7/12	210	0.390	1.329	0.243	0.418
GM1.5	20	GM1.5 - 9 7/12	218	0.379	1.393	0.248	0.430
R0.5	18	R0.5 - 8 2/3	224	0.625	1.383	0.244	0.442
S-.5	18	S-.5 - 8 5/6	234	0.550	1.393	0.254	0.452
S4	21	S4 - 8 5/6	276	0.082	0.929	0.153	0.502
H1.00	20	H1.00 - 9 7/12	282	0.501	1.516	0.291	0.512
GM1.0	20	GM1.0 - 9 7/12	292	0.568	1.515	0.300	0.529
L0	21	L0 - 9 7/12	298	0.581	1.517	0.307	0.542
O1	18	O1 - 8 5/6	339	0.689	1.673	0.350	0.632
O2	21	O2 - 10 1/6	347	0.563	1.729	0.363	0.647
H0.50	22	H0.50 - 10 1/12	349	0.559	1.709	0.366	0.648
L5	21	L5 - 8 5/6	357	0.093	1.069	0.198	0.655
O3	22	O3 - 13 5/12	412	0.508	1.964	0.460	0.819
R5	21	R5 - 8 5/6	434	0.081	1.220	0.264	0.864
O4	28	O4 - 18 1/12	450	0.317	2.088	0.503	0.897
S5	20	S5 - 8 5/6	514	0.086	1.312	0.301	0.988
GM5.5	20	GM5.5 - 8 5/6	562	0.081	1.386	0.345	1.128
S6	134	S6 - 9	667	(0.079)	1.639	0.464	1.536
SQ	202	SQ - 9	745	(0.084)	2.171	0.843	2.685

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E361.00-Struct. and Improv.

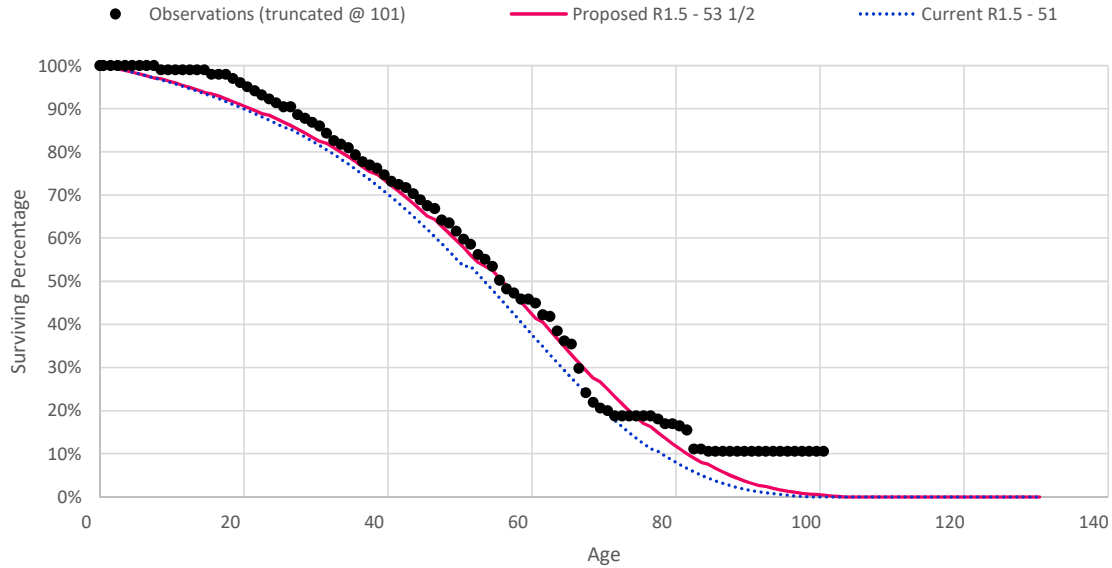


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L1	34	L1 - 65 5/6	1	0.114	2.144	0.083	0.220
S0	33	S0 - 62 5/12	15	0.652	2.497	0.112	0.296
L1.5	217	L1.5 - 65 1/6	17	(0.278)	2.406	0.091	0.299
GM2.0	29	GM2.0 - 63 2/3	37	0.869	2.545	0.123	0.310
H1.50	33	H1.50 - 64 7/12	45	0.870	2.577	0.127	0.315
L0.5	32	L0.5 - 66 7/12	101	0.888	2.752	0.157	0.378
GM1.5	33	GM1.5 - 65 5/6	122	1.272	2.910	0.176	0.409
S0.5	30	S0.5 - 62 11/12	148	(0.241)	2.765	0.133	0.436
GM2.5	29	GM2.5 - 63 1/12	154	0.029	2.746	0.135	0.439
H2.00	29	H2.00 - 63 2/3	161	(0.079)	2.701	0.133	0.447
S-.5	32	S-.5 - 62 5/12	186	1.554	3.227	0.212	0.483
R1	32	R1 - 61 7/12	202	0.806	3.244	0.177	0.502
R0.5	228	R0.5 - 61 1/2	221	1.930	3.514	0.235	0.529
H1.00	31	H1.00 - 65 5/6	316	2.059	3.682	0.276	0.630
GM1.0	35	GM1.0 - 67 1/3	355	1.715	3.865	0.290	0.674
L2	38	L2 - 64 7/12	358	(0.647)	3.664	0.205	0.679
L0	36	L0 - 67 1/3	404	1.808	3.862	0.300	0.710
GM3.0	29	GM3.0 - 62 11/12	470	(0.617)	3.588	0.236	0.812
S1	30	S1 - 62 11/12	491	(0.789)	3.783	0.247	0.834
R1.5	32	R1.5 - 62 1/6	523	(0.165)	3.753	0.257	0.872
O1	40	O1 - 62	585	2.689	4.869	0.448	1.020
O2	30	O2 - 69 7/12	616	2.566	5.043	0.463	1.063
H0.50	31	H0.50 - 69 7/12	638	2.205	5.186	0.469	1.104
H2.50	29	H2.50 - 63 1/12	678	(0.707)	4.322	0.338	1.161
L2.5	30	L2.5 - 63 5/6	775	(0.776)	5.535	0.441	1.467
S1.5	30	S1.5 - 63 1/12	797	(1.234)	5.250	0.457	1.542
GM3.5	29	GM3.5 - 62 11/12	823	(1.273)	5.114	0.462	1.594

San Diego Gas & Electric Company
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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2	30	R2 - 62 1/3	840	(0.846)	4.956	0.470	1.629
O3	29	O3 - 91 1/2	899	1.856	7.062	0.785	1.943
H3.00	31	H3.00 - 62 11/12	945	(1.187)	6.552	0.692	2.334
O4	20	O4 - 117 5/12	965	1.486	7.942	0.979	2.475
S2	32	S2 - 63 2/3	981	(2.092)	6.943	0.749	2.535
L3	31	L3 - 63 2/3	994	(1.278)	7.379	0.784	2.622
R2.5	33	R2.5 - 62 11/12	1,020	(1.579)	6.899	0.807	2.795
GM4.0	31	GM4.0 - 62 11/12	1,030	(1.665)	7.049	0.823	2.820
S2.5	33	S2.5 - 62 11/12	1,080	(1.589)	8.529	1.127	3.762
L3.5	33	L3.5 - 62 11/12	1,108	(1.134)	9.396	1.281	4.284
R3	35	R3 - 62 11/12	1,121	(1.797)	9.016	1.289	4.387
GM4.5	35	GM4.5 - 63 2/3	1,149	(2.521)	9.322	1.360	4.673
H4.00	35	H4.00 - 62 11/12	1,182	(1.673)	10.053	1.557	5.224
S3	36	S3 - 62 11/12	1,191	(1.730)	10.115	1.573	5.257
R3.5	33	R3.5 - 62 11/12	1,238	(1.824)	10.695	1.778	6.022
L4	30	L4 - 62 3/4	1,264	(1.434)	11.376	1.925	6.496
S3.5	29	S3.5 - 62 1/3	1,300	(1.192)	11.940	2.185	7.297
GM5.0	32	GM5.0 - 63 2/3	1,302	(2.562)	11.802	2.141	7.315
R4	28	R4 - 62 3/4	1,358	(1.690)	12.445	2.378	7.995
H5.00	29	H5.00 - 62 1/3	1,361	(1.204)	12.484	2.392	8.006
S4	30	S4 - 62 3/4	1,449	(1.651)	13.603	2.863	9.692
L5	30	L5 - 62 3/4	1,496	(1.615)	14.543	3.213	10.971
R5	26	R5 - 62 1/3	1,549	(1.244)	15.805	3.826	12.932
S5	6	S5 - 62 3/4	1,577	(1.659)	16.400	4.165	14.272
GM5.5	17	GM5.5 - 59 5/12	1,590	1.621	17.188	4.577	15.030
S6	6	S6 - 62 3/4	1,638	(1.667)	18.551	5.302	18.278
SQ	6	SQ - 62 3/4	1,697	(1.892)	22.605	7.786	26.781

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E362.10-Station Equip.-Other

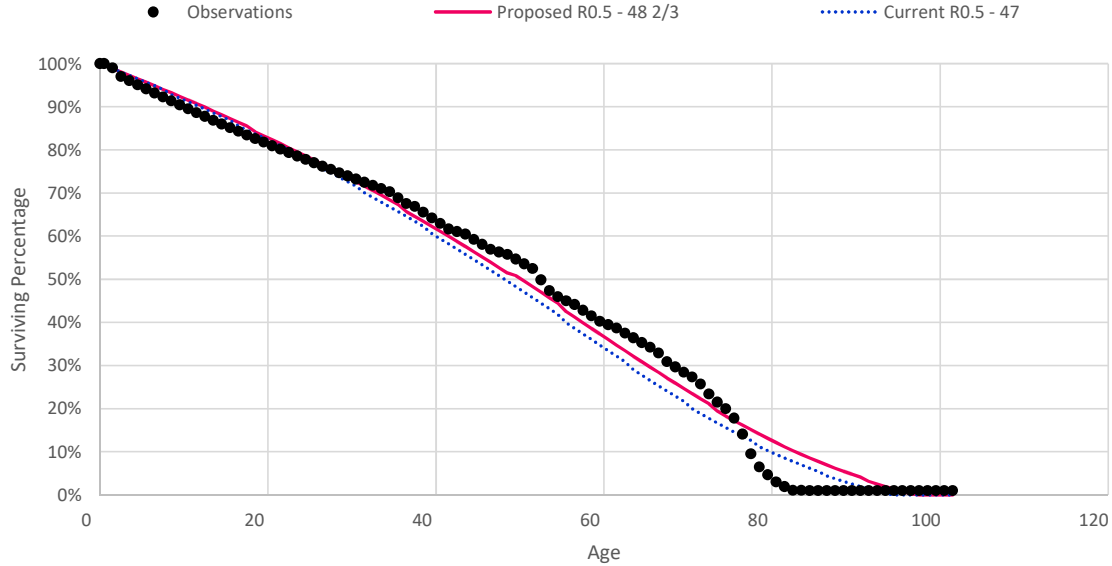


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.0		26	GM3.0 - 54 11/12	1	(0.129)	1.509	0.058	0.096
R1.5		220	R1.5 - 53 1/2	4	1.122	2.010	0.080	0.113
S1		27	S1 - 55 1/12	17	(0.390)	1.979	0.071	0.123
H2.50		26	H2.50 - 55 1/12	30	(0.201)	2.126	0.070	0.139
H2.00		26	H2.00 - 55 1/12	41	0.267	1.896	0.072	0.153
GM2.5		26	GM2.5 - 55 1/12	43	0.043	1.902	0.079	0.155
S0.5		27	S0.5 - 55 1/12	48	(0.240)	1.860	0.086	0.160
R2		219	R2 - 53 1/2	83	1.050	2.592	0.150	0.206
GM3.5		225	GM3.5 - 54 1/4	96	0.337	2.784	0.137	0.214
L2		30	L2 - 57 1/4	152	(1.489)	2.827	0.118	0.244
S1.5		27	S1.5 - 55 1/12	169	(0.442)	3.000	0.133	0.255
L1.5		27	L1.5 - 58	196	(1.585)	2.789	0.173	0.282
R1		217	R1 - 53 1/2	211	1.194	3.107	0.150	0.297
L2.5		23	L2.5 - 56 1/2	320	(1.199)	3.144	0.150	0.390
S0		27	S0 - 55 1/6	323	(0.137)	3.395	0.200	0.393
H3.00		26	H3.00 - 54 11/12	387	(0.242)	3.903	0.227	0.483
GM2.0		23	GM2.0 - 56 1/3	391	(0.337)	4.111	0.265	0.485
R2.5		32	R2.5 - 53 2/3	424	0.892	4.351	0.305	0.544
H1.50		29	H1.50 - 56 1/2	438	0.011	4.452	0.290	0.554
L1		32	L1 - 58	442	(1.082)	4.148	0.312	0.556
GM4.0		31	GM4.0 - 54 1/6	461	0.360	4.479	0.315	0.564
S2		27	S2 - 54 11/12	491	(0.328)	4.403	0.288	0.587
R0.5		31	R0.5 - 53 3/4	636	1.307	5.185	0.382	0.812
L3		32	L3 - 56 1/3	644	(1.400)	4.364	0.301	0.818
GM1.5		31	GM1.5 - 58 1/2	684	(0.593)	5.884	0.505	0.888
S-.5		27	S-.5 - 55 1/4	695	0.158	5.731	0.464	0.895
L0.5		30	L0.5 - 59 11/12	718	(1.509)	5.881	0.556	0.912

San Diego Gas & Electric Company
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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S2.5	29	S2.5 - 54 11/12	786	(0.336)	5.799	0.480	1.059
R3	40	R3 - 53 3/4	835	0.787	6.367	0.581	1.157
H1.00	35	H1.00 - 59	884	(0.343)	7.062	0.692	1.230
GM4.5	29	GM4.5 - 54 1/6	906	0.352	6.591	0.615	1.246
GM1.0	29	GM1.0 - 59 11/12	946	(0.560)	7.348	0.756	1.323
L0	32	L0 - 59 11/12	986	(0.516)	7.427	0.787	1.409
L3.5	26	L3.5 - 55 1/12	1,024	(0.351)	6.372	0.570	1.487
O1	24	O1 - 55 1/2	1,092	0.307	8.218	0.896	1.684
H4.00	29	H4.00 - 54 11/12	1,103	(0.337)	7.201	0.722	1.701
S3	30	S3 - 54 11/12	1,120	(0.345)	7.297	0.745	1.721
O2	60	O2 - 62 7/12	1,153	(0.318)	8.736	1.031	1.815
R3.5	35	R3.5 - 54 7/12	1,223	(0.008)	7.821	0.832	1.907
H0.50	59	H0.50 - 62 7/12	1,231	(0.802)	9.029	1.128	1.915
GM5.0	35	GM5.0 - 54 7/12	1,398	(0.012)	8.760	1.054	2.445
L4	27	L4 - 54 11/12	1,431	(0.311)	8.374	0.965	2.534
S3.5	29	S3.5 - 54 11/12	1,479	(0.347)	8.857	1.091	2.718
R4	36	R4 - 54 7/12	1,511	(0.004)	9.402	1.205	2.891
O3	26	O3 - 82 7/12	1,530	(1.935)	11.503	1.899	2.983
H5.00	29	H5.00 - 54 11/12	1,545	(0.347)	9.352	1.222	3.090
O4	22	O4 - 105 5/6	1,616	(2.552)	12.634	2.336	3.583
S4	36	S4 - 54 11/12	1,669	(0.349)	10.426	1.537	4.019
L5	36	L5 - 54 11/12	1,736	(0.332)	11.298	1.806	5.026
R5	36	R5 - 54 11/12	1,781	(0.372)	12.243	2.171	6.015
S5	6	S5 - 55	1,830	(0.457)	12.866	2.439	7.005
GM5.5	23	GM5.5 - 56 1/3	1,842	(1.830)	13.273	2.563	7.575
S6	6	S6 - 55	1,898	(0.455)	14.722	3.340	10.119
SQ	6	SQ - 55	1,983	(1.422)	18.280	5.470	17.533

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E364.00-Poles, Towers & Fxtr

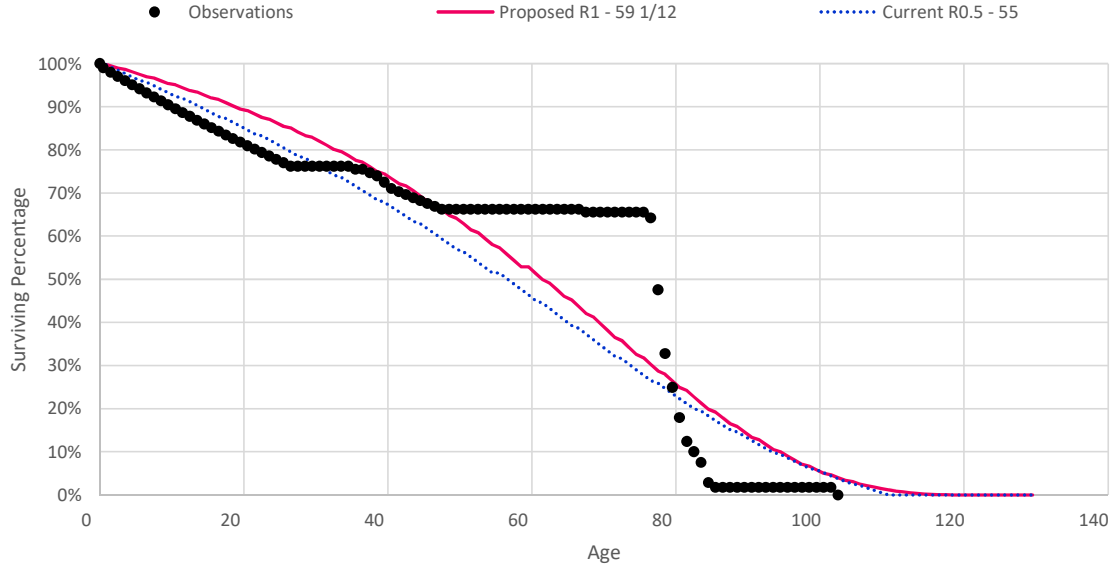


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O1		30	O1 - 47 5/6	1	(0.864)	2.552	0.168	0.217
R0.5		31	R0.5 - 48 2/3	10	(1.708)	2.894	0.128	0.248
S-.5		30	S-.5 - 48 7/12	17	(1.619)	3.169	0.156	0.280
H1.00		29	H1.00 - 50 5/6	32	(2.767)	4.502	0.369	0.470
GM1.5		26	GM1.5 - 50	41	(2.049)	4.785	0.318	0.537
GM1.0		11	GM1.0 - 51 3/4	44	(3.293)	4.782	0.449	0.539
H1.50		29	H1.50 - 50	56	(2.391)	4.736	0.281	0.585
GM2.0		29	GM2.0 - 50	61	(2.603)	4.553	0.263	0.597
L0		30	L0 - 51 3/4	63	(3.332)	5.088	0.488	0.601
L0.5		30	L0.5 - 50 5/6	79	(3.013)	5.241	0.391	0.625
O2		32	O2 - 53 1/6	97	(3.068)	4.932	0.570	0.648
S0		30	S0 - 50	121	(2.796)	4.313	0.265	0.695
H0.50		29	H0.50 - 51 3/4	131	(2.585)	5.287	0.575	0.722
R1		30	R1 - 48 7/12	143	(1.635)	4.173	0.243	0.757
L1		27	L1 - 50	163	(2.427)	5.660	0.394	0.878
GM2.5		29	GM2.5 - 50	192	(2.754)	5.512	0.412	1.241
S0.5		30	S0.5 - 50	207	(2.796)	5.464	0.426	1.300
H2.00		29	H2.00 - 50	208	(2.676)	5.821	0.438	1.308
L1.5		27	L1.5 - 50	248	(2.542)	6.658	0.542	1.489
R1.5		30	R1.5 - 50	258	(2.809)	5.694	0.480	1.599
GM3.0		29	GM3.0 - 50	277	(2.795)	6.341	0.599	1.924
O3		33	O3 - 64 2/3	278	(4.535)	8.965	1.546	1.940
S1		30	S1 - 50	318	(2.796)	6.717	0.682	2.173
L2		27	L2 - 50	335	(2.658)	7.744	0.789	2.413
H2.50		29	H2.50 - 50	348	(2.770)	7.387	0.807	2.618
R2		30	R2 - 50	368	(2.815)	7.462	0.846	2.803
O4		15	O4 - 77 1/12	377	(4.630)	11.149	2.158	2.907

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.5	29	GM3.5 - 50	386	(2.807)	7.748	0.924	3.020
S1.5	30	S1.5 - 50	407	(2.795)	8.101	1.005	3.271
L2.5	26	L2.5 - 50	426	(2.707)	8.813	1.091	3.536
H3.00	26	H3.00 - 50	456	(2.791)	9.193	1.292	4.262
R2.5	27	R2.5 - 50	458	(2.816)	9.329	1.308	4.324
GM4.0	26	GM4.0 - 50	473	(2.815)	9.519	1.361	4.456
S2	27	S2 - 50	486	(2.795)	9.624	1.412	4.634
L3	27	L3 - 50	504	(2.757)	10.047	1.500	5.015
S2.5	26	S2.5 - 50	547	(2.794)	10.995	1.822	6.042
R3	27	R3 - 50	556	(2.818)	11.257	1.886	6.219
GM4.5	26	GM4.5 - 50	577	(2.820)	11.501	1.981	6.520
L3.5	26	L3.5 - 50	586	(2.765)	11.529	1.996	6.735
H4.00	26	H4.00 - 50	619	(2.794)	12.285	2.265	7.573
S3	27	S3 - 50	629	(2.794)	12.377	2.300	7.679
R3.5	26	R3.5 - 50	652	(2.819)	12.713	2.402	7.983
L4	27	L4 - 50	675	(2.773)	13.323	2.630	8.923
GM5.0	11	GM5.0 - 51 7/12	692	(4.650)	13.464	2.695	9.225
S3.5	26	S3.5 - 50	702	(2.793)	13.806	2.855	9.615
R4	12	R4 - 51 7/12	712	(4.648)	14.035	2.931	10.058
H5.00	26	H5.00 - 50	718	(2.793)	14.257	3.050	10.296
S4	27	S4 - 50	749	(2.792)	15.236	3.501	11.869
L5	27	L5 - 50	768	(2.775)	16.007	3.811	13.022
R5	12	R5 - 51 7/12	796	(4.639)	16.715	4.250	14.754
S5	28	S5 - 51 7/12	803	(4.617)	17.225	4.555	15.897
GM5.5	11	GM5.5 - 51 7/12	814	(4.676)	17.668	4.726	16.400
S6	202	S6 - 46 5/12	843	0.529	19.606	5.900	20.000
SQ	202	SQ - 46 5/12	905	(0.043)	22.531	7.811	27.570

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E365.00-Overhead Cond & Dev

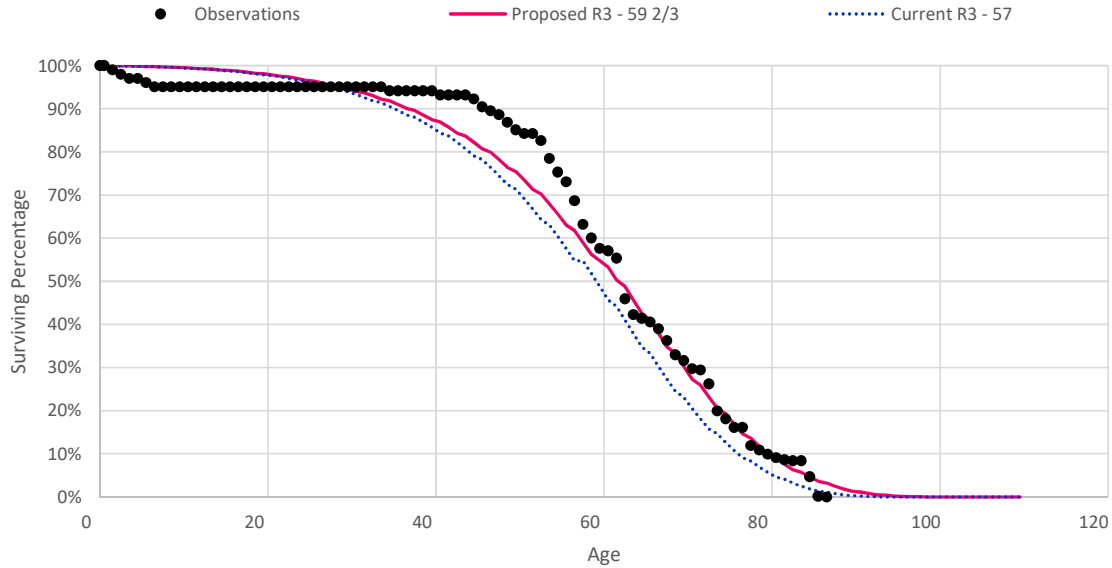


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O2	24	O2 - 86 1/6	1	(2.780)	5.521	1.096	1.678
O1	27	O1 - 75 7/12	7	(2.472)	5.502	1.089	1.705
H0.50	23	H0.50 - 86 1/6	13	(2.921)	5.724	1.119	1.732
R0.5	48	R0.5 - 71 1/12	22	(2.911)	6.123	0.974	1.768
GM1.0	43	GM1.0 - 80 1/6	59	(3.061)	6.350	1.088	1.887
H1.00	27	H1.00 - 80 5/6	67	(3.760)	6.454	1.131	1.896
S-.5	34	S-.5 - 72 11/12	88	(3.319)	6.591	1.057	1.930
L0	38	L0 - 80 5/6	106	(3.155)	6.610	1.120	1.965
O3	12	O3 - 128 5/6	130	(4.749)	5.763	1.447	2.000
O4	12	O4 - 171 5/12	151	(5.071)	5.793	1.548	2.112
GM1.5	28	GM1.5 - 77 1/12	157	(3.588)	7.032	1.105	2.124
R1	33	R1 - 67 7/12	161	(3.194)	6.996	0.924	2.131
H1.50	31	H1.50 - 74 1/4	198	(3.938)	7.326	1.088	2.243
GM2.0	31	GM2.0 - 72 11/12	213	(3.997)	7.406	1.086	2.276
L0.5	34	L0.5 - 77 7/12	228	(3.731)	7.475	1.163	2.326
S0	50	S0 - 71 1/4	258	(4.317)	7.815	1.133	2.451
R1.5	24	R1.5 - 67 7/12	305	(4.428)	8.018	1.029	2.720
L1	32	L1 - 74 1/4	314	(4.040)	8.369	1.234	2.838
GM2.5	216	GM2.5 - 70 1/3	328	(4.693)	8.464	1.171	2.910
H2.00	45	H2.00 - 71 1/12	390	(4.839)	8.546	1.190	2.993
S0.5	217	S0.5 - 70 1/3	434	(5.051)	8.717	1.232	3.046
GM3.0	31	GM3.0 - 69 11/12	643	(5.756)	9.151	1.292	3.433
R2	24	R2 - 67 7/12	729	(5.662)	9.140	1.227	3.622
L1.5	32	L1.5 - 74 1/4	736	(5.408)	9.457	1.417	3.636
S1	32	S1 - 69 11/12	823	(5.992)	9.701	1.418	3.886
GM3.5	23	GM3.5 - 67 7/12	878	(5.627)	9.695	1.356	4.119
H2.50	216	H2.50 - 70 1/3	887	(6.319)	9.907	1.446	4.161

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2.5	24	R2.5 - 67 7/12	1,047	(6.521)	10.115	1.453	4.723
L2	46	L2 - 72 5/12	1,060	(5.813)	10.561	1.640	4.775
S1.5	32	S1.5 - 69 11/12	1,083	(6.931)	10.544	1.614	4.812
GM4.0	23	GM4.0 - 67 7/12	1,126	(6.680)	10.337	1.517	4.908
H3.00	31	H3.00 - 69 11/12	1,213	(7.470)	11.081	1.755	5.561
L2.5	47	L2.5 - 71 1/2	1,239	(6.524)	11.389	1.852	5.838
S2	32	S2 - 69 11/12	1,272	(7.871)	11.448	1.878	5.980
R3	24	R3 - 67 3/4	1,291	(7.515)	11.199	1.781	6.126
GM4.5	23	GM4.5 - 67 3/4	1,300	(7.704)	11.273	1.806	6.225
S2.5	31	S2.5 - 69 11/12	1,340	(8.555)	12.135	2.106	7.071
L3	44	L3 - 71 1/2	1,358	(7.753)	12.406	2.189	7.286
R3.5	23	R3.5 - 70 1/4	1,384	(9.969)	12.292	2.159	7.499
GM5.0	23	GM5.0 - 67 3/4	1,403	(8.369)	12.222	2.215	8.059
H4.00	31	H4.00 - 69 11/12	1,416	(9.135)	12.771	2.353	8.236
S3	32	S3 - 69 11/12	1,432	(9.238)	12.861	2.394	8.371
L3.5	45	L3.5 - 71 1/2	1,444	(8.992)	13.038	2.429	8.418
R4	32	R4 - 69 11/12	1,492	(10.315)	12.970	2.474	8.951
S3.5	216	S3.5 - 70 1/3	1,537	(10.096)	13.587	2.713	9.811
L4	46	L4 - 71 1/2	1,589	(10.232)	13.911	2.798	10.034
H5.00	216	H5.00 - 70 1/3	1,655	(10.284)	13.830	2.832	10.336
S4	217	S4 - 70 1/3	1,871	(10.665)	14.350	3.114	11.552
R5	36	R5 - 71 1/2	2,127	(12.290)	14.912	3.431	12.921
L5	32	L5 - 71 1/2	2,144	(11.516)	15.222	3.476	13.007
GM5.5	33	GM5.5 - 71 1/2	2,213	(12.465)	15.355	3.602	13.598
S5	10	S5 - 58 5/6	2,481	0.255	20.062	6.894	26.316
S6	202	S6 - 58 5/6	2,581	0.266	21.897	8.246	31.721
SQ	202	SQ - 171 1/2	2,619	(26.906)	26.906	12.351	32.025

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E366.00-Underground Conduit

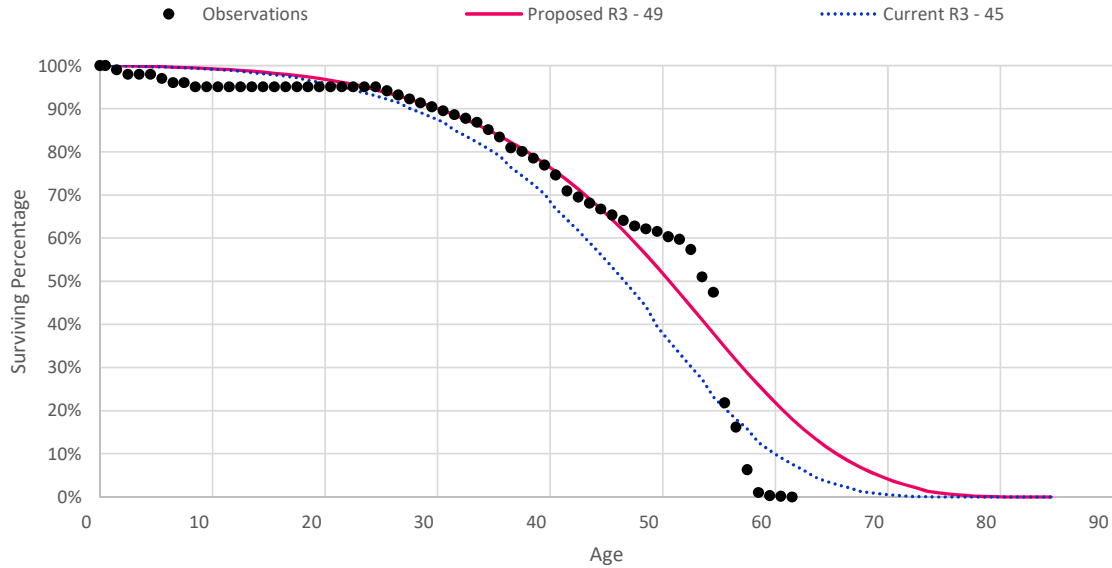


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R3		36	R3 - 59 2/3	1	(1.440)	2.872	0.131	0.305
GM4.5		31	GM4.5 - 59 2/3	4	(1.483)	2.919	0.135	0.313
R3.5		37	R3.5 - 60 1/12	9	(1.853)	3.030	0.151	0.324
H4.00		31	H4.00 - 61	42	(2.567)	3.404	0.194	0.411
GM5.0		31	GM5.0 - 59 2/3	45	(1.531)	3.734	0.212	0.418
S3		32	S3 - 61	57	(2.642)	3.526	0.208	0.444
R2.5		33	R2.5 - 59 2/3	59	(1.167)	3.663	0.195	0.446
L3.5		33	L3.5 - 62 5/6	75	(3.434)	4.092	0.261	0.467
S2.5		33	S2.5 - 61	95	(2.413)	4.009	0.228	0.493
L4		223	L4 - 61 3/4	100	(3.138)	3.939	0.245	0.497
GM4.0		31	GM4.0 - 59 2/3	103	(1.269)	3.845	0.215	0.499
S3.5		29	S3.5 - 61 1/6	104	(2.895)	3.849	0.244	0.499
R4		36	R4 - 60 1/12	151	(1.901)	4.225	0.262	0.533
H5.00		29	H5.00 - 61 1/6	180	(2.932)	4.218	0.277	0.569
H3.00		30	H3.00 - 61 2/3	226	(2.448)	4.789	0.335	0.664
S2		31	S2 - 60 2/3	241	(1.891)	4.760	0.317	0.699
L3		36	L3 - 63 7/12	261	(3.328)	5.222	0.407	0.725
S4		30	S4 - 61 1/6	291	(2.992)	5.233	0.385	0.800
R2		32	R2 - 59	294	(0.323)	4.814	0.362	0.810
GM3.5		33	GM3.5 - 60 1/6	323	(1.243)	5.177	0.407	0.862
S1.5		35	S1.5 - 60 5/6	354	(1.599)	5.544	0.456	0.954
L2.5		29	L2.5 - 64 1/2	374	(3.158)	5.970	0.580	1.009
H2.50		30	H2.50 - 61 2/3	391	(1.658)	5.812	0.542	1.056
L5		21	L5 - 60 1/2	426	(2.271)	6.223	0.537	1.225
R1.5		32	R1.5 - 59	440	0.270	6.132	0.626	1.309
GM3.0		216	GM3.0 - 60 5/12	446	(0.697)	6.351	0.651	1.321
S1		35	S1 - 61 2/3	487	(1.796)	6.651	0.710	1.365

San Diego Gas & Electric Company
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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2	32	L2 - 65 2/3	564	(3.037)	7.065	0.863	1.491
R5	21	R5 - 60 1/2	627	(2.369)	7.211	0.731	1.650
H2.00	28	H2.00 - 61 5/6	646	(0.548)	7.208	0.888	1.711
GM2.5	30	GM2.5 - 61 5/6	664	(0.837)	7.398	0.936	1.772
S0.5	35	S0.5 - 61 2/3	686	(1.095)	7.520	0.954	1.805
L1.5	32	L1.5 - 65 2/3	756	(2.050)	7.880	1.101	1.946
R1	32	R1 - 59	781	0.862	7.754	1.011	2.025
S0	35	S0 - 61 5/6	890	(0.497)	8.651	1.287	2.394
GM2.0	32	GM2.0 - 62 5/6	927	(0.079)	8.735	1.338	2.477
GM5.5	20	GM5.5 - 60 1/2	955	(2.401)	8.347	1.025	2.565
H1.50	28	H1.50 - 64 1/2	960	(0.442)	8.923	1.429	2.571
L1	32	L1 - 66 1/12	969	(1.295)	9.047	1.454	2.587
S5	6	S5 - 58 1/3	1,016	(0.229)	8.512	1.116	2.749
R0.5	40	R0.5 - 59 11/12	1,050	1.440	9.706	1.550	2.983
GM1.5	31	GM1.5 - 66 1/12	1,075	(0.035)	9.782	1.694	3.039
L0.5	32	L0.5 - 68 7/12	1,091	(1.175)	9.840	1.783	3.083
S-.5	33	S-.5 - 62 5/6	1,111	0.061	10.006	1.753	3.154
L0	9	L0 - 62 11/12	1,228	2.958	11.121	2.041	4.142
O1	9	O1 - 59 7/12	1,233	2.856	11.787	2.187	4.255
O2	9	O2 - 66	1,238	3.220	11.947	2.247	4.410
S6	202	S6 - 58 1/3	1,245	(0.236)	10.293	1.752	4.728
H0.50	8	H0.50 - 87 1/6	1,252	(4.580)	12.256	3.165	4.955
GM1.0	8	GM1.0 - 87 1/6	1,265	(6.596)	11.770	3.278	5.127
H1.00	8	H1.00 - 87 1/6	1,272	(7.068)	11.862	3.413	5.362
O3	6	O3 - 81 1/2	1,284	4.263	13.987	3.040	5.911
O4	30	O4 - 173 7/12	1,297	(6.767)	13.674	4.302	6.637
SQ	202	SQ - 58 1/3	1,407	(0.839)	13.913	3.671	12.019

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E367.00-Undergrnd Cond & Dev

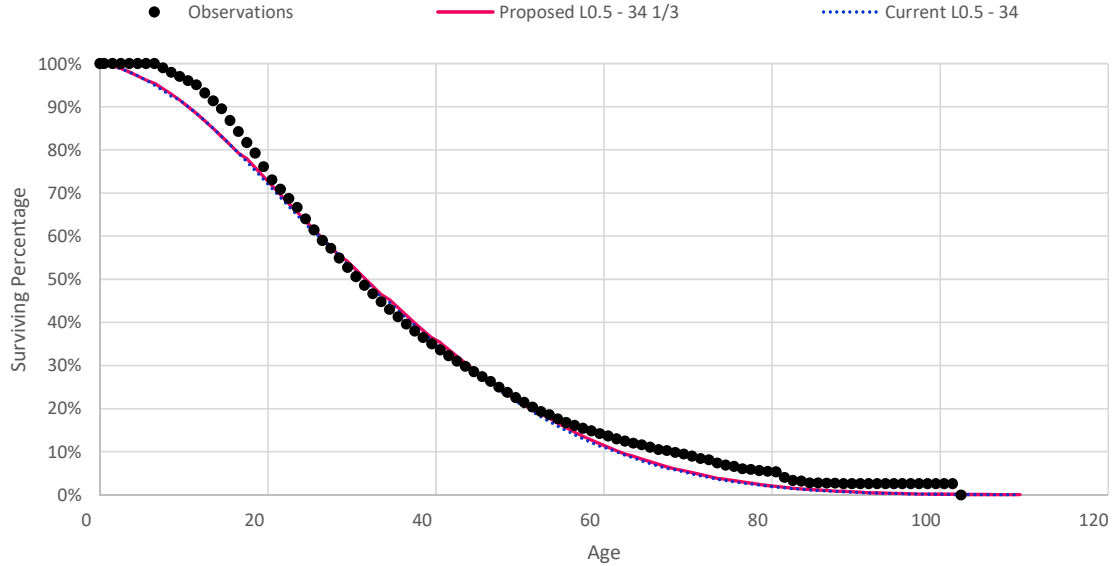


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM4.5	23	GM4.5 - 49	1	(2.352)	3.568	0.397	0.662
R3	29	R3 - 49	2	(2.215)	3.501	0.395	0.662
R2.5	24	R2.5 - 49	5	(1.577)	2.964	0.460	0.665
GM4.0	26	GM4.0 - 49	11	(1.692)	3.144	0.480	0.701
R3.5	23	R3.5 - 48 5/6	17	(2.430)	3.939	0.364	0.760
GM5.0	23	GM5.0 - 48 5/6	22	(2.733)	4.083	0.355	0.802
H3.00	26	H3.00 - 50 3/4	25	(2.281)	3.578	0.578	0.819
R2	27	R2 - 49	26	(0.938)	3.408	0.593	0.820
S2	27	S2 - 50 3/4	47	(2.570)	3.845	0.600	0.859
GM3.5	26	GM3.5 - 50	50	(1.372)	3.570	0.627	0.862
S2.5	26	S2.5 - 50	57	(2.354)	4.112	0.503	0.868
S1.5	27	S1.5 - 50 3/4	78	(1.877)	3.733	0.653	0.905
H2.50	26	H2.50 - 50 3/4	86	(1.266)	3.744	0.664	0.935
S3	27	S3 - 50	93	(2.817)	4.554	0.497	0.959
H4.00	23	H4.00 - 50 3/4	104	(3.517)	4.694	0.544	0.980
R4	24	R4 - 48 5/6	108	(2.742)	4.400	0.394	0.987
L2.5	17	L2.5 - 54 7/12	124	(3.097)	4.106	0.786	1.035
GM3.0	26	GM3.0 - 50 3/4	127	(1.013)	3.997	0.765	1.040
S1	27	S1 - 50 3/4	139	(1.184)	4.182	0.755	1.067
R1.5	27	R1.5 - 50 3/4	142	(0.993)	3.789	0.850	1.072
L3.5	26	L3.5 - 50 3/4	159	(2.632)	4.716	0.549	1.107
L2	29	L2 - 55 1/2	161	(2.568)	3.961	0.883	1.112
L3	27	L3 - 50 3/4	184	(1.785)	4.460	0.599	1.160
H2.00	38	H2.00 - 53 1/6	199	(1.119)	4.107	0.933	1.202
GM2.5	42	GM2.5 - 52 1/6	216	(0.803)	4.333	0.921	1.233
L1.5	31	L1.5 - 56 1/2	231	(1.932)	4.148	0.999	1.241
S0.5	41	S0.5 - 51 2/3	240	(0.805)	4.448	0.905	1.244

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S3.5	23	S3.5 - 50 3/4	263	(4.004)	5.204	0.575	1.253
L4	24	L4 - 50 3/4	326	(3.478)	5.280	0.593	1.360
H5.00	23	H5.00 - 50 3/4	333	(4.141)	5.357	0.595	1.372
R1	35	R1 - 51 1/4	351	(0.207)	4.829	1.059	1.416
S0	20	S0 - 54 1/2	387	(1.147)	4.698	1.183	1.509
GM2.0	28	GM2.0 - 55 1/2	402	(0.779)	4.781	1.202	1.543
L1	9	L1 - 62 1/6	425	(2.853)	4.230	1.362	1.616
S4	24	S4 - 50 3/4	444	(4.418)	5.679	0.658	1.696
L0.5	9	L0.5 - 62 1/3	449	(1.559)	4.787	1.384	1.713
GM1.5	8	GM1.5 - 62 1/6	460	(1.485)	4.825	1.442	1.782
H1.50	8	H1.50 - 62 1/6	464	(2.593)	4.557	1.513	1.826
H1.00	8	H1.00 - 62 1/3	486	(0.628)	5.606	1.507	1.946
GM1.0	8	GM1.0 - 62 1/3	490	(0.292)	5.786	1.486	1.964
L0	15	L0 - 62 1/3	497	(0.208)	5.811	1.475	1.988
S-.5	9	S-.5 - 62 1/6	513	(2.202)	5.146	1.675	2.061
R0.5	9	R0.5 - 62 1/6	538	(2.344)	5.584	1.797	2.243
L5	24	L5 - 50 3/4	541	(4.317)	6.068	0.774	2.256
R5	27	R5 - 50 3/4	545	(4.783)	5.820	0.740	2.280
O1	9	O1 - 62 1/3	549	(0.666)	6.209	1.788	2.327
H0.50	14	H0.50 - 62 1/3	556	1.148	6.961	1.603	2.357
O2	15	O2 - 62 1/3	561	1.250	7.053	1.613	2.378
O3	32	O3 - 92 2/3	595	(0.084)	6.813	1.901	2.563
O4	6	O4 - 123 5/12	629	(0.318)	6.890	2.008	2.686
GM5.5	26	GM5.5 - 50 3/4	637	(4.856)	5.758	0.825	2.734
S5	6	S5 - 45 11/12	746	(0.002)	7.148	1.557	5.259
S6	202	S6 - 45 11/12	807	(0.005)	8.593	2.333	8.166
SQ	202	SQ - 45 11/12	912	(0.086)	11.286	4.204	15.623

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E368.10-Line Transformers

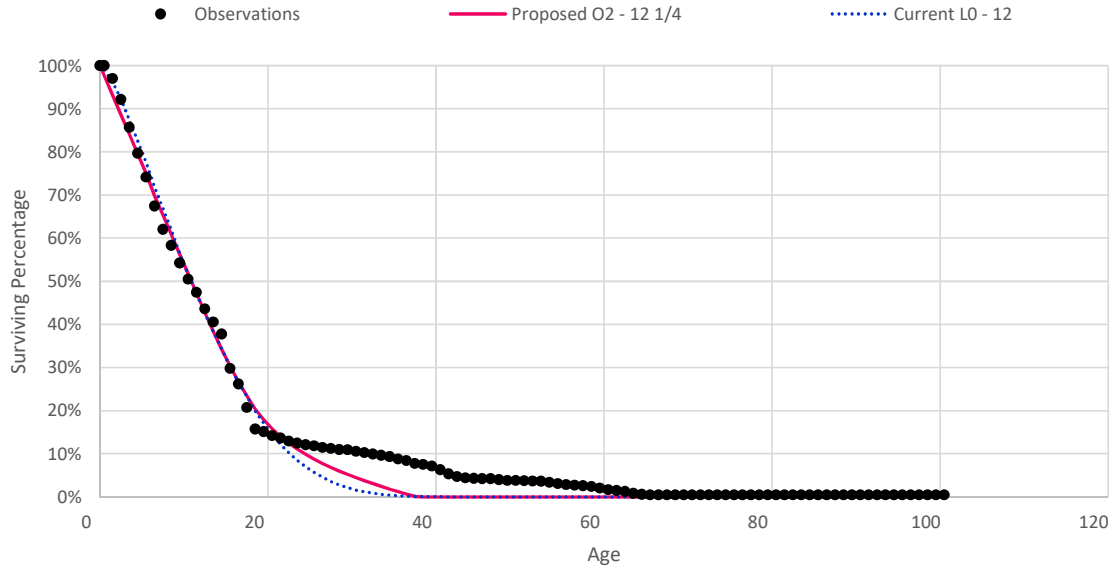


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L0.5	L0.5 - 34 1/3	34	1	1.541	2.095	0.068	0.110
L1	L1 - 34	37	9	1.843	2.632	0.104	0.144
GM1.5	GM1.5 - 34 1/4	227	20	1.623	2.472	0.091	0.160
L0	L0 - 34 3/4	32	65	1.171	2.103	0.097	0.206
GM1.0	GM1.0 - 34 1/3	29	75	1.610	2.162	0.108	0.217
H1.00	H1.00 - 34 1/3	29	79	1.575	2.396	0.111	0.217
H1.50	H1.50 - 33 1/2	222	97	2.344	3.409	0.158	0.246
GM2.0	GM2.0 - 33 1/2	222	157	2.332	3.836	0.201	0.318
L1.5	L1.5 - 33 1/2	223	173	2.355	3.565	0.200	0.333
S-.5	S-.5 - 32 5/6	30	250	2.998	4.275	0.281	0.393
O2	O2 - 35 3/4	32	258	0.585	2.982	0.187	0.399
H0.50	H0.50 - 35 1/12	31	267	1.039	2.683	0.183	0.404
S0	S0 - 33 1/12	38	330	2.741	4.443	0.310	0.448
R0.5	R0.5 - 32 7/12	32	375	3.241	4.787	0.334	0.498
O1	O1 - 32 7/12	32	425	3.241	4.657	0.342	0.556
H2.00	H2.00 - 33 1/2	222	461	2.334	4.682	0.319	0.600
GM2.5	GM2.5 - 33 1/2	222	486	2.331	4.846	0.349	0.636
S0.5	S0.5 - 33 1/2	223	547	2.332	5.009	0.393	0.688
L2	L2 - 33 1/2	223	554	2.363	4.875	0.347	0.694
R1	R1 - 33 1/12	38	655	2.737	5.507	0.434	0.757
GM3.0	GM3.0 - 33 1/2	222	950	2.325	5.826	0.523	1.061
S1	S1 - 33 1/2	223	971	2.332	5.971	0.548	1.086
R1.5	R1.5 - 33 1/12	40	1,079	2.749	6.247	0.582	1.169
H2.50	H2.50 - 33 1/2	222	1,229	2.333	6.201	0.586	1.288
L2.5	L2.5 - 33 1/2	222	1,245	2.367	6.222	0.567	1.308
O3	O3 - 42 1/12	27	1,284	(1.686)	7.594	0.780	1.343
S1.5	S1.5 - 33 1/2	223	1,625	2.332	7.003	0.739	1.648

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.5	222	GM3.5 - 33 1/2	1,729	2.317	7.069	0.777	1.754
R2	44	R2 - 33	1,804	2.803	7.212	0.817	1.819
L3	223	L3 - 33 1/2	2,137	2.372	7.570	0.858	2.153
H3.00	222	H3.00 - 33 1/2	2,167	2.332	7.701	0.900	2.188
S2	223	S2 - 33 1/2	2,383	2.332	8.075	0.986	2.380
O4	12	O4 - 46 1/4	2,564	(1.396)	10.188	1.412	2.547
R2.5	223	R2.5 - 33 1/2	2,640	2.303	8.207	1.056	2.631
GM4.0	222	GM4.0 - 33 1/2	2,688	2.306	8.303	1.079	2.671
S2.5	222	S2.5 - 33 1/2	3,201	2.332	8.961	1.234	3.189
L3.5	222	L3.5 - 33 1/2	3,309	2.366	8.912	1.222	3.299
R3	223	R3 - 33 1/2	3,665	2.301	9.388	1.387	3.682
GM4.5	23	GM4.5 - 32 1/6	3,894	3.652	9.666	1.505	3.951
H4.00	222	H4.00 - 33 1/2	4,007	2.332	9.790	1.503	4.100
S3	223	S3 - 33 1/2	4,046	2.332	9.857	1.526	4.147
R3.5	23	R3.5 - 32 1/6	4,521	3.652	10.397	1.731	4.715
L4	24	L4 - 32	4,570	3.846	10.561	1.752	4.796
S3.5	23	S3.5 - 32	4,877	3.832	10.962	1.933	5.367
GM5.0	23	GM5.0 - 32	4,926	3.812	10.956	1.962	5.462
H5.00	23	H5.00 - 32	5,068	3.832	11.248	2.051	5.771
R4	24	R4 - 32	5,095	3.814	11.314	2.076	5.834
S4	24	S4 - 32	5,360	3.832	11.868	2.325	6.714
L5	27	L5 - 32	5,467	3.844	12.304	2.497	7.352
R5	27	R5 - 30 3/4	5,570	5.059	13.036	2.887	8.430
S5	35	S5 - 30 3/4	5,596	5.071	13.383	3.062	9.074
GM5.5	33	GM5.5 - 31 1/6	5,619	4.641	13.598	3.163	9.462
S6	202	S6 - 36 1/4	5,708	(0.455)	14.778	3.983	12.785
SQ	202	SQ - 36 1/4	5,744	(1.162)	17.122	5.615	17.713

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E368.20-Capacitors

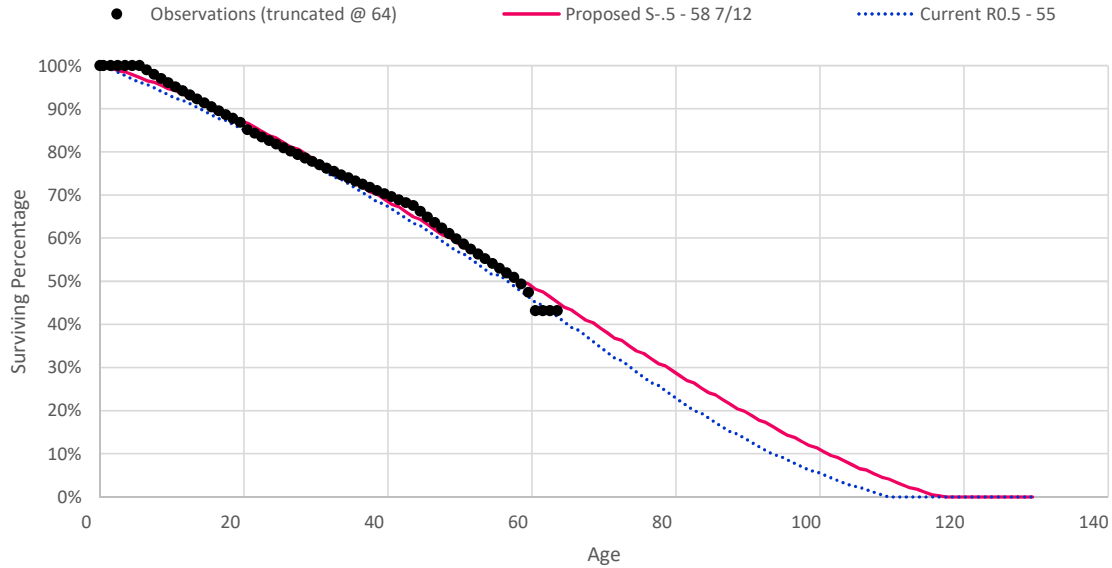


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O2	O2 - 12 1/4	35	1	1.754	2.267	0.105	0.122
H0.50	H0.50 - 12	31	10	1.946	2.405	0.121	0.135
O3	O3 - 14 1/4	226	20	(0.127)	2.034	0.104	0.167
L0	L0 - 11 11/12	231	37	2.029	2.611	0.149	0.176
GM1.0	GM1.0 - 11 11/12	227	52	2.029	2.658	0.150	0.185
H1.00	H1.00 - 11 5/6	31	93	2.115	2.782	0.165	0.207
L0.5	L0.5 - 11 5/6	32	146	2.115	3.016	0.189	0.265
O1	O1 - 11 1/6	34	147	2.782	3.229	0.245	0.266
GM1.5	GM1.5 - 11 5/6	31	155	2.115	3.004	0.190	0.270
S-.5	S-.5 - 11 1/6	34	208	2.781	3.528	0.271	0.338
R0.5	R0.5 - 11 1/6	35	232	2.778	3.666	0.283	0.372
H1.50	H1.50 - 11 7/12	35	237	2.368	3.477	0.245	0.381
L1	L1 - 11 1/2	34	263	2.448	3.613	0.259	0.407
GM2.0	GM2.0 - 11 1/6	33	281	2.779	3.766	0.285	0.426
O4	O4 - 16 5/12	32	342	(2.517)	4.385	0.339	0.505
S0	S0 - 11 1/6	34	346	2.779	4.047	0.332	0.506
R1	R1 - 11 1/6	34	416	2.774	4.238	0.366	0.604
L1.5	L1.5 - 11 1/6	34	428	2.786	4.195	0.345	0.626
GM2.5	GM2.5 - 11 1/6	33	464	2.779	4.368	0.382	0.688
H2.00	H2.00 - 11 1/6	33	466	2.780	4.330	0.375	0.689
S0.5	S0.5 - 11 1/6	34	488	2.779	4.463	0.401	0.719
R1.5	R1.5 - 11 1/6	34	570	2.773	4.701	0.456	0.889
L2	L2 - 11 1/6	34	583	2.789	4.658	0.440	0.912
GM3.0	GM3.0 - 11 1/6	33	601	2.777	4.781	0.468	0.938
S1	S1 - 11 1/6	34	634	2.779	4.880	0.492	0.997
H2.50	H2.50 - 11 1/6	33	680	2.779	4.970	0.518	1.118
L2.5	L2.5 - 11 1/6	33	738	2.790	5.094	0.550	1.263

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2	34	R2 - 11 1/6	739	2.770	5.190	0.575	1.267
GM3.5	33	GM3.5 - 11 1/6	759	2.773	5.235	0.584	1.299
S1.5	34	S1.5 - 11 1/6	769	2.778	5.247	0.590	1.325
H3.00	33	H3.00 - 11 1/6	873	2.778	5.490	0.668	1.602
R2.5	34	R2.5 - 11 1/6	898	2.768	5.614	0.702	1.695
L3	34	L3 - 11 1/6	899	2.791	5.530	0.684	1.696
S2	34	S2 - 11 1/6	905	2.778	5.613	0.708	1.715
GM4.0	33	GM4.0 - 11 1/6	913	2.769	5.654	0.715	1.734
S2.5	33	S2.5 - 11 1/6	1,035	2.777	5.918	0.818	2.100
L3.5	33	L3.5 - 11 1/6	1,051	2.788	5.975	0.835	2.200
R3	34	R3 - 11 1/6	1,054	2.767	6.040	0.854	2.210
GM4.5	31	GM4.5 - 11 1/6	1,079	2.766	6.097	0.878	2.292
H4.00	33	H4.00 - 11 1/6	1,144	2.777	6.206	0.934	2.504
S3	34	S3 - 11 1/6	1,155	2.777	6.226	0.944	2.536
R3.5	31	R3.5 - 11 1/6	1,183	2.764	6.357	0.983	2.660
L4	36	L4 - 11 1/6	1,226	2.785	6.426	1.016	2.812
GM5.0	31	GM5.0 - 11 1/6	1,264	2.762	6.553	1.075	2.974
S3.5	33	S3.5 - 11 1/6	1,277	2.775	6.545	1.084	3.032
R4	34	R4 - 11 1/6	1,315	2.763	6.675	1.130	3.171
H5.00	33	H5.00 - 11 1/6	1,323	2.775	6.646	1.133	3.205
S4	34	S4 - 11 1/6	1,391	2.774	6.864	1.245	3.599
L5	34	L5 - 11	1,426	2.953	7.094	1.335	3.893
R5	34	R5 - 11	1,477	2.944	7.300	1.464	4.323
GM5.5	17	GM5.5 - 10 1/4	1,522	3.685	7.533	1.641	4.773
S5	6	S5 - 14 1/3	1,577	(0.347)	7.642	1.826	5.811
S6	6	S6 - 14 1/3	1,603	(0.353)	8.090	2.094	6.623
SQ	6	SQ - 14 5/12	1,663	(1.045)	9.115	2.846	8.879

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E369.10-Services Overhead

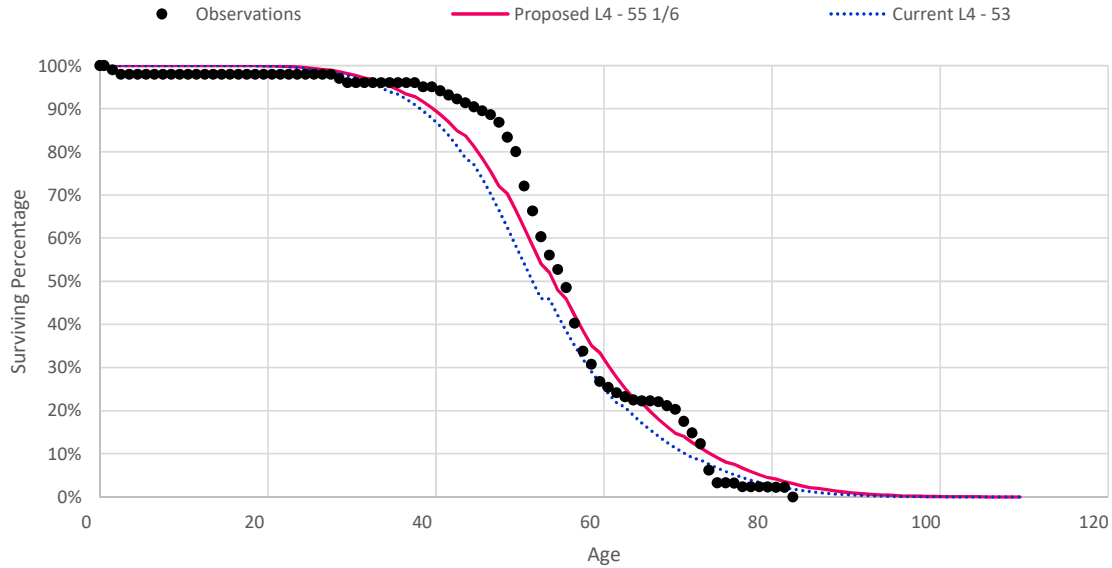


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S-.5	28	S-.5 - 58 7/12	1	0.241	0.471	0.006	0.017
GM1.5	26	GM1.5 - 62 1/6	4	(0.087)	0.473	0.006	0.017
L0	24	L0 - 66 5/6	11	0.014	0.405	0.007	0.020
H1.00	26	H1.00 - 64 1/6	16	0.274	0.521	0.009	0.023
GM1.0	32	GM1.0 - 65 1/3	19	0.285	0.525	0.009	0.024
R0.5	30	R0.5 - 57 7/12	28	0.366	0.552	0.011	0.026
L0.5	27	L0.5 - 63 1/12	54	(0.396)	0.692	0.013	0.036
H1.50	28	H1.50 - 59 1/3	62	(0.320)	0.738	0.014	0.042
R1	30	R1 - 54 7/12	72	(0.227)	0.807	0.015	0.048
GM2.0	20	GM2.0 - 57 7/12	74	(0.153)	0.801	0.015	0.049
S0	27	S0 - 56 1/2	104	(0.536)	1.042	0.026	0.074
H0.50	23	H0.50 - 70 3/4	116	0.504	1.142	0.031	0.082
O1	29	O1 - 62 1/3	132	0.770	1.317	0.039	0.099
O2	24	O2 - 70 3/4	133	0.613	1.295	0.038	0.099
L1	29	L1 - 60 5/12	168	(0.888)	1.491	0.055	0.146
O3	21	O3 - 98 11/12	181	0.422	1.518	0.056	0.157
GM2.5	23	GM2.5 - 55 3/4	204	(1.050)	1.700	0.069	0.209
R1.5	31	R1.5 - 52 11/12	208	(0.748)	1.652	0.065	0.213
O4	17	O4 - 121 7/12	226	1.338	2.035	0.085	0.235
H2.00	26	H2.00 - 55 3/4	228	(0.927)	1.792	0.076	0.236
S0.5	24	S0.5 - 55 7/12	234	(1.215)	1.881	0.083	0.241
GM3.0	38	GM3.0 - 54 1/4	291	(1.458)	2.361	0.127	0.386
L1.5	27	L1.5 - 57 5/12	310	(0.989)	2.468	0.136	0.405
S1	32	S1 - 54 1/6	344	(1.621)	2.816	0.178	0.525
R2	35	R2 - 52 1/4	356	(1.549)	2.709	0.169	0.546
H2.50	33	H2.50 - 54 1/4	394	(1.856)	3.088	0.215	0.670
GM3.5	38	GM3.5 - 52 5/12	408	(1.672)	3.151	0.220	0.686

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2	27	L2 - 57 5/12	451	(2.131)	3.472	0.278	0.838
S1.5	37	S1.5 - 53 1/4	461	(2.031)	3.673	0.298	0.913
R2.5	37	R2.5 - 52 1/3	494	(2.483)	3.789	0.321	1.051
GM4.0	36	GM4.0 - 52 1/3	516	(2.587)	3.916	0.340	1.093
H3.00	34	H3.00 - 53 1/3	555	(2.592)	4.269	0.409	1.301
L2.5	23	L2.5 - 55 3/4	573	(2.459)	4.362	0.424	1.341
S2	31	S2 - 52 11/12	590	(2.670)	4.574	0.466	1.459
R3	220	R3 - 51 11/12	617	(3.114)	4.896	0.530	1.751
GM4.5	219	GM4.5 - 51 11/12	643	(3.268)	4.966	0.546	1.805
S2.5	38	S2.5 - 53 1/4	773	(3.497)	5.295	0.632	2.054
L3	28	L3 - 54	813	(2.557)	5.404	0.647	2.114
R3.5	40	R3.5 - 52 1/3	921	(3.959)	5.824	0.751	2.533
H4.00	40	H4.00 - 52 5/12	981	(3.545)	6.102	0.831	2.765
S3	45	S3 - 52 5/12	997	(3.611)	6.139	0.844	2.798
L3.5	33	L3.5 - 54 1/4	1,011	(3.778)	6.153	0.837	2.812
GM5.0	219	GM5.0 - 51 11/12	1,070	(4.120)	6.183	0.855	2.912
R4	45	R4 - 52 1/3	1,247	(4.543)	6.752	1.015	3.470
S3.5	44	S3.5 - 53 1/4	1,334	(4.747)	6.975	1.098	3.783
L4	37	L4 - 53 1/4	1,374	(4.172)	7.110	1.126	3.872
H5.00	46	H5.00 - 53 1/4	1,432	(4.941)	7.254	1.191	4.136
S4	43	S4 - 53 1/4	1,553	(5.351)	7.871	1.413	4.982
L5	37	L5 - 54 1/4	1,671	(6.119)	8.659	1.701	6.114
R5	214	R5 - 53 3/4	1,697	(6.475)	8.810	1.763	6.340
GM5.5	36	GM5.5 - 54 1/4	1,820	(7.285)	9.333	1.981	7.210
S5	6	S5 - 62 5/6	2,054	(11.904)	11.904	3.205	12.177
S6	202	S6 - 62 5/6	2,089	(12.937)	12.937	3.874	14.750
SQ	202	SQ - 62 5/6	2,186	(14.154)	14.154	4.856	18.041

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E369.20-Services Underground

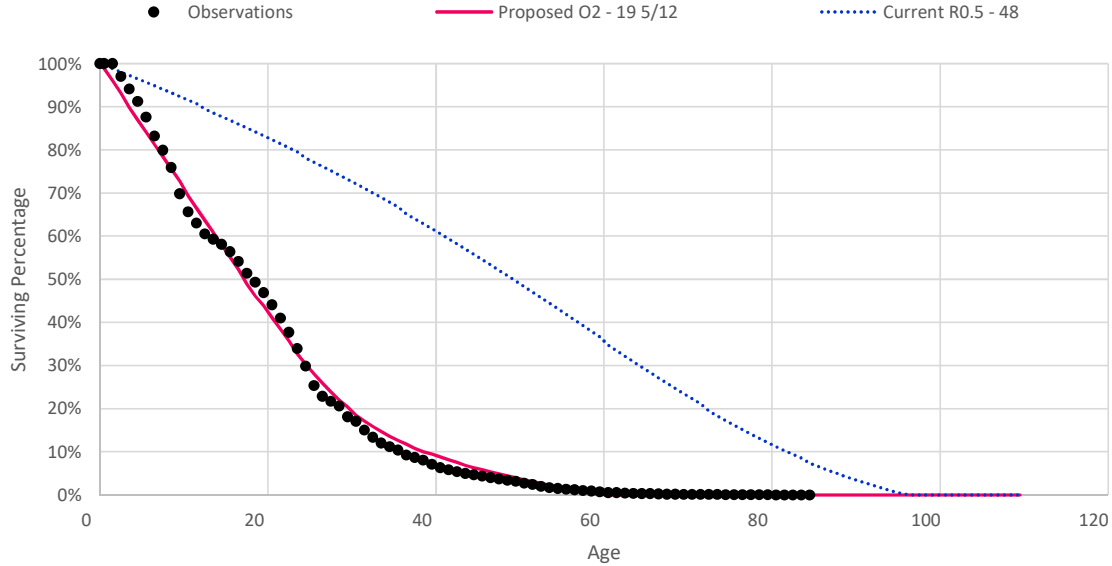


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L4		32	L4 - 55 1/6	1	(1.801)	3.294	0.169	0.380
R3.5		31	R3.5 - 53 1/3	8	(0.168)	3.028	0.178	0.417
R4		29	R4 - 53 2/3	9	(0.485)	3.463	0.202	0.417
H5.00		33	H5.00 - 54 1/2	11	(1.291)	3.387	0.194	0.420
S3.5		33	S3.5 - 54 1/2	13	(1.282)	3.315	0.186	0.422
GM5.0		31	GM5.0 - 53	25	0.162	3.394	0.212	0.440
S4		34	S4 - 54 1/2	52	(1.304)	3.746	0.239	0.473
L5		38	L5 - 54 2/3	55	(1.420)	3.599	0.246	0.477
H4.00		31	H4.00 - 54 1/2	91	(1.217)	3.471	0.217	0.542
S3		32	S3 - 54 1/2	98	(1.259)	3.570	0.231	0.581
R3		35	R3 - 53	105	0.175	3.233	0.231	0.592
GM4.5		33	GM4.5 - 53	109	0.171	3.278	0.234	0.597
L3.5		225	L3.5 - 55 3/4	138	(1.938)	4.081	0.281	0.622
S2.5		26	S2.5 - 53 5/6	220	(0.537)	3.937	0.312	0.788
R5		30	R5 - 54 1/2	239	(1.322)	4.860	0.421	0.851
R2.5		36	R2.5 - 52 5/12	255	0.817	3.851	0.357	0.895
GM4.0		35	GM4.0 - 52 5/12	281	0.785	3.911	0.374	0.947
S5		42	S5 - 54 1/2	287	(1.305)	5.114	0.477	0.962
S2		27	S2 - 53 5/6	329	(0.459)	4.785	0.455	1.102
H3.00		26	H3.00 - 53 5/6	331	(0.266)	4.748	0.463	1.104
L3		21	L3 - 57 7/12	353	(3.030)	5.630	0.572	1.149
GM5.5		29	GM5.5 - 53 2/3	392	(0.491)	5.519	0.587	1.322
R2		36	R2 - 51 7/12	411	1.691	5.186	0.592	1.410
GM3.5		35	GM3.5 - 52 5/12	424	0.956	5.385	0.601	1.431
S1.5		27	S1.5 - 53 2/3	439	(0.082)	5.765	0.646	1.485
L2.5		20	L2.5 - 57 7/12	472	(2.385)	6.454	0.805	1.587
H2.50		26	H2.50 - 53 5/6	492	0.166	6.257	0.756	1.676

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1	34	S1 - 53 1/4	542	0.438	6.987	0.913	2.010
R1.5	30	R1.5 - 51 1/6	547	2.312	6.968	0.902	2.027
GM3.0	33	GM3.0 - 52 5/12	548	1.326	6.905	0.906	2.028
S6	202	S6 - 53 1/4	578	(0.087)	7.010	0.896	2.120
L2	21	L2 - 57 3/4	600	(1.864)	7.713	1.145	2.222
H2.00	29	H2.00 - 55 1/6	636	(0.078)	8.374	1.257	2.543
S0.5	34	S0.5 - 53 1/4	645	0.796	8.275	1.228	2.584
GM2.5	33	GM2.5 - 52 5/12	655	1.822	8.178	1.215	2.619
L1.5	21	L1.5 - 57 3/4	701	(1.139)	8.896	1.478	2.828
R1	30	R1 - 51 1/6	712	2.542	8.989	1.337	2.860
S0	34	S0 - 53 1/4	753	1.153	9.773	1.628	3.305
GM2.0	22	GM2.0 - 52 2/3	789	2.479	10.106	1.714	3.533
L1	21	L1 - 57 3/4	797	(0.415)	10.329	1.904	3.612
H1.50	20	H1.50 - 57 7/12	815	(0.350)	10.745	1.952	3.686
R0.5	30	R0.5 - 51 1/6	861	3.179	11.257	1.965	4.018
GM1.5	20	GM1.5 - 57 7/12	885	0.695	11.626	2.221	4.203
S-.5	30	S-.5 - 53 5/12	892	1.743	11.701	2.166	4.248
L0.5	21	L0.5 - 57 3/4	893	0.668	11.526	2.243	4.251
H1.00	20	H1.00 - 57 3/4	945	1.276	12.612	2.506	4.722
GM1.0	20	GM1.0 - 57 3/4	960	1.679	12.793	2.575	4.876
L0	23	L0 - 57 3/4	980	1.752	12.873	2.655	5.034
O1	30	O1 - 53 5/12	1,008	2.412	13.731	2.826	5.413
O2	23	O2 - 62 7/12	1,020	0.943	14.030	3.023	5.535
H0.50	22	H0.50 - 62 7/12	1,042	0.643	14.137	3.119	5.643
O3	18	O3 - 83 1/6	1,074	0.210	15.799	3.898	6.822
O4	90	O4 - 111	1,100	(0.887)	16.457	4.343	7.400
SQ	202	SQ - 53 1/4	1,143	(0.801)	10.345	2.430	7.419

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E370.10-Meters

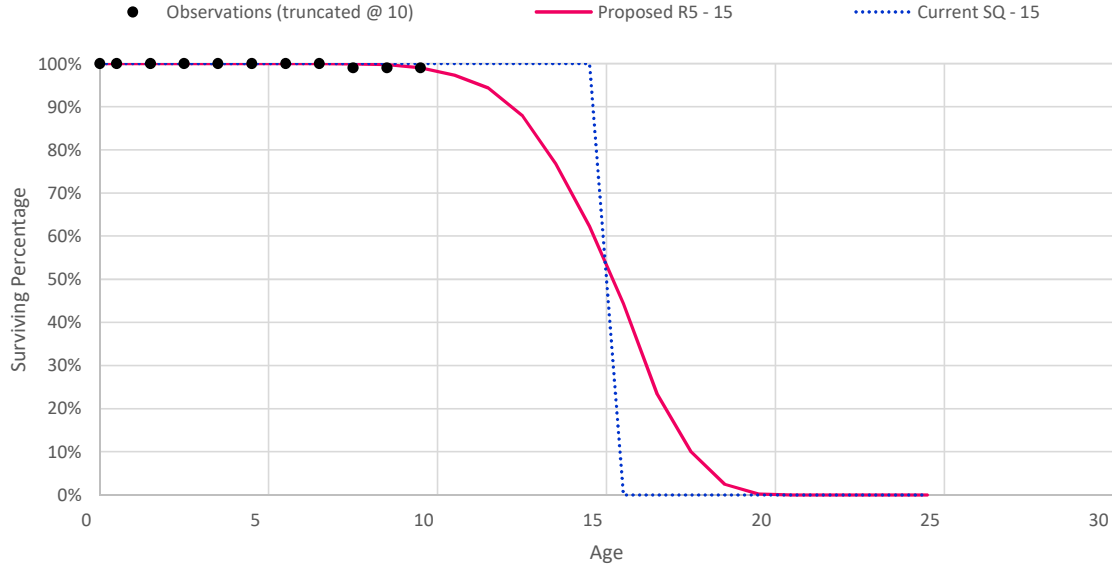


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O2	221	O2 - 19 5/12	1	(0.240)	1.181	0.028	0.064
H0.50	29	H0.50 - 18 5/6	8	0.258	0.991	0.025	0.069
L0	30	L0 - 18 5/6	10	0.263	0.961	0.023	0.070
GM1.0	29	GM1.0 - 18 5/6	25	0.261	0.982	0.025	0.079
H1.00	225	H1.00 - 18 3/4	34	0.378	1.128	0.031	0.093
O1	30	O1 - 18	83	1.111	1.853	0.090	0.134
L0.5	226	L0.5 - 18 3/4	101	0.380	1.528	0.055	0.159
GM1.5	225	GM1.5 - 18 3/4	102	0.380	1.492	0.054	0.159
S-.5	223	S-.5 - 18 1/12	182	1.021	2.162	0.121	0.223
R0.5	33	R0.5 - 17 11/12	226	1.179	2.377	0.141	0.267
H1.50	33	H1.50 - 18 1/4	252	0.848	2.287	0.116	0.294
L1	36	L1 - 18 5/12	288	0.690	2.420	0.128	0.331
GM2.0	33	GM2.0 - 18 1/4	309	0.848	2.510	0.142	0.348
S0	223	S0 - 18 1/12	419	1.022	2.992	0.210	0.457
O3	30	O3 - 22 1/6	489	(2.781)	5.153	0.384	0.553
R1	223	R1 - 18 1/12	519	1.015	3.259	0.258	0.596
L1.5	38	L1.5 - 18 5/12	571	0.693	3.166	0.234	0.647
GM2.5	222	GM2.5 - 18 1/12	635	1.019	3.529	0.287	0.720
H2.00	222	H2.00 - 18 1/12	643	1.019	3.485	0.279	0.725
S0.5	223	S0.5 - 18 1/12	697	1.022	3.668	0.315	0.764
R1.5	223	R1.5 - 18 1/12	924	1.014	4.030	0.393	1.007
L2	34	L2 - 18 1/4	988	0.854	3.994	0.383	1.075
GM3.0	222	GM3.0 - 18 1/12	991	1.018	4.169	0.416	1.082
S1	223	S1 - 18 1/12	1,095	1.022	4.349	0.454	1.171
H2.50	222	H2.50 - 18 1/12	1,276	1.020	4.517	0.494	1.355
O4	27	O4 - 24 2/3	1,357	(4.931)	8.868	1.014	1.439
R2	224	R2 - 18 1/12	1,468	1.011	4.808	0.575	1.562

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2.5	222	L2.5 - 18 1/12	1,520	1.031	4.761	0.560	1.611
GM3.5	222	GM3.5 - 18 1/12	1,524	1.015	4.887	0.591	1.612
S1.5	223	S1.5 - 18 1/12	1,599	1.020	4.953	0.606	1.660
H3.00	222	H3.00 - 18 1/12	2,036	1.019	5.361	0.726	2.081
R2.5	223	R2.5 - 18 1/12	2,153	1.008	5.495	0.766	2.198
S2	223	S2 - 18 1/12	2,212	1.019	5.558	0.788	2.247
GM4.0	35	GM4.0 - 18 1/3	2,220	0.765	5.512	0.780	2.254
L3	223	L3 - 18 1/12	2,260	1.032	5.466	0.768	2.276
S2.5	222	S2.5 - 18 1/12	2,833	1.017	6.058	0.959	2.836
R3	36	R3 - 18 1/3	2,967	0.761	6.150	0.990	2.971
L3.5	222	L3.5 - 18 1/12	3,038	1.028	6.160	0.998	3.037
GM4.5	222	GM4.5 - 18 1/12	3,093	1.003	6.272	1.035	3.090
H4.00	222	H4.00 - 18 1/12	3,452	1.015	6.525	1.138	3.462
S3	223	S3 - 18 1/12	3,501	1.015	6.558	1.155	3.509
R3.5	222	R3.5 - 18 1/12	3,666	1.002	6.704	1.199	3.660
L4	34	L4 - 18 1/3	3,975	0.778	6.818	1.267	3.974
GM5.0	222	GM5.0 - 18 1/12	4,110	0.997	7.010	1.337	4.132
S3.5	222	S3.5 - 18 1/12	4,262	1.013	7.077	1.374	4.283
R4	223	R4 - 18 1/12	4,437	0.999	7.224	1.429	4.449
H5.00	222	H5.00 - 18 1/12	4,553	1.012	7.241	1.451	4.553
S4	223	S4 - 18 1/12	5,117	1.010	7.596	1.626	5.173
L5	34	L5 - 18 1/3	5,469	0.770	7.813	1.733	5.609
R5	32	R5 - 18	5,879	1.097	8.193	1.942	6.243
S5	34	S5 - 16 5/6	6,138	2.279	8.501	2.143	6.741
GM5.5	25	GM5.5 - 16 5/6	6,210	2.254	8.594	2.197	6.879
S6	202	S6 - 19 3/4	6,755	(0.688)	8.988	2.431	8.277
SQ	204	SQ - 19 3/4	7,287	(0.899)	10.272	3.274	10.884

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E370.11-Meters - Electronic

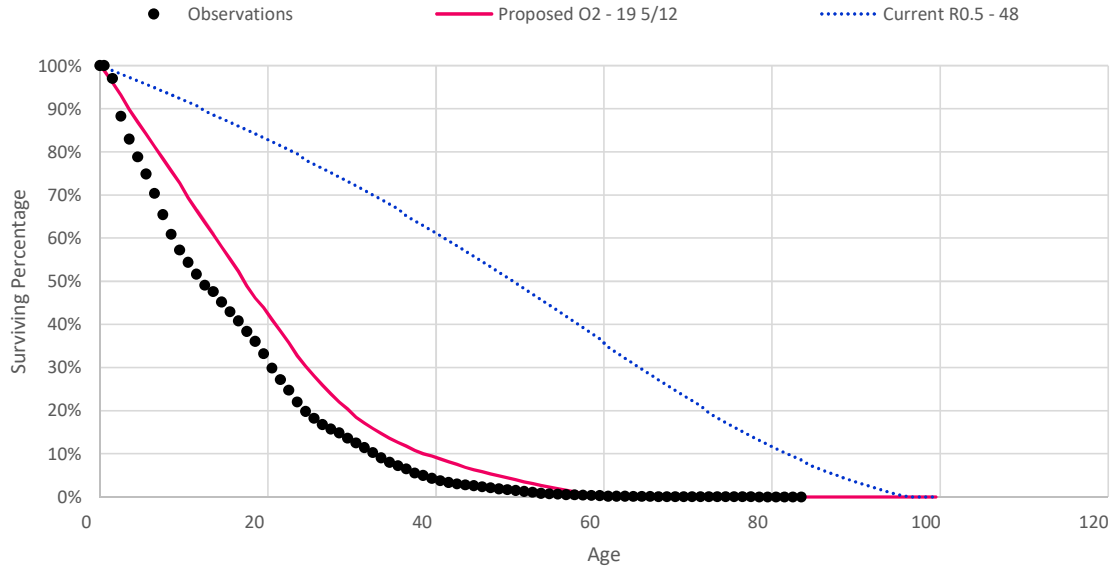


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1	21	S1 - 35 1/4	1	0.001	0.012	0.000	0.000
H3.00	8	H3.00 - 28 5/6	4	0.004	0.018	0.000	0.000
L2	25	L2 - 32 1/3	5	0.000	0.013	0.000	0.000
R3	9	R3 - 28 5/6	9	0.003	0.018	0.000	0.000
S1.5	18	S1.5 - 29 5/6	10	(0.004)	0.015	0.000	0.000
GM4.0	17	GM4.0 - 35 2/3	15	0.004	0.019	0.000	0.000
GM5.0	14	GM5.0 - 21 3/4	17	0.000	0.018	0.000	0.000
R3.5	17	R3.5 - 22 11/12	29	0.002	0.018	0.000	0.000
S0.5	21	S0.5 - 55 11/12	36	(0.003)	0.018	0.000	0.000
GM4.5	8	GM4.5 - 28 5/6	50	(0.007)	0.017	0.000	0.000
L1.5	21	L1.5 - 49 5/12	58	(0.000)	0.020	0.000	0.000
L2.5	8	L2.5 - 28 5/6	65	(0.013)	0.016	0.000	0.000
GM3.5	14	GM3.5 - 38	67	0.016	0.023	0.000	0.000
S0	21	S0 - 76 5/12	70	(0.006)	0.020	0.000	0.000
L1	21	L1 - 69 7/12	81	(0.006)	0.026	0.000	0.000
L3	29	L3 - 21 2/3	84	(0.008)	0.022	0.000	0.000
R0.5	21	R0.5 - 209 5/12	85	0.009	0.028	0.000	0.000
L0.5	21	L0.5 - 115 1/12	90	(0.009)	0.027	0.000	0.000
S2.5	219	S2.5 - 20 2/3	98	(0.011)	0.024	0.000	0.000
R2.5	21	R2.5 - 53 1/4	99	(0.006)	0.029	0.000	0.000
S2	18	S2 - 24 1/12	100	(0.017)	0.025	0.000	0.000
L0	21	L0 - 155 1/12	102	(0.013)	0.025	0.000	0.000
L3.5	14	L3.5 - 19 5/12	112	(0.015)	0.026	0.000	0.000
R2	21	R2 - 81 1/6	119	(0.007)	0.031	0.000	0.000
H2.50	20	H2.50 - 38	139	0.033	0.036	0.000	0.000
R1.5	21	R1.5 - 138 11/12	148	(0.011)	0.033	0.000	0.000
R4	15	R4 - 17 1/3	149	0.002	0.024	0.000	0.000

San Diego Gas & Electric Company
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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
H4.00	14	H4.00 - 19 5/12	150	(0.022)	0.027	0.000	0.000
S-.5	21	S-.5 - 208 5/12	155	(0.013)	0.031	0.000	0.000
O1	21	O1 - 209 5/12	183	0.033	0.036	0.000	0.000
GM5.5	19	GM5.5 - 13 2/3	184	(0.017)	0.031	0.000	0.000
R1	21	R1 - 199 1/4	188	(0.015)	0.032	0.000	0.000
S3.5	17	S3.5 - 16 1/6	238	(0.020)	0.037	0.000	0.001
S3	15	S3 - 17 1/3	244	(0.010)	0.035	0.000	0.001
O2	21	O2 - 209 5/12	253	0.045	0.045	0.000	0.001
L4	15	L4 - 17 1/3	258	(0.033)	0.038	0.000	0.001
H5.00	17	H5.00 - 16	266	(0.031)	0.039	0.000	0.001
R5	19	R5 - 13 2/3	341	(0.035)	0.047	0.000	0.001
S4	18	S4 - 14 5/6	355	(0.042)	0.045	0.000	0.001
GM3.0	20	GM3.0 - 38	375	0.061	0.061	0.001	0.001
SQ	205	SQ - 9 1/2	470	(0.067)	0.067	0.001	0.002
L5	6	L5 - 19 5/12	483	(0.068)	0.068	0.001	0.002
S5	8	S5 - 19 1/3	486	(0.068)	0.068	0.001	0.002
S6	106	S6 - 15 1/4	492	(0.068)	0.068	0.001	0.002
O3	21	O3 - 209 5/12	831	0.099	0.099	0.001	0.003
GM2.5	20	GM2.5 - 38	866	0.121	0.121	0.002	0.004
H2.00	20	H2.00 - 38	887	0.141	0.141	0.003	0.005
O4	21	O4 - 209 5/12	916	0.159	0.159	0.003	0.007
GM2.0	20	GM2.0 - 38	1,013	0.265	0.265	0.009	0.019
H1.50	20	H1.50 - 38	1,031	0.291	0.291	0.011	0.023
GM1.5	20	GM1.5 - 38	1,078	0.336	0.336	0.015	0.031
H1.00	20	H1.00 - 38	1,158	0.460	0.460	0.028	0.057
GM1.0	20	GM1.0 - 38	1,162	0.461	0.461	0.029	0.057
H0.50	20	H0.50 - 38	1,237	0.617	0.617	0.051	0.101

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E370.20-Meter Installations

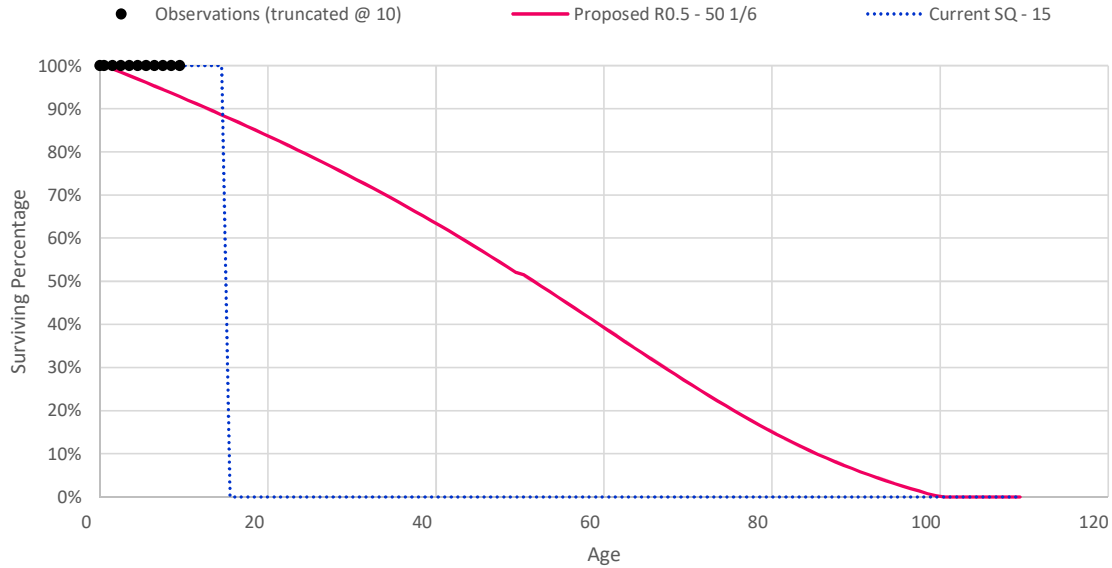


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O3		217	1	(1.194)	2.026	0.087	0.112
H0.50		31	20	0.500	1.563	0.055	0.139
O2		33	30	0.566	1.591	0.057	0.155
L0		21	94	(0.406)	1.880	0.115	0.371
O1		24	98	1.343	2.911	0.230	0.382
GM1.0		20	120	(1.240)	2.099	0.158	0.558
O4		36	122	(3.317)	5.321	0.435	0.568
H1.00		20	144	(1.241)	2.314	0.183	0.636
L0.5		21	150	(0.404)	2.560	0.203	0.646
S-.5		24	151	1.166	3.472	0.315	0.658
R0.5		25	167	1.164	3.615	0.338	0.726
GM1.5		20	185	(1.241)	2.636	0.242	0.835
L1		21	209	(0.402)	3.241	0.320	1.004
S0		32	216	1.166	4.152	0.452	1.067
H1.50		20	238	(1.243)	3.220	0.345	1.156
R1		32	258	1.161	4.384	0.511	1.242
GM2.0		20	276	(1.245)	3.534	0.396	1.296
H2.00		31	294	1.169	4.493	0.530	1.404
GM2.5		31	296	1.168	4.544	0.545	1.416
L1.5		21	315	(0.397)	3.854	0.459	1.464
S0.5		32	319	1.168	4.663	0.582	1.490
R1.5		32	378	1.163	4.995	0.673	1.774
L2		32	380	1.181	4.816	0.632	1.781
GM3.0		31	397	1.168	5.066	0.697	1.879
S1		32	422	1.170	5.192	0.739	2.002
H2.50		23	453	1.173	5.312	0.774	2.172
L2.5		23	479	1.186	5.387	0.811	2.371

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2	24	R2 - 14 1/6	489	1.164	5.604	0.872	2.430
GM3.5	23	GM3.5 - 14 1/6	494	1.168	5.637	0.888	2.497
S1.5	24	S1.5 - 14 1/6	502	1.173	5.660	0.896	2.544
H3.00	23	H3.00 - 14 1/6	539	1.176	5.972	1.012	2.964
L3	24	L3 - 14 1/6	552	1.191	5.959	1.021	3.066
R2.5	25	R2.5 - 14 1/6	558	1.167	6.115	1.066	3.097
S2	24	S2 - 14 1/6	563	1.177	6.127	1.077	3.167
GM4.0	23	GM4.0 - 14 1/6	565	1.168	6.166	1.090	3.177
S2.5	23	S2.5 - 14 1/6	614	1.180	6.512	1.239	3.737
L3.5	23	L3.5 - 14 1/6	629	1.190	6.535	1.249	3.836
R3	24	R3 - 14 1/6	637	1.170	6.658	1.292	3.875
GM4.5	23	GM4.5 - 14 1/6	648	1.170	6.729	1.328	3.995
H4.00	23	H4.00 - 14 1/6	667	1.182	6.870	1.404	4.316
S3	24	S3 - 14 1/6	673	1.183	6.897	1.421	4.372
R3.5	23	R3.5 - 14 1/6	686	1.173	7.065	1.475	4.511
L4	24	L4 - 14 1/6	701	1.190	7.111	1.516	4.740
GM5.0	23	GM5.0 - 14 1/6	714	1.172	7.310	1.604	4.942
S3.5	23	S3.5 - 14 1/6	727	1.184	7.291	1.617	5.059
R4	24	R4 - 14 1/6	742	1.175	7.472	1.681	5.223
H5.00	23	H5.00 - 14 1/6	747	1.185	7.415	1.685	5.297
S4	24	S4 - 14	779	1.342	7.703	1.843	5.828
L5	24	L5 - 14	796	1.347	7.910	1.935	6.163
R5	24	R5 - 14	818	1.329	8.165	2.106	6.698
GM5.5	23	GM5.5 - 11 1/2	836	3.821	8.593	2.355	7.127
S5	6	S5 - 15 3/4	846	(0.395)	8.391	2.311	7.456
S6	6	S6 - 15 3/4	866	(0.391)	8.923	2.636	8.443
SQ	8	SQ - 15 3/4	904	(0.667)	9.958	3.353	10.596

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E370.21-Meter Instllns-Elctr

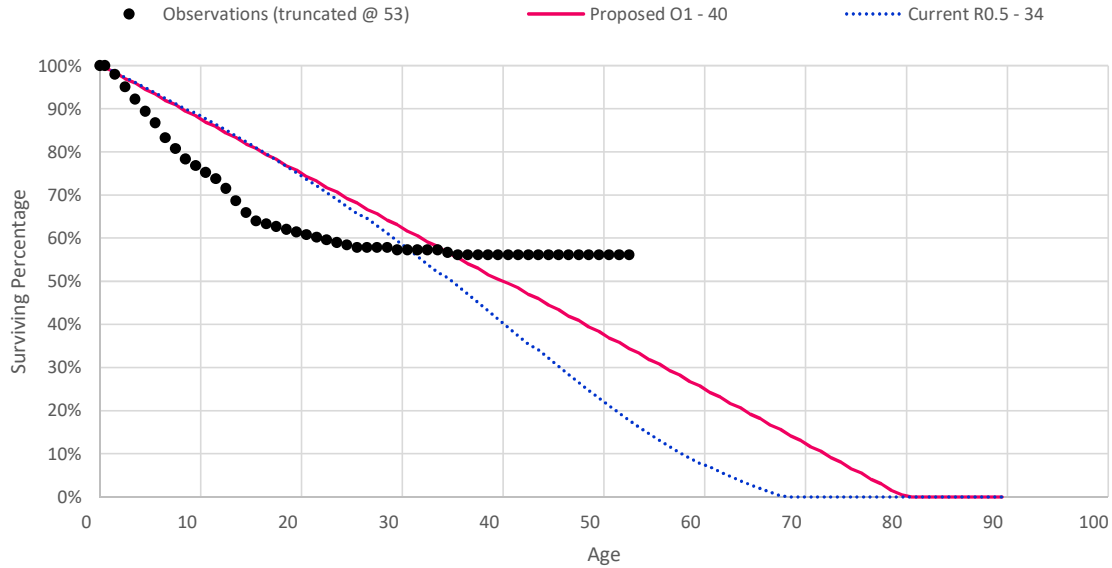


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared
L4	8	L4 - 38	1	(0.000)	0.000	0.000	0.000
S4	210	S4 - 38	1	(0.000)	0.000	0.000	0.000
L5	201	L5 - 38	1	(0.000)	0.000	0.000	0.000
R5	210	R5 - 38	1	(0.000)	0.000	0.000	0.000
S5	201	S5 - 38	1	(0.000)	0.000	0.000	0.000
S6	201	S6 - 38	1	(0.000)	0.000	0.000	0.000
SQ	204	SQ - 38	1	(0.000)	0.000	0.000	0.000
S3.5	8	S3.5 - 18 11/12	985	0.000	0.000	0.000	0.000
H5.00	8	H5.00 - 18 11/12	985	0.000	0.000	0.000	0.000
S3	8	S3 - 38	1,034	0.000	0.000	0.000	0.000
L3.5	29	L3.5 - 16 11/12	1,119	0.002	0.002	0.000	0.000
H4.00	23	H4.00 - 38	1,127	0.004	0.004	0.000	0.000
R4	11	R4 - 38	1,149	0.005	0.005	0.000	0.000
S2.5	11	S2.5 - 38	1,153	0.004	0.004	0.000	0.000
GM5.5	37	GM5.5 - 38	1,164	0.007	0.007	0.000	0.000
L3	20	L3 - 38	1,191	0.005	0.005	0.000	0.000
S2	17	S2 - 38	1,233	0.007	0.007	0.000	0.000
GM5.0	20	GM5.0 - 38	1,283	0.020	0.020	0.000	0.000
R3.5	20	R3.5 - 38	1,298	0.023	0.023	0.000	0.000
L2.5	20	L2.5 - 38	1,324	0.024	0.024	0.000	0.000
GM4.5	20	GM4.5 - 38	1,345	0.034	0.034	0.000	0.000
S1.5	20	S1.5 - 38	1,355	0.032	0.032	0.000	0.000
H3.00	20	H3.00 - 38	1,373	0.041	0.041	0.000	0.001
R3	20	R3 - 38	1,380	0.042	0.042	0.000	0.001
L2	20	L2 - 38	1,412	0.043	0.043	0.000	0.001
GM4.0	20	GM4.0 - 38	1,443	0.065	0.065	0.001	0.001
S1	20	S1 - 38	1,445	0.057	0.057	0.001	0.001

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.5	20	GM3.5 - 38	1,492	0.084	0.084	0.001	0.002
R2.5	20	R2.5 - 38	1,512	0.102	0.102	0.002	0.003
H2.50	20	H2.50 - 38	1,517	0.102	0.102	0.002	0.003
L1.5	20	L1.5 - 38	1,546	0.110	0.110	0.002	0.004
GM3.0	20	GM3.0 - 38	1,572	0.130	0.130	0.003	0.006
S0.5	20	S0.5 - 38	1,590	0.138	0.138	0.003	0.007
R2	20	R2 - 38	1,607	0.162	0.162	0.004	0.008
L1	20	L1 - 38	1,635	0.177	0.177	0.005	0.011
GM2.5	20	GM2.5 - 38	1,651	0.190	0.190	0.006	0.011
H2.00	20	H2.00 - 38	1,665	0.209	0.209	0.007	0.013
S0	20	S0 - 38	1,693	0.219	0.219	0.008	0.016
R1.5	20	R1.5 - 38	1,718	0.266	0.266	0.010	0.020
L0.5	20	L0.5 - 38	1,757	0.314	0.314	0.016	0.031
GM2.0	20	GM2.0 - 38	1,764	0.333	0.333	0.016	0.032
R0.5	21	R0.5 - 50 1/6	1,776	0.355	0.355	0.018	0.036
H1.50	20	H1.50 - 38	1,782	0.360	0.360	0.019	0.037
R1	20	R1 - 38	1,787	0.370	0.370	0.019	0.038
GM1.5	20	GM1.5 - 38	1,828	0.404	0.404	0.024	0.048
S-.5	20	S-.5 - 38	1,841	0.430	0.430	0.027	0.053
L0	20	L0 - 38	1,858	0.451	0.451	0.031	0.063
H1.00	20	H1.00 - 38	1,896	0.528	0.528	0.039	0.078
GM1.0	20	GM1.0 - 38	1,903	0.529	0.529	0.040	0.079
O1	20	O1 - 38	1,952	0.642	0.642	0.056	0.112
H0.50	20	H0.50 - 38	1,965	0.685	0.685	0.065	0.129
O2	20	O2 - 38	1,975	0.721	0.721	0.071	0.142
O3	20	O3 - 38	2,039	1.048	1.048	0.149	0.298
O4	20	O4 - 38	2,069	1.398	1.398	0.264	0.527

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E371.00-InstallIns -Cust Prem

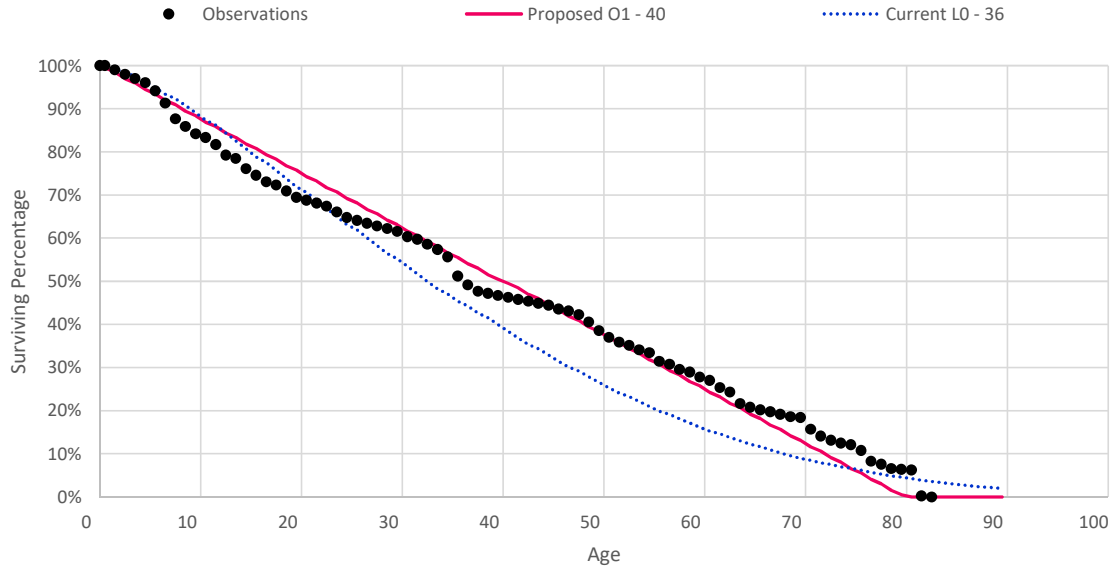


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O4	15	O4 - 75	1	(0.738)	3.340	0.298	1.165
O3	15	O3 - 62 1/2	5	(1.677)	3.673	0.367	1.432
O1	22	O1 - 41	12	(1.575)	4.268	0.487	1.903
O2	27	O2 - 47 1/6	14	(1.918)	4.273	0.489	1.906
H0.50	26	H0.50 - 46 5/12	31	(1.761)	4.342	0.504	1.964
GM1.0	23	GM1.0 - 44 1/4	63	(2.117)	5.007	0.661	2.571
H1.00	17	H1.00 - 44 1/4	72	(2.397)	5.045	0.672	2.614
L0	24	L0 - 44 1/4	73	(2.043)	5.076	0.677	2.616
R0.5	25	R0.5 - 41	87	(2.716)	5.154	0.702	2.741
S-.5	21	S-.5 - 41	91	(2.524)	5.305	0.743	2.890
GM1.5	17	GM1.5 - 44 1/4	121	(3.033)	5.607	0.829	3.220
L0.5	18	L0.5 - 44 1/4	138	(3.005)	5.830	0.899	3.477
H1.50	17	H1.50 - 44 1/12	141	(3.822)	6.027	0.963	3.749
GM2.0	20	GM2.0 - 41	147	(2.856)	6.114	0.979	3.812
R1	21	R1 - 41	154	(3.856)	6.146	0.991	3.870
S0	21	S0 - 41	172	(3.473)	6.380	1.067	4.134
L1	18	L1 - 44 1/12	197	(3.899)	6.617	1.172	4.541
GM2.5	20	GM2.5 - 41	212	(3.945)	7.090	1.311	5.108
R1.5	21	R1.5 - 41	215	(4.673)	7.113	1.313	5.136
H2.00	20	H2.00 - 41	218	(3.805)	7.177	1.340	5.227
S0.5	21	S0.5 - 41	221	(4.153)	7.202	1.357	5.277
L1.5	18	L1.5 - 44 1/12	257	(4.730)	7.562	1.512	5.888
GM3.0	20	GM3.0 - 41	260	(4.693)	7.706	1.545	6.028
S1	21	S1 - 41	274	(4.833)	8.038	1.689	6.585
R2	21	R2 - 41	276	(5.489)	8.084	1.687	6.607
H2.50	20	H2.50 - 41	300	(4.898)	8.340	1.801	7.047
GM3.5	20	GM3.5 - 41	311	(5.490)	8.427	1.835	7.174

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2	18	L2 - 44 1/12	317	(5.562)	8.509	1.913	7.473
S1.5	21	S1.5 - 41	332	(5.394)	8.816	2.017	7.889
R2.5	21	R2.5 - 41	339	(6.107)	9.035	2.084	8.177
GM4.0	20	GM4.0 - 41	346	(6.197)	9.120	2.134	8.369
L2.5	20	L2.5 - 41 1/6	364	(4.731)	9.370	2.246	8.802
H3.00	20	H3.00 - 41	378	(5.721)	9.391	2.267	8.892
S2	21	S2 - 41	397	(5.956)	9.599	2.383	9.347
R3	18	R3 - 44 1/12	421	(8.646)	10.024	2.590	10.185
GM4.5	17	GM4.5 - 44 1/12	424	(8.771)	10.092	2.631	10.346
L3	21	L3 - 41 1/6	430	(5.428)	10.256	2.668	10.489
S2.5	20	S2.5 - 41	439	(6.370)	10.300	2.713	10.668
R3.5	17	R3.5 - 44 1/12	475	(9.191)	10.751	2.944	11.596
L3.5	17	L3.5 - 44 1/12	486	(8.055)	10.965	3.042	11.983
H4.00	17	H4.00 - 44 1/12	489	(8.803)	10.930	3.069	12.094
GM5.0	17	GM5.0 - 44 1/12	495	(9.583)	11.056	3.101	12.224
S3	18	S3 - 44 1/12	497	(8.855)	10.962	3.103	12.229
R4	18	R4 - 44 1/4	540	(9.847)	11.472	3.328	13.126
S3.5	17	S3.5 - 44 1/4	554	(9.479)	11.682	3.459	13.651
L4	18	L4 - 44 1/4	560	(9.010)	11.773	3.466	13.679
H5.00	17	H5.00 - 44 1/4	577	(9.647)	11.904	3.581	14.140
S4	18	S4 - 44 1/4	614	(10.003)	12.392	3.857	15.243
L5	18	L5 - 44 1/4	647	(10.029)	13.068	4.185	16.554
R5	24	R5 - 44 1/4	657	(10.650)	13.102	4.238	16.767
GM5.5	23	GM5.5 - 45 5/6	681	(12.218)	13.470	4.431	17.542
S5	32	S5 - 44 1/4	701	(10.670)	13.654	4.559	18.053
S6	202	S6 - 99 1/2	934	(16.803)	16.803	6.412	25.465
SQ	202	SQ - 99 1/2	934	(16.803)	16.803	6.412	25.465

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E373.20-St. Lghtg & Sgnl Sys

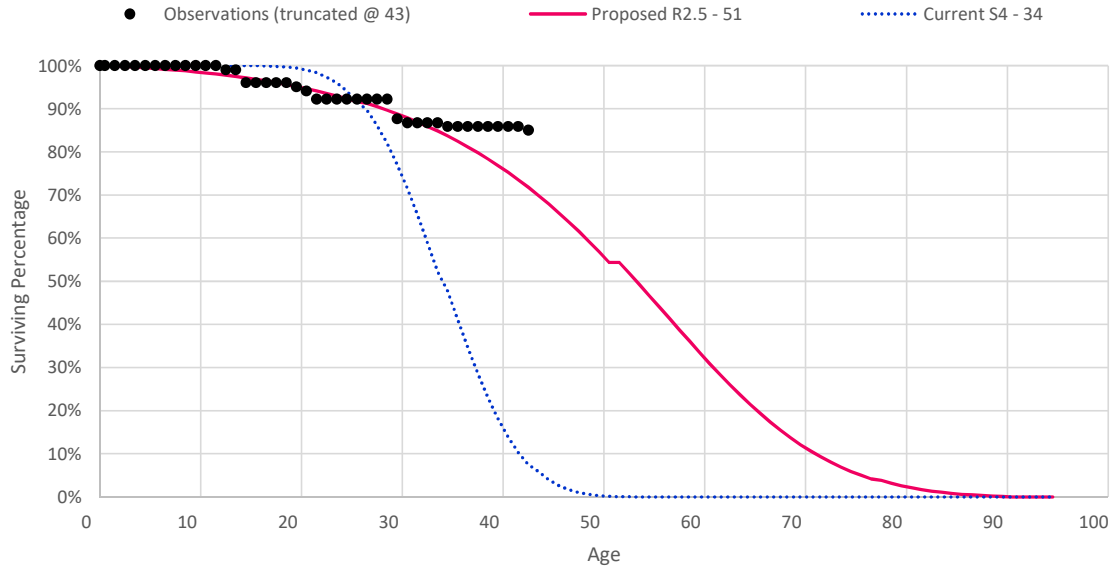


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
H0.50		31	H0.50 - 42 2/3	1	(0.777)	2.102	0.086	0.194
O2		30	O2 - 43 5/12	9	(0.856)	2.162	0.093	0.203
O1		37	O1 - 40	19	(0.044)	2.273	0.091	0.236
L0		211	L0 - 42 1/6	46	(1.014)	2.618	0.128	0.380
GM1.0		31	GM1.0 - 42	62	(0.851)	2.613	0.127	0.391
H1.00		29	H1.00 - 41 2/3	90	(0.706)	2.751	0.136	0.430
O3		40	O3 - 51 1/6	122	(1.262)	3.653	0.336	0.505
GM1.5		29	GM1.5 - 41 2/3	194	(0.924)	3.553	0.221	0.722
S-.5		27	S-.5 - 41	208	(1.039)	3.817	0.242	0.754
L0.5		30	L0.5 - 41 2/3	217	(0.918)	3.660	0.242	0.785
R0.5		27	R0.5 - 41	237	(1.045)	4.139	0.275	0.845
O4		32	O4 - 63 11/12	266	(2.422)	5.114	0.654	0.959
H1.50		29	H1.50 - 41 2/3	306	(1.246)	4.564	0.342	1.139
GM2.0		29	GM2.0 - 41 2/3	339	(1.447)	4.924	0.391	1.294
L1		30	L1 - 41 2/3	368	(1.273)	4.889	0.425	1.403
S0		27	S0 - 41	410	(1.039)	5.870	0.534	1.627
R1		29	R1 - 41	442	(1.051)	6.462	0.637	1.912
L1.5		30	L1.5 - 41 2/3	475	(1.392)	6.447	0.697	2.335
GM2.5		31	GM2.5 - 41 2/3	487	(1.610)	6.970	0.752	2.437
H2.00		31	H2.00 - 41 2/3	491	(1.531)	6.922	0.745	2.448
S0.5		33	S0.5 - 41 2/3	519	(1.667)	7.227	0.812	2.584
R1.5		34	R1.5 - 41 2/3	541	(1.677)	8.108	0.996	3.125
GM3.0		31	GM3.0 - 41 2/3	570	(1.661)	8.432	1.082	3.464
L2		30	L2 - 41 2/3	581	(1.511)	8.006	1.051	3.547
S1		32	S1 - 41 2/3	600	(1.666)	8.791	1.187	3.786
H2.50		31	H2.50 - 41 2/3	628	(1.634)	9.190	1.291	4.220
R2		34	R2 - 41 2/3	663	(1.682)	9.938	1.482	4.684

San Diego Gas & Electric Company
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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.5	33	GM3.5 - 41 2/3	682	(1.675)	10.108	1.536	4.904
L2.5	29	L2.5 - 41 2/3	683	(1.569)	9.590	1.452	4.909
S1.5	32	S1.5 - 41 2/3	716	(1.666)	10.169	1.576	5.101
H3.00	31	H3.00 - 41 2/3	764	(1.660)	11.104	1.872	6.149
R2.5	34	R2.5 - 41 2/3	783	(1.683)	11.514	1.975	6.362
L3	30	L3 - 41	802	(1.007)	11.292	1.968	6.578
GM4.0	33	GM4.0 - 42 1/4	804	(2.319)	11.603	2.027	6.581
S2	32	S2 - 42 1/4	824	(2.301)	11.482	2.021	6.680
S2.5	33	S2.5 - 42 1/4	877	(2.301)	12.641	2.437	8.125
R3	34	R3 - 42 1/4	890	(2.322)	13.040	2.553	8.380
L3.5	11	L3.5 - 42 1/4	906	(2.269)	12.721	2.493	8.508
GM4.5	33	GM4.5 - 42 1/4	916	(2.324)	13.262	2.646	8.691
H4.00	33	H4.00 - 42 1/4	947	(2.301)	13.720	2.866	9.622
S3	34	S3 - 42 1/4	960	(2.301)	13.800	2.909	9.766
R3.5	33	R3.5 - 42 1/4	984	(2.324)	14.242	3.040	10.072
L4	12	L4 - 42 1/4	1,011	(2.283)	14.416	3.173	10.781
GM5.0	11	GM5.0 - 42 1/4	1,028	(2.329)	14.972	3.380	11.212
S3.5	11	S3.5 - 42 1/4	1,031	(2.301)	14.992	3.428	11.571
R4	12	R4 - 42 1/4	1,034	(2.326)	15.452	3.598	11.996
H5.00	11	H5.00 - 42 1/4	1,037	(2.301)	15.369	3.610	12.202
S4	12	S4 - 42 1/4	1,056	(2.301)	16.186	4.025	13.638
L5	12	L5 - 42 1/4	1,069	(2.290)	16.750	4.297	14.602
R5	12	R5 - 37 5/6	1,076	2.141	17.861	4.937	16.104
S5	14	S5 - 37 5/6	1,092	2.151	18.233	5.171	16.974
GM5.5	27	GM5.5 - 39 7/12	1,096	0.332	18.427	5.220	17.278
S6	202	S6 - 37 5/6	1,149	2.153	19.517	5.938	19.625
SQ	202	SQ - 37 5/6	1,246	1.956	21.966	7.525	24.747

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E390.00-Struct. and Improv.

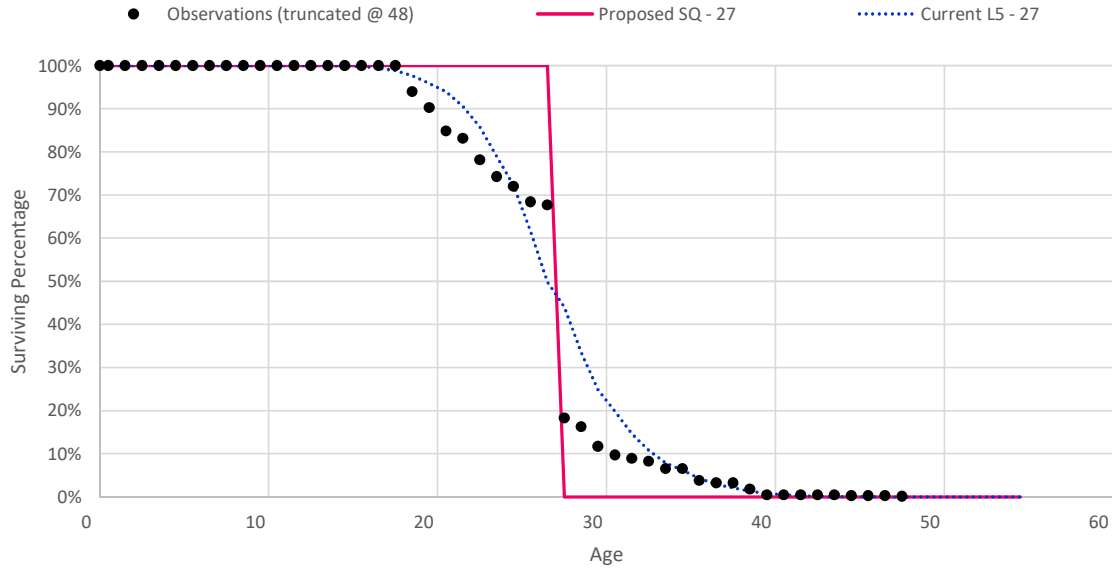


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O2		29	O2 - 159 1/6	1	0.142	0.836	0.018	0.036
H0.50		130	H0.50 - 152	11	0.186	0.838	0.019	0.037
O1		15	O1 - 139 1/4	15	0.260	0.854	0.019	0.038
O3		27	O3 - 221 1/4	84	0.346	0.853	0.019	0.039
R0.5		18	R0.5 - 118 1/2	147	0.030	0.864	0.020	0.040
R1		20	R1 - 97 2/3	169	(0.109)	0.899	0.023	0.046
S-.5		22	S-.5 - 111 3/4	175	0.018	0.898	0.023	0.047
GM1.0		11	GM1.0 - 139 1/4	193	(0.427)	0.963	0.026	0.053
L0		12	L0 - 124 11/12	196	(0.017)	0.930	0.027	0.053
GM1.5		21	GM1.5 - 111 3/4	197	(0.047)	0.980	0.028	0.056
H1.00		11	H1.00 - 139 1/4	198	(0.492)	0.987	0.028	0.056
GM2.0		19	GM2.0 - 97 2/3	216	0.013	1.014	0.031	0.062
H1.50		30	H1.50 - 97 2/3	219	0.268	1.004	0.033	0.067
R1.5		24	R1.5 - 84 1/4	229	(0.271)	1.130	0.035	0.070
L0.5		31	L0.5 - 111 1/4	257	(0.488)	1.202	0.040	0.079
S0		20	S0 - 97 2/3	289	(0.704)	1.255	0.044	0.088
O4		27	O4 - 250 1/4	308	1.307	1.377	0.052	0.104
H2.00		21	H2.00 - 84 1/6	312	(0.263)	1.381	0.055	0.110
GM2.5		21	GM2.5 - 84 1/6	318	(0.282)	1.386	0.056	0.113
R2		39	R2 - 77 1/6	345	(0.842)	1.520	0.063	0.125
S0.5		24	S0.5 - 84 1/4	357	(0.587)	1.511	0.066	0.132
L1		20	L1 - 97 2/3	367	(0.805)	1.546	0.068	0.135
GM3.0		42	GM3.0 - 80 1/6	380	(0.739)	1.573	0.070	0.141
GM3.5		32	GM3.5 - 74 1/3	470	(0.996)	1.804	0.093	0.186
R2.5		16	R2.5 - 70	476	(1.010)	1.829	0.094	0.189
H2.50		46	H2.50 - 77 1/6	484	(1.085)	1.850	0.097	0.193
L1.5		22	L1.5 - 84 1/6	507	(0.647)	1.834	0.099	0.197

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1	43	S1 - 79	537	(1.142)	1.956	0.106	0.212
GM4.0	14	GM4.0 - 70	573	(1.223)	2.008	0.114	0.228
S1.5	27	S1.5 - 74 1/3	630	(1.470)	2.260	0.140	0.279
L2	43	L2 - 80 1/6	654	(1.461)	2.329	0.149	0.298
R3	35	R3 - 65 3/4	657	(1.470)	2.311	0.150	0.300
GM4.5	36	GM4.5 - 65 1/3	694	(1.522)	2.383	0.157	0.315
H3.00	14	H3.00 - 70	695	(1.380)	2.370	0.157	0.315
L2.5	26	L2.5 - 74 1/3	757	(1.667)	2.573	0.180	0.360
S2	15	S2 - 70	773	(1.753)	2.692	0.197	0.393
R3.5	28	R3.5 - 63 1/12	777	(1.777)	2.682	0.198	0.396
GM5.0	28	GM5.0 - 62 5/12	797	(2.042)	2.804	0.215	0.430
S2.5	28	S2.5 - 67 1/2	818	(2.084)	2.945	0.235	0.470
L3	29	L3 - 70	841	(2.035)	3.011	0.244	0.489
R4	29	R4 - 62 5/12	861	(2.458)	3.122	0.265	0.531
L3.5	28	L3.5 - 67 1/2	876	(2.481)	3.168	0.272	0.545
H4.00	36	H4.00 - 65 1/3	880	(2.374)	3.170	0.274	0.547
S3	37	S3 - 65 1/3	924	(2.453)	3.286	0.294	0.589
L4	29	L4 - 63 1/12	974	(2.565)	3.487	0.329	0.658
S3.5	28	S3.5 - 63 1/12	981	(2.728)	3.539	0.338	0.677
H5.00	28	H5.00 - 63 1/12	1,004	(2.980)	3.650	0.362	0.724
S4	30	S4 - 62 5/12	1,068	(3.367)	3.918	0.419	0.837
GM5.5	221	GM5.5 - 58	1,070	(3.353)	3.938	0.419	0.838
R5	39	R5 - 59 1/4	1,122	(3.340)	3.997	0.435	0.869
L5	29	L5 - 60 7/12	1,157	(3.364)	4.040	0.444	0.888
S5	6	S5 - 111 5/12	1,487	(5.287)	5.287	0.726	1.452
S6	202	S6 - 111 1/2	1,491	(5.287)	5.287	0.726	1.452
SQ	205	SQ - 111 1/2	1,491	(5.287)	5.287	0.726	1.452

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E392.20-Transprtn Eq-Trailer

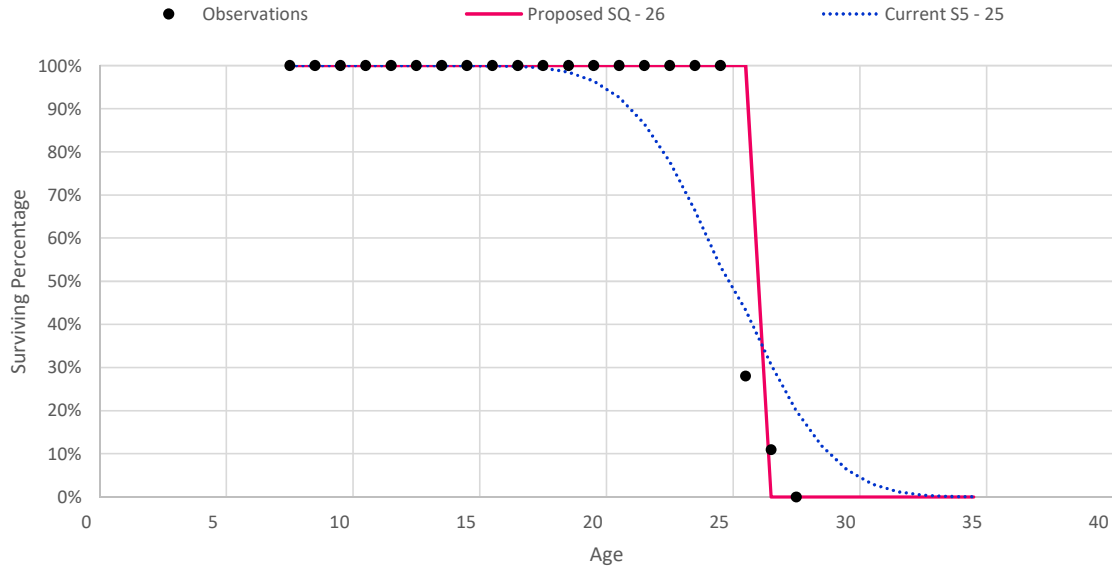


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R5	27	R5 - 26	1	(0.064)	1.477	0.131	0.278
R4	27	R4 - 26	3	(0.069)	1.626	0.198	0.305
S4	24	S4 - 26 5/12	7	(0.437)	1.470	0.178	0.324
GM5.5	26	GM5.5 - 25 3/4	8	0.223	1.574	0.140	0.325
L5	25	L5 - 26 5/12	14	(0.434)	1.376	0.143	0.347
H5.00	23	H5.00 - 26 5/12	20	(0.435)	1.531	0.207	0.362
GM5.0	26	GM5.0 - 26 5/12	25	(0.448)	1.914	0.300	0.370
S5	26	S5 - 26 5/12	31	(0.445)	1.686	0.169	0.384
S3.5	23	S3.5 - 26 5/12	36	(0.435)	1.668	0.226	0.391
R3.5	26	R3.5 - 26 5/12	46	(0.446)	2.133	0.319	0.420
L4	24	L4 - 28 1/12	52	(2.088)	2.601	0.423	0.482
H4.00	23	H4.00 - 26 5/12	60	(0.433)	2.368	0.318	0.535
S3	25	S3 - 27	64	(1.009)	2.481	0.396	0.542
GM4.5	26	GM4.5 - 26 5/12	79	(0.445)	2.755	0.439	0.582
R3	27	R3 - 26 5/12	83	(0.444)	2.869	0.442	0.598
L3.5	11	L3.5 - 28 1/12	94	(2.079)	3.269	0.513	0.616
S6	202	S6 - 26	108	(0.064)	2.000	0.235	0.653
S2.5	23	S2.5 - 26 7/12	115	(0.589)	3.086	0.448	0.710
R2.5	27	R2.5 - 26 5/12	144	(0.442)	3.851	0.612	0.857
GM4.0	26	GM4.0 - 26 5/12	148	(0.441)	3.758	0.611	0.864
L3	27	L3 - 28 1/4	168	(2.231)	4.390	0.704	0.915
S2	26	S2 - 26 7/12	174	(0.588)	3.810	0.590	0.935
H3.00	27	H3.00 - 26 7/12	184	(0.587)	4.057	0.612	0.972
GM3.5	27	GM3.5 - 26 5/12	225	(0.437)	4.702	0.789	1.191
R2	31	R2 - 26 5/12	229	(0.441)	4.870	0.843	1.211
S1.5	28	S1.5 - 26 7/12	230	(0.588)	4.675	0.767	1.214
L2.5	26	L2.5 - 29	242	(2.893)	5.645	1.019	1.250

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
H2.50	27	H2.50 - 28 1/12	271	(2.071)	5.758	1.086	1.372
S1	28	S1 - 28 1/12	296	(2.098)	6.059	1.223	1.562
GM3.0	27	GM3.0 - 26 7/12	306	(0.590)	5.797	1.030	1.591
R1.5	27	R1.5 - 26	315	(0.056)	5.902	1.058	1.650
L2	27	L2 - 29	319	(2.823)	6.724	1.277	1.679
SQ	205	SQ - 27	351	(1.011)	3.050	0.599	1.917
H2.00	32	H2.00 - 27 1/2	357	(1.417)	7.081	1.338	1.941
S0.5	28	S0.5 - 26 7/12	369	(0.590)	6.549	1.243	1.959
GM2.5	27	GM2.5 - 28 1/12	376	(2.048)	7.278	1.480	1.978
L1.5	27	L1.5 - 29	389	(2.706)	7.793	1.569	2.132
R1	27	R1 - 26	400	(0.057)	7.062	1.394	2.186
S0	27	S0 - 28 1/12	433	(2.096)	8.164	1.800	2.443
GM2.0	26	GM2.0 - 28 1/12	440	(1.919)	8.646	1.833	2.586
L1	27	L1 - 29	447	(2.589)	8.873	1.918	2.683
H1.50	30	H1.50 - 28 1/12	450	(1.772)	8.862	1.858	2.699
R0.5	27	R0.5 - 26	476	(0.054)	8.523	1.828	2.932
S-.5	27	S-.5 - 26	491	(0.049)	8.668	1.883	3.091
GM1.5	26	GM1.5 - 29	503	(2.301)	9.870	2.211	3.148
L0.5	27	L0.5 - 29 1/6	515	(2.416)	9.852	2.218	3.183
H1.00	26	H1.00 - 29	563	(2.119)	10.523	2.432	3.529
GM1.0	28	GM1.0 - 29 1/4	584	(2.181)	10.726	2.503	3.646
L0	29	L0 - 29 1/4	607	(2.196)	10.801	2.551	3.753
O1	27	O1 - 26	624	(0.051)	9.986	2.369	3.839
O2	28	O2 - 30 1/12	667	(1.998)	11.534	2.799	4.143
H0.50	27	H0.50 - 30 1/12	697	(2.330)	11.775	2.925	4.262
O3	33	O3 - 41 2/3	760	(4.715)	14.162	4.241	5.507
O4	11	O4 - 55 5/12	813	(5.866)	15.150	4.959	6.166

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E393.10-Stores Equip.-Other

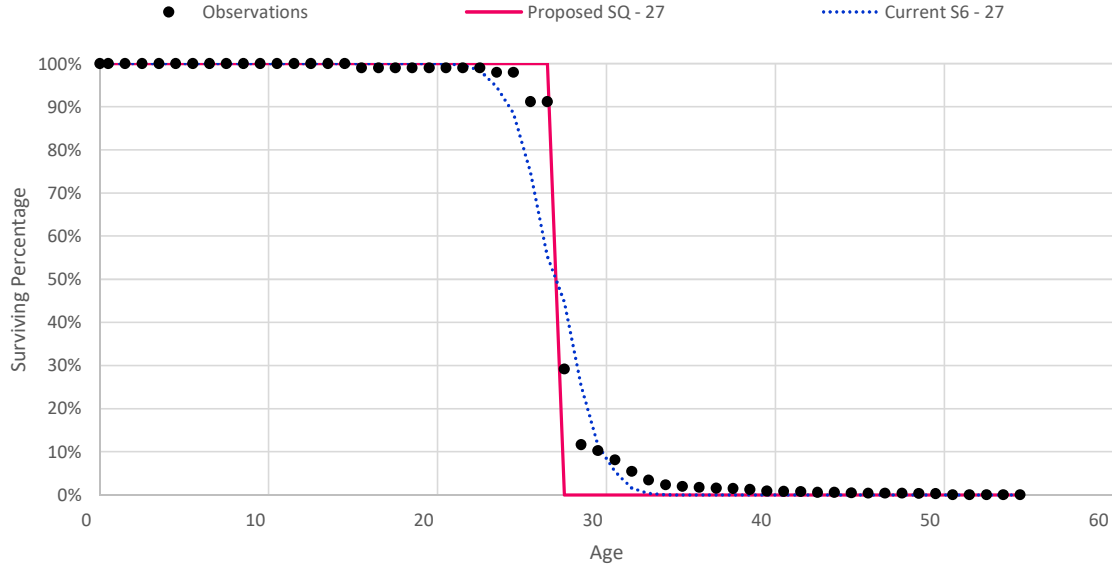


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
SQ		205	SQ - 25	1	0.392	0.392	0.092	0.252
GM5.5		20	GM5.5 - 24 3/4	4	0.637	1.787	0.375	0.721
S5		25	S5 - 24 3/4	7	0.680	1.913	0.493	0.927
R5		22	R5 - 24 3/4	8	0.677	2.188	0.524	0.969
L5		22	L5 - 26 1/2	18	(0.513)	2.535	0.692	1.052
S4		25	S4 - 26 3/4	35	(0.659)	2.951	0.909	1.337
L4		25	L4 - 26 3/4	38	(0.059)	3.283	0.944	1.447
H5.00		27	H5.00 - 26 3/4	40	(0.440)	3.232	0.992	1.470
R4		22	R4 - 24 3/4	42	0.888	3.336	0.853	1.478
S3.5		27	S3.5 - 26 3/4	52	(0.337)	3.360	1.031	1.534
GM5.0		22	GM5.0 - 24 3/4	62	0.907	3.621	0.942	1.601
L3.5		25	L3.5 - 27 2/3	81	(0.069)	3.733	1.145	1.712
R3.5		22	R3.5 - 24 3/4	83	1.096	3.828	1.017	1.738
H4.00		25	H4.00 - 26 3/4	88	0.015	3.790	1.171	1.769
S3		25	S3 - 26 3/4	95	(0.014)	3.770	1.180	1.782
L3		27	L3 - 29 1/4	142	(0.293)	4.045	1.358	1.956
S2.5		25	S2.5 - 27 2/3	151	(0.159)	4.113	1.361	1.987
GM4.5		25	GM4.5 - 26 3/4	163	0.029	4.326	1.390	2.044
S2		31	S2 - 27 2/3	190	0.205	4.470	1.473	2.196
L2.5		20	L2.5 - 30 1/3	197	(0.162)	4.457	1.541	2.209
H3.00		31	H3.00 - 27 2/3	205	0.338	4.592	1.487	2.227
S1.5		25	S1.5 - 28 7/12	265	0.257	4.832	1.641	2.417
L0		5	L0 - 59 7/12	349	(1.419)	5.517	2.730	3.531
H0.50		5	H0.50 - 59 7/12	353	(0.709)	5.941	2.685	3.575
O3		14	O3 - 74 1/4	356	(0.048)	6.238	2.610	3.590
GM1.0		5	GM1.0 - 59 7/12	357	(1.347)	5.629	2.773	3.594
O2		5	O2 - 59 7/12	362	(0.616)	6.011	2.693	3.601

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O4	8	O4 - 118	368	(0.754)	5.973	2.729	3.624
H1.00	5	H1.00 - 59 7/12	369	(1.413)	5.623	2.804	3.625
L0.5	5	L0.5 - 59 7/12	375	(2.098)	5.197	2.873	3.640
O1	5	O1 - 59 7/12	379	(1.058)	5.856	2.795	3.661
GM1.5	5	GM1.5 - 59 7/12	384	(1.883)	5.376	2.882	3.670
S-.5	5	S-.5 - 59 7/12	387	(1.860)	5.440	2.920	3.718
R0.5	5	R0.5 - 59 7/12	394	(1.700)	5.584	2.938	3.759
H1.50	5	H1.50 - 59 7/12	397	(2.208)	5.279	3.005	3.794
L1	5	L1 - 59 7/12	402	(2.777)	4.878	3.060	3.827
GM2.0	5	GM2.0 - 59 7/12	405	(2.323)	5.229	3.040	3.828
S0	5	S0 - 59 7/12	409	(2.662)	5.024	3.101	3.881
R1	5	R1 - 59 7/12	415	(2.341)	5.312	3.120	3.925
GM2.5	5	GM2.5 - 59 7/12	418	(3.002)	4.936	3.266	4.069
H2.00	5	H2.00 - 59 7/12	421	(2.984)	4.967	3.279	4.085
S0.5	5	S0.5 - 59 7/12	424	(3.160)	4.835	3.299	4.104
R1.5	5	R1.5 - 59 7/12	428	(2.865)	5.099	3.305	4.120
L1.5	5	L1.5 - 59 7/12	431	(3.303)	4.742	3.325	4.136
GM3.0	5	GM3.0 - 59 7/12	436	(3.355)	4.814	3.426	4.255
R2	5	R2 - 59 7/12	441	(3.388)	4.887	3.515	4.362
S1	5	S1 - 59 7/12	444	(3.659)	4.647	3.520	4.369
H2.50	5	H2.50 - 59 7/12	452	(3.624)	4.745	3.577	4.437
GM3.5	5	GM3.5 - 59 7/12	455	(3.679)	4.723	3.603	4.468
L2	5	L2 - 59 5/12	459	(3.827)	4.607	3.621	4.496
R2.5	5	R2.5 - 59 7/12	463	(3.756)	4.766	3.703	4.589
GM4.0	5	GM4.0 - 59 7/12	473	(3.897)	4.689	3.752	4.650
R3	5	R3 - 59 5/12	484	(4.122)	4.646	3.905	4.839
S6	201	S6 - 59 1/2	574	(4.608)	4.608	4.308	5.338

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E394.11-Portable Tools-Other

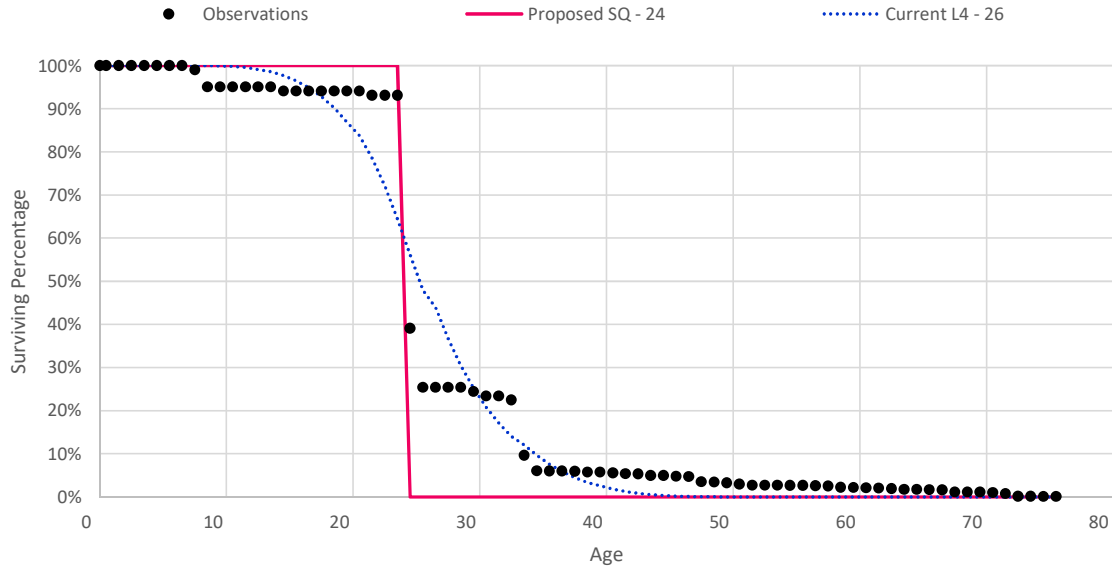


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S6		7	S6 - 27	1	(0.289)	1.695	0.188	0.381
GM5.5		28	GM5.5 - 26 5/12	2	0.255	1.745	0.214	0.407
SQ		9	SQ - 26 3/4	3	(0.289)	1.898	0.189	0.420
R5		24	R5 - 26 2/3	12	0.045	2.075	0.318	0.584
S5		6	S5 - 26 3/4	15	(0.013)	2.035	0.311	0.595
L5		25	L5 - 28 1/3	20	(1.624)	2.723	0.464	0.683
S4		24	S4 - 26 2/3	30	0.052	2.730	0.496	0.878
R4		29	R4 - 26 5/12	35	0.275	2.842	0.522	0.897
GM5.0		28	GM5.0 - 26 5/12	44	0.274	3.027	0.589	0.986
H5.00		23	H5.00 - 28 1/3	45	(1.634)	3.432	0.711	1.003
L4		24	L4 - 28 1/3	48	(1.625)	3.762	0.712	1.012
S3.5		23	S3.5 - 28 1/3	59	(1.634)	3.596	0.756	1.061
R3.5		28	R3.5 - 26 5/12	69	0.277	3.353	0.659	1.101
H4.00		23	H4.00 - 28 1/3	85	(1.635)	4.211	0.928	1.293
S3		24	S3 - 28 1/3	87	(1.635)	4.241	0.941	1.312
L3.5		23	L3.5 - 28 1/2	90	(1.780)	4.685	0.927	1.320
GM4.5		28	GM4.5 - 26 5/12	100	0.278	3.940	0.828	1.343
R3		29	R3 - 26 5/12	105	0.278	4.042	0.840	1.364
S2.5		23	S2.5 - 28 1/3	134	(1.635)	4.838	1.103	1.535
R2.5		29	R2.5 - 26 5/12	160	0.280	5.014	1.063	1.692
GM4.0		28	GM4.0 - 26 5/12	165	0.281	4.920	1.076	1.716
L3		26	L3 - 28 1/2	174	(1.777)	5.687	1.208	1.742
S2		24	S2 - 28 1/3	188	(1.635)	5.534	1.303	1.816
H3.00		23	H3.00 - 28 1/3	193	(1.633)	5.723	1.321	1.842
R2		35	R2 - 26 5/12	232	0.281	6.033	1.348	2.106
GM3.5		23	GM3.5 - 26 2/3	233	0.042	5.936	1.356	2.115
S1.5		24	S1.5 - 28 1/3	241	(1.634)	6.374	1.529	2.135

San Diego Gas & Electric Company
2019 GRC - APP

Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2.5	25	L2.5 - 28 1/2	248	(1.753)	6.688	1.480	2.147
H2.50	23	H2.50 - 28 1/3	279	(1.624)	7.011	1.634	2.295
S1	24	S1 - 28 1/2	301	(1.789)	7.324	1.816	2.524
GM3.0	23	GM3.0 - 26 2/3	307	0.045	6.979	1.628	2.546
R1.5	35	R1.5 - 26 5/12	313	0.285	7.185	1.660	2.574
L2	26	L2 - 28 1/2	335	(1.729)	7.774	1.813	2.653
H2.00	23	H2.00 - 28 1/2	374	(1.732)	8.619	2.056	2.909
S0.5	24	S0.5 - 26 2/3	380	0.047	7.727	1.883	2.938
GM2.5	23	GM2.5 - 28 1/2	388	(1.770)	8.601	2.103	2.953
L1.5	26	L1.5 - 28 1/2	405	(1.669)	8.882	2.130	3.121
R1	35	R1 - 26 5/12	410	0.285	8.364	2.042	3.143
S0	24	S0 - 26 2/3	475	0.047	8.737	2.210	3.422
GM2.0	23	GM2.0 - 28 1/2	492	(1.696)	10.036	2.501	3.574
H1.50	23	H1.50 - 28 1/2	504	(1.584)	10.283	2.540	3.678
L1	24	L1 - 28 1/2	507	(1.609)	10.006	2.504	3.683
R0.5	35	R0.5 - 26 5/12	547	0.288	9.839	2.526	3.901
S-.5	24	S-.5 - 26 2/3	573	0.046	10.089	2.642	4.061
GM1.5	23	GM1.5 - 28 1/2	582	(1.403)	11.067	2.796	4.132
L0.5	24	L0.5 - 28 1/2	588	(1.404)	11.022	2.814	4.188
H1.00	23	H1.00 - 28 1/2	621	(1.276)	11.766	3.036	4.515
GM1.0	23	GM1.0 - 28 1/2	634	(1.169)	11.944	3.103	4.656
L0	24	L0 - 28 1/2	646	(1.199)	12.039	3.172	4.775
O1	33	O1 - 25 1/12	653	1.585	10.672	2.949	4.822
O2	26	O2 - 30	681	(1.712)	13.123	3.528	5.180
H0.50	25	H0.50 - 28 1/2	695	(0.830)	12.891	3.471	5.302
O3	18	O3 - 37 7/12	728	(3.163)	15.792	4.779	6.732
O4	29	O4 - 59 1/3	737	(7.422)	17.818	6.320	7.741

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E394.20-Shop Equipment

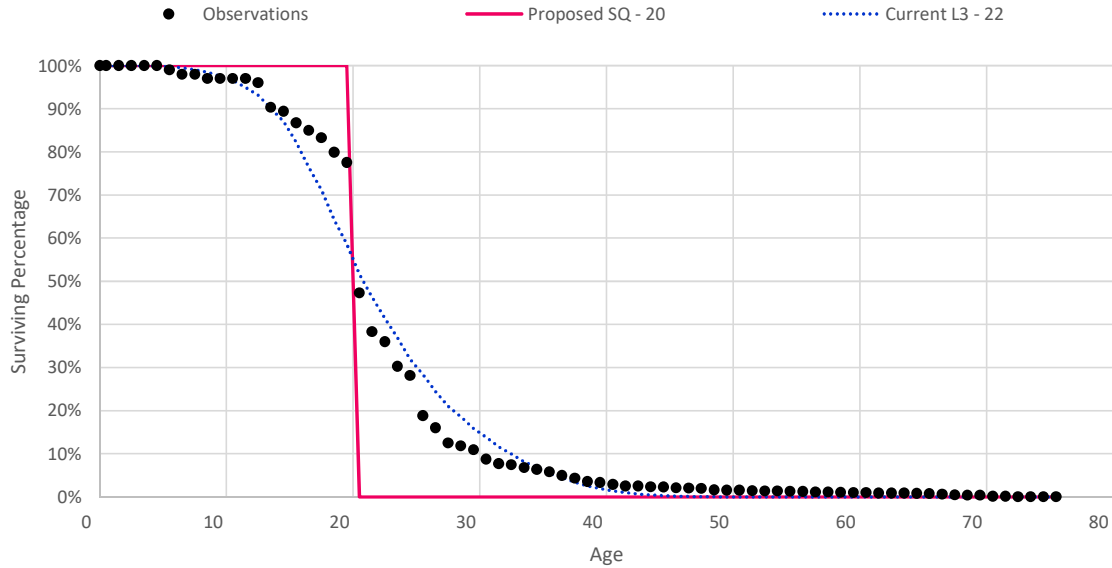


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L5	32	L5 - 25 2/3	1	0.907	3.374	0.318	0.758
L4	33	L4 - 25 2/3	2	0.901	3.114	0.341	0.764
H5.00	31	H5.00 - 25 2/3	21	0.890	3.446	0.380	0.898
S4	32	S4 - 25 2/3	22	0.891	3.555	0.377	0.900
S3.5	31	S3.5 - 25 2/3	23	0.890	3.414	0.387	0.910
L3.5	31	L3.5 - 25 2/3	24	0.902	3.214	0.420	0.911
H4.00	31	H4.00 - 25 2/3	53	0.889	3.442	0.432	1.003
R3.5	31	R3.5 - 24 3/4	55	1.800	3.616	0.445	1.019
S3	32	S3 - 25 2/3	56	0.889	3.525	0.443	1.024
R4	31	R4 - 24 5/6	72	1.664	3.755	0.447	1.049
GM5.0	29	GM5.0 - 24 1/4	95	2.286	3.849	0.486	1.100
R5	32	R5 - 24 5/6	96	1.670	3.898	0.450	1.107
S2.5	31	S2.5 - 25 2/3	110	0.889	3.655	0.499	1.145
L3	34	L3 - 25 11/12	123	0.640	3.675	0.563	1.188
R3	24	R3 - 23 3/4	137	2.799	3.965	0.575	1.218
GM4.5	23	GM4.5 - 23 3/4	140	2.798	4.019	0.580	1.238
GM5.5	31	GM5.5 - 24 1/4	148	2.295	4.001	0.498	1.259
H3.00	31	H3.00 - 25 2/3	173	0.889	3.893	0.590	1.331
S2	32	S2 - 25 2/3	175	0.889	3.977	0.591	1.333
R2.5	24	R2.5 - 23 3/4	183	2.800	4.061	0.634	1.338
GM4.0	23	GM4.0 - 23 3/4	202	2.800	4.096	0.651	1.371
L2.5	216	L2.5 - 26 1/6	236	0.390	4.211	0.706	1.470
S1.5	31	S1.5 - 24 3/4	256	1.800	4.200	0.702	1.494
R2	24	R2 - 23 3/4	282	2.800	4.533	0.748	1.581
GM3.5	23	GM3.5 - 23 3/4	285	2.804	4.354	0.762	1.590
H2.50	28	H2.50 - 24 5/6	303	1.702	4.449	0.772	1.643
L2	217	L2 - 26 1/6	351	0.388	4.956	0.912	1.854

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.0	25	GM3.0 - 23 3/4	368	2.806	4.814	0.907	1.877
S1	26	S1 - 23 3/4	371	2.809	4.722	0.917	1.883
R1.5	24	R1.5 - 23 3/4	374	2.803	5.174	0.900	1.896
SQ	205	SQ - 24	418	2.550	4.683	0.726	1.994
H2.00	25	H2.00 - 26	455	0.537	5.690	1.019	2.147
S0.5	26	S0.5 - 23 3/4	458	2.808	5.364	1.057	2.166
GM2.5	25	GM2.5 - 23 3/4	462	2.806	5.318	1.061	2.172
L1.5	217	L1.5 - 26 1/6	478	0.383	5.792	1.110	2.221
R1	24	R1 - 23 3/4	543	2.801	6.046	1.114	2.328
S0	26	S0 - 23 3/4	599	2.807	6.154	1.242	2.531
GM2.0	25	GM2.0 - 23 3/4	637	2.804	6.208	1.313	2.652
L1	29	L1 - 26	656	0.538	6.716	1.357	2.679
H1.50	28	H1.50 - 24 5/6	670	1.719	6.605	1.342	2.701
R0.5	24	R0.5 - 23 3/4	750	2.804	7.100	1.428	2.913
S5	6	S5 - 28 1/3	763	(1.789)	4.500	1.029	2.944
S-.5	26	S-.5 - 23 3/4	791	2.807	7.200	1.503	3.027
GM1.5	28	GM1.5 - 26	796	0.537	7.621	1.557	3.039
L0.5	29	L0.5 - 26	810	0.539	7.574	1.583	3.070
H1.00	28	H1.00 - 26	906	0.539	8.295	1.735	3.349
GM1.0	28	GM1.0 - 26	936	0.545	8.517	1.800	3.448
L0	29	L0 - 26	972	0.539	8.584	1.856	3.539
O1	24	O1 - 23 3/4	1,006	2.807	8.336	1.840	3.651
O2	217	O2 - 26 1/6	1,066	0.484	9.741	2.054	3.885
H0.50	28	H0.50 - 26	1,129	0.574	9.641	2.107	3.970
S6	202	S6 - 28 1/3	1,210	(1.780)	5.212	1.437	4.132
O3	24	O3 - 31 1/12	1,530	(2.600)	14.515	3.324	5.593
O4	34	O4 - 38 7/12	1,603	(5.375)	17.790	4.484	6.951

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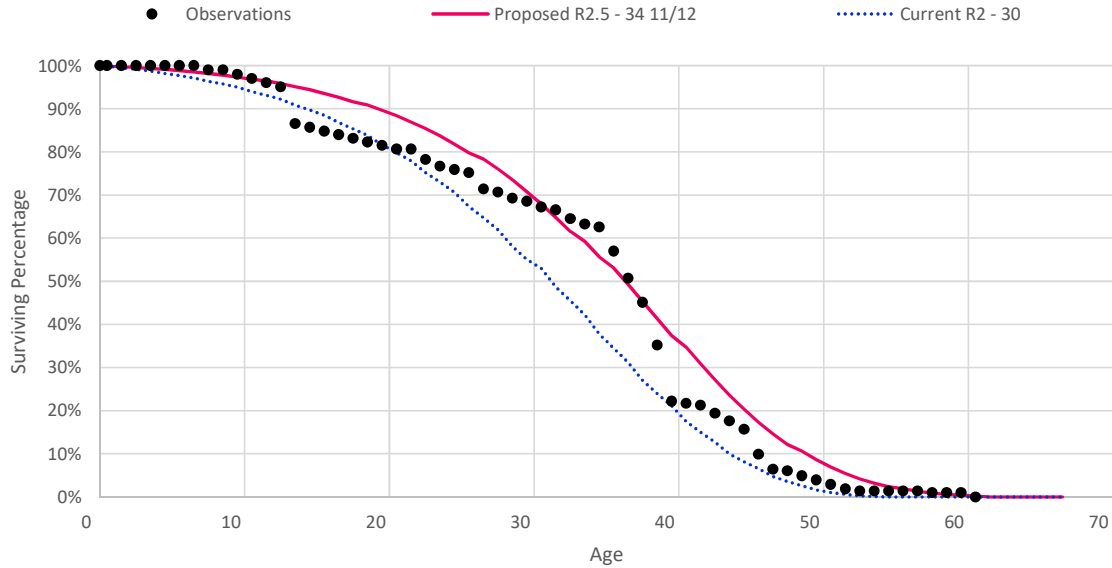


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L4	34	L4 - 21 3/4	1	0.630	1.595	0.068	0.156
L3.5	35	L3.5 - 21 11/12	10	0.448	1.526	0.077	0.195
S3.5	222	S3.5 - 21 1/2	13	0.855	1.911	0.100	0.206
H5.00	222	H5.00 - 21 1/2	15	0.855	2.008	0.106	0.209
S4	223	S4 - 21 1/2	40	0.855	2.234	0.131	0.236
H4.00	222	H4.00 - 21 1/2	42	0.855	1.831	0.101	0.237
L5	223	L5 - 21 1/2	44	0.863	2.296	0.135	0.240
R4	32	R4 - 21	49	1.343	2.126	0.135	0.243
R3.5	29	R3.5 - 20 5/6	55	1.493	2.067	0.122	0.246
S3	223	S3 - 21 1/2	58	0.855	1.903	0.108	0.248
GM5.0	29	GM5.0 - 20 5/6	81	1.491	2.162	0.140	0.258
S2.5	222	S2.5 - 21 1/2	142	0.855	2.031	0.130	0.308
R3	30	R3 - 20 5/6	146	1.493	2.223	0.140	0.310
GM4.5	29	GM4.5 - 20 5/6	154	1.492	2.254	0.144	0.314
L3	229	L3 - 22 1/6	188	0.191	1.965	0.146	0.335
R5	34	R5 - 21	282	1.347	2.769	0.231	0.404
S2	223	S2 - 21 1/2	295	0.855	2.359	0.180	0.415
H3.00	222	H3.00 - 21 1/2	302	0.855	2.376	0.180	0.420
R2.5	30	R2.5 - 20 5/6	313	1.494	2.606	0.184	0.424
GM4.0	29	GM4.0 - 20 5/6	335	1.494	2.610	0.190	0.433
L2.5	229	L2.5 - 22 1/6	444	0.188	2.557	0.239	0.509
S1.5	36	S1.5 - 21 3/4	528	0.618	2.841	0.256	0.554
GM3.5	31	GM3.5 - 20 5/6	571	1.498	2.919	0.259	0.586
R2	30	R2 - 20 5/6	602	1.494	3.144	0.276	0.615
GM5.5	33	GM5.5 - 20 5/6	609	1.487	3.050	0.317	0.618
H2.50	35	H2.50 - 21 3/4	623	0.618	3.038	0.294	0.628
S1	32	S1 - 21 7/12	765	0.775	3.373	0.360	0.752

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2	220	L2 - 22 3/4	777	(0.385)	3.520	0.401	0.757
GM3.0	31	GM3.0 - 21 1/3	816	1.016	3.453	0.370	0.784
R1.5	30	R1.5 - 20 5/6	897	1.497	3.740	0.401	0.855
H2.00	35	H2.00 - 21 11/12	993	0.437	4.010	0.487	0.957
S0.5	34	S0.5 - 21 7/12	1,026	0.775	4.008	0.493	0.984
GM2.5	33	GM2.5 - 21 11/12	1,030	0.436	4.092	0.507	0.988
L1.5	220	L1.5 - 22 3/4	1,077	(0.391)	4.352	0.563	1.031
R1	31	R1 - 20 5/6	1,232	1.497	4.478	0.581	1.178
S0	32	S0 - 21 1/3	1,318	1.020	4.658	0.654	1.278
GM2.0	41	GM2.0 - 21 2/3	1,367	0.678	4.917	0.705	1.349
L1	238	L1 - 22 1/6	1,406	0.180	4.987	0.736	1.380
H1.50	227	H1.50 - 22 1/6	1,465	0.180	5.225	0.758	1.407
R0.5	32	R0.5 - 20 5/6	1,723	1.502	5.397	0.834	1.623
S5	6	S5 - 23 3/4	1,782	(1.356)	3.756	0.631	1.677
GM1.5	237	GM1.5 - 22 1/6	1,789	0.178	5.814	0.915	1.685
S-.5	32	S-.5 - 21 1/3	1,794	1.023	5.652	0.899	1.688
L0.5	220	L0.5 - 22 3/4	1,831	(0.399)	6.031	0.961	1.706
H1.00	237	H1.00 - 22 1/6	2,148	0.177	6.390	1.065	1.942
GM1.0	219	GM1.0 - 22 3/4	2,279	(0.400)	6.849	1.154	2.033
L0	220	L0 - 22 3/4	2,379	(0.401)	6.909	1.193	2.099
O1	32	O1 - 20 5/6	2,532	1.507	6.486	1.172	2.192
O2	37	O2 - 23 1/4	2,814	(0.804)	8.082	1.395	2.423
H0.50	36	H0.50 - 23 1/4	2,884	(0.888)	8.090	1.446	2.472
S6	202	S6 - 23 3/4	2,918	(1.341)	4.249	0.919	2.498
SQ	205	SQ - 20	3,049	2.355	4.737	1.003	2.636
O3	18	O3 - 30 1/12	4,003	(5.828)	13.684	2.781	3.971
O4	12	O4 - 39 3/4	4,476	(9.625)	17.401	4.216	5.423

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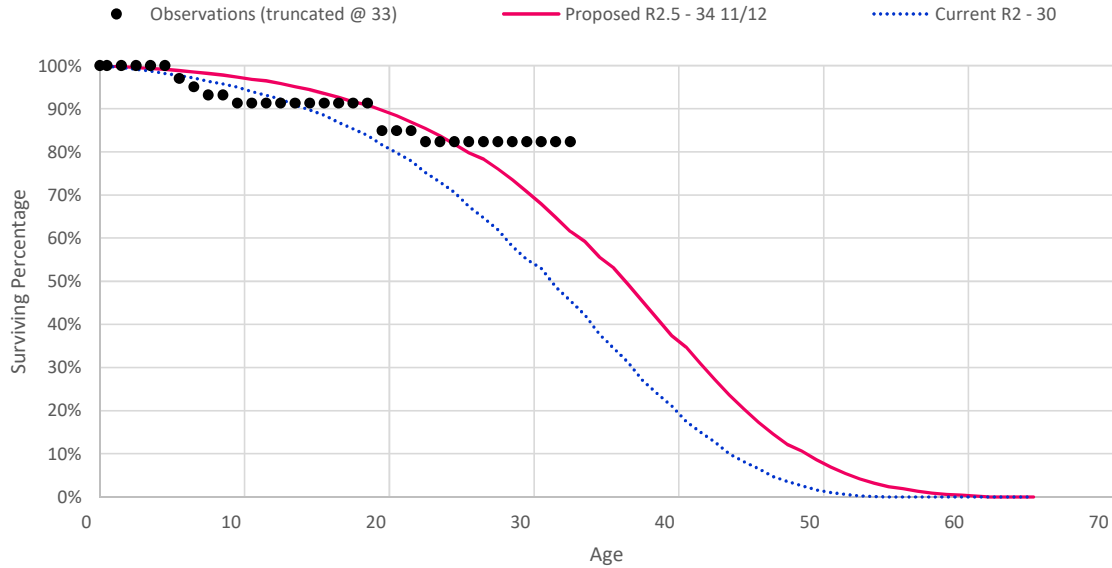


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2.5		26	R2.5 - 34 11/12	1	(1.743)	2.466	0.172	0.445
R2		26	R2 - 33 1/4	4	(0.100)	2.136	0.144	0.453
GM4.0		23	GM4.0 - 34 11/12	8	(1.742)	2.538	0.183	0.476
GM3.5		23	GM3.5 - 34 11/12	19	(1.719)	2.819	0.232	0.537
R3		24	R3 - 34 11/12	22	(1.746)	2.490	0.193	0.543
GM4.5		26	GM4.5 - 34 11/12	27	(1.748)	2.526	0.202	0.568
H3.00		23	H3.00 - 34 11/12	32	(1.680)	3.071	0.234	0.603
R1.5		24	R1.5 - 33 1/4	35	(0.072)	2.956	0.227	0.619
S1.5		24	S1.5 - 34 11/12	40	(1.704)	3.206	0.264	0.633
S2		24	S2 - 34 11/12	43	(1.723)	3.108	0.246	0.642
H2.50		20	H2.50 - 34 11/12	46	(1.576)	3.274	0.288	0.659
GM3.0		23	GM3.0 - 34 11/12	58	(1.628)	3.408	0.334	0.709
S2.5		23	S2.5 - 34 11/12	62	(1.726)	3.022	0.262	0.722
R3.5		26	R3.5 - 34 11/12	64	(1.748)	2.837	0.256	0.728
S1		25	S1 - 34 11/12	68	(1.684)	3.478	0.340	0.748
GM5.0		26	GM5.0 - 34 11/12	83	(1.754)	3.270	0.315	0.884
H4.00		23	H4.00 - 34 11/12	85	(1.725)	3.106	0.313	0.896
S3		24	S3 - 34 11/12	92	(1.728)	3.146	0.324	0.919
GM2.5		20	GM2.5 - 34 11/12	99	(1.453)	4.200	0.459	0.944
S0.5		21	S0.5 - 34 11/12	101	(1.617)	4.124	0.465	0.948
H2.00		20	H2.00 - 35 1/12	103	(1.470)	4.264	0.466	0.949
R1		24	R1 - 33 1/6	104	0.049	4.144	0.393	0.952
L2.5		23	L2.5 - 36 5/6	110	(3.151)	4.641	0.492	0.960
L3		24	L3 - 36 5/6	117	(3.383)	4.592	0.461	1.019
L3.5		222	L3.5 - 36	118	(2.694)	3.933	0.380	1.020
R4		27	R4 - 34 11/12	142	(1.751)	3.612	0.376	1.056
L2		24	L2 - 36 5/6	173	(2.919)	4.860	0.596	1.102

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S3.5	26	S3.5 - 34 11/12	205	(1.729)	3.695	0.425	1.246
S0	21	S0 - 34 11/12	213	(1.549)	5.077	0.654	1.269
L1.5	24	L1.5 - 36 5/6	214	(2.625)	5.085	0.711	1.271
L4	31	L4 - 35 3/4	233	(2.531)	3.709	0.441	1.324
GM2.0	20	GM2.0 - 35 1/12	260	(1.237)	5.516	0.707	1.383
H5.00	26	H5.00 - 34 11/12	263	(1.729)	3.928	0.471	1.388
H1.50	20	H1.50 - 35 1/12	298	(0.966)	5.775	0.743	1.501
R0.5	24	R0.5 - 33 1/6	318	0.138	5.938	0.702	1.558
L1	24	L1 - 36 5/6	330	(2.330)	5.863	0.893	1.593
S-.5	21	S-.5 - 33 1/4	390	0.078	6.205	0.779	1.759
S4	27	S4 - 34 11/12	391	(1.730)	4.493	0.590	1.760
GM1.5	23	GM1.5 - 36 5/6	433	(1.813)	6.768	1.053	1.868
L0.5	24	L0.5 - 37	447	(1.889)	6.748	1.076	1.936
H1.00	23	H1.00 - 37	504	(1.580)	7.516	1.221	2.165
L5	27	L5 - 34 11/12	526	(1.718)	5.024	0.732	2.290
GM1.0	17	GM1.0 - 38 2/3	529	(2.435)	7.807	1.413	2.301
L0	18	L0 - 38 2/3	547	(2.409)	7.874	1.444	2.385
O1	21	O1 - 33 1/4	553	0.166	7.748	1.147	2.407
R5	21	R5 - 34 11/12	554	(1.744)	5.388	0.803	2.408
O2	18	O2 - 38 5/6	592	(1.388)	8.562	1.507	2.647
H0.50	17	H0.50 - 38 5/6	618	(1.729)	8.781	1.628	2.782
GM5.5	20	GM5.5 - 35 1/12	632	(1.919)	5.838	0.941	2.898
S5	6	S5 - 33 1/4	741	(0.152)	6.591	1.232	3.892
O3	9	O3 - 61 1/6	765	(5.770)	10.593	3.093	4.168
O4	9	O4 - 61 1/3	780	(2.096)	11.337	2.702	4.392
S6	202	S6 - 33 1/4	858	(0.159)	7.612	1.744	5.765
SQ	202	SQ - 33 1/4	978	(0.800)	9.352	2.883	10.253

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Summary Results of Life Analysis
E397.20-Commun. Equip.-SWPL

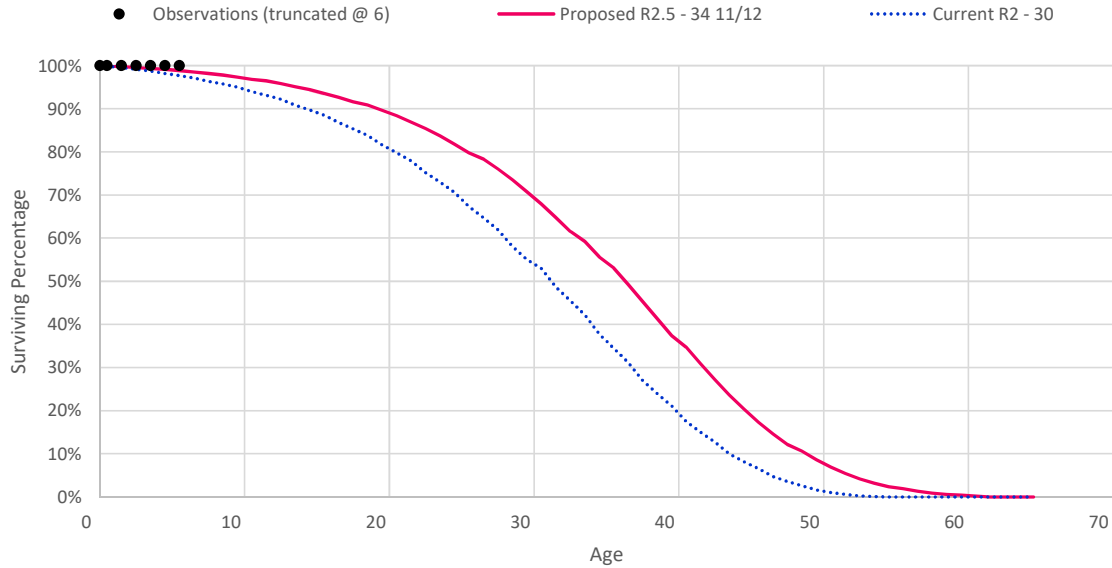


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O3	12	O3 - 124 1/4	1	(0.070)	0.532	0.012	0.024
O1	35	O1 - 76 1/6	2	(0.034)	0.540	0.012	0.024
O2	12	O2 - 85 7/12	3	(0.050)	0.542	0.012	0.024
H0.50	11	H0.50 - 81 7/12	4	0.004	0.548	0.013	0.025
O4	24	O4 - 168	6	(0.125)	0.553	0.013	0.026
R0.5	6	R0.5 - 62 5/12	29	(0.007)	0.574	0.013	0.027
H1.00	17	H1.00 - 69 5/12	42	(0.125)	0.605	0.015	0.030
GM1.0	17	GM1.0 - 69 7/12	45	(0.075)	0.615	0.016	0.031
R1	54	R1 - 52 1/6	53	(0.106)	0.644	0.017	0.035
S-.5	6	S-.5 - 59 1/3	98	0.001	0.656	0.019	0.037
L0	18	L0 - 69 5/12	109	(0.214)	0.696	0.021	0.041
H1.50	14	H1.50 - 57 7/12	116	(0.284)	0.722	0.022	0.044
GM1.5	5	GM1.5 - 65 5/12	122	(0.445)	0.738	0.023	0.047
GM2.0	14	GM2.0 - 57 7/12	131	(0.435)	0.766	0.025	0.050
R1.5	18	R1.5 - 45 1/3	141	(0.168)	0.785	0.028	0.056
S0	28	S0 - 52 2/3	154	(0.429)	0.889	0.035	0.070
L0.5	6	L0.5 - 56 1/3	167	0.019	0.866	0.037	0.074
H2.00	23	H2.00 - 49 1/3	183	(0.578)	0.964	0.039	0.079
GM2.5	23	GM2.5 - 49 1/3	193	(0.590)	0.976	0.041	0.081
R2	23	R2 - 41 1/4	227	(0.407)	1.039	0.048	0.096
S0.5	26	S0.5 - 47 1/4	237	(0.517)	1.071	0.050	0.101
GM3.0	25	GM3.0 - 45 1/3	252	(0.651)	1.122	0.054	0.107
L1	15	L1 - 57 7/12	270	(0.918)	1.171	0.058	0.116
L1.5	26	L1.5 - 49 1/3	290	(0.808)	1.282	0.068	0.137
GM3.5	20	GM3.5 - 41 1/4	296	(0.658)	1.281	0.070	0.140
R2.5	28	R2.5 - 39 1/6	299	(0.731)	1.294	0.070	0.141
H2.50	218	H2.50 - 43 5/12	301	(0.807)	1.303	0.071	0.141

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1	41	S1 - 44 7/12	386	(0.860)	1.356	0.078	0.155
GM4.0	25	GM4.0 - 39 1/6	441	(0.842)	1.417	0.084	0.168
S1.5	23	S1.5 - 41 1/4	530	(0.904)	1.553	0.100	0.201
L2	28	L2 - 45 1/3	560	(1.024)	1.612	0.107	0.214
R3	20	R3 - 37 5/12	565	(1.059)	1.632	0.109	0.218
H3.00	25	H3.00 - 41 1/4	589	(1.270)	1.660	0.113	0.226
GM4.5	19	GM4.5 - 37 5/12	594	(1.131)	1.671	0.114	0.228
L2.5	31	L2.5 - 42 7/12	641	(1.221)	1.767	0.128	0.256
S2	26	S2 - 39 1/6	666	(1.102)	1.829	0.138	0.275
R3.5	22	R3.5 - 37 1/12	684	(1.477)	1.868	0.142	0.284
GM5.0	20	GM5.0 - 35 1/3	720	(1.319)	1.946	0.156	0.311
S2.5	35	S2.5 - 38 3/4	738	(1.474)	2.004	0.163	0.326
L3	26	L3 - 41 1/4	767	(1.658)	2.050	0.172	0.345
R4	21	R4 - 35 1/3	788	(1.561)	2.137	0.186	0.372
L3.5	221	L3.5 - 38 1/4	795	(1.591)	2.157	0.189	0.378
H4.00	19	H4.00 - 37 5/12	810	(1.604)	2.156	0.191	0.381
S3	20	S3 - 37 5/12	874	(1.646)	2.222	0.203	0.406
L4	20	L4 - 37 1/12	945	(1.939)	2.362	0.228	0.457
S3.5	22	S3.5 - 37 1/12	973	(2.036)	2.397	0.237	0.474
H5.00	22	H5.00 - 37 1/12	1,024	(2.185)	2.477	0.256	0.511
S4	21	S4 - 35 1/3	1,080	(2.046)	2.635	0.290	0.580
GM5.5	29	GM5.5 - 33 11/12	1,090	(2.360)	2.669	0.296	0.591
R5	21	R5 - 35 1/6	1,127	(2.474)	2.723	0.310	0.620
L5	21	L5 - 35 1/3	1,129	(2.326)	2.729	0.310	0.621
S5	33	S5 - 35 1/3	1,215	(2.770)	2.941	0.368	0.736
S6	202	S6 - 65 1/2	1,418	(3.560)	3.560	0.523	1.046
SQ	202	SQ - 65 1/2	1,418	(3.560)	3.560	0.523	1.046

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E397.60-Commun. Equip.-SRPL

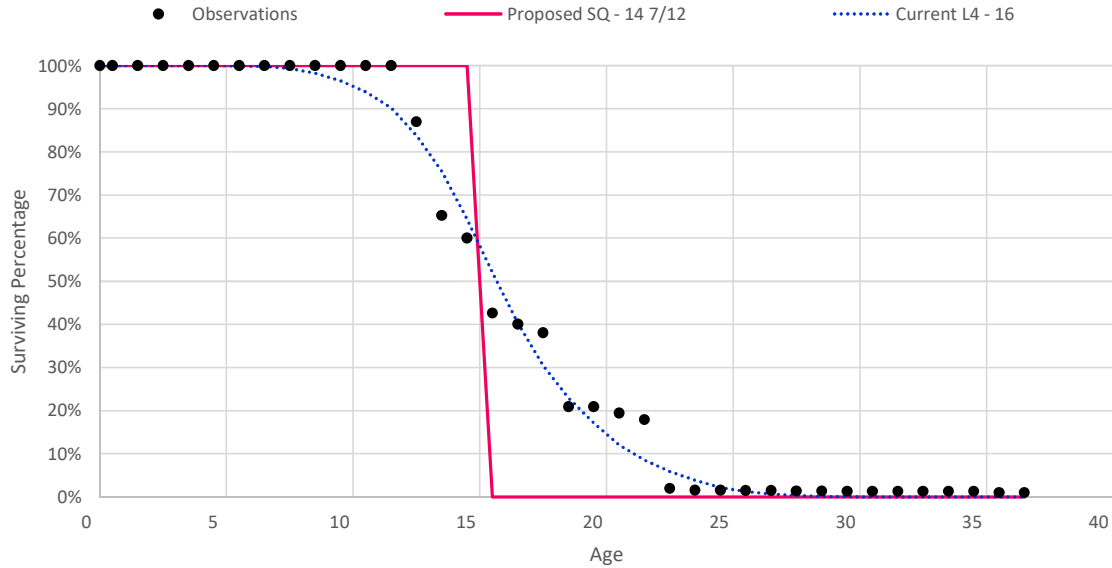


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L4	217	L4 - 22	1	0.000	0.000	0.000	0.000
S4	208	S4 - 22	1	0.000	0.000	0.000	0.000
R5	208	R5 - 22	1	0.000	0.000	0.000	0.000
L5	201	L5 - 22	1	0.000	0.000	0.000	0.000
S5	201	S5 - 22	1	0.000	0.000	0.000	0.000
S6	201	S6 - 22	1	0.000	0.000	0.000	0.000
SQ	201	SQ - 22	1	0.000	0.000	0.000	0.000
S3.5	19	S3.5 - 12 1/12	970	0.000	0.000	0.000	0.000
H5.00	23	H5.00 - 12 1/12	970	0.000	0.000	0.000	0.000
S3	8	S3 - 22	1,028	0.000	0.000	0.000	0.000
L3.5	19	L3.5 - 22	1,167	0.002	0.002	0.000	0.000
H4.00	11	H4.00 - 22	1,175	0.003	0.003	0.000	0.000
R4	19	R4 - 22	1,191	0.003	0.003	0.000	0.000
S2.5	19	S2.5 - 22	1,196	0.003	0.003	0.000	0.000
GM5.5	17	GM5.5 - 22	1,216	0.005	0.005	0.000	0.000
L3	17	L3 - 22	1,242	0.004	0.004	0.000	0.000
S2	17	S2 - 22	1,277	0.005	0.005	0.000	0.000
GM5.0	17	GM5.0 - 22	1,341	0.013	0.013	0.000	0.000
R3.5	17	R3.5 - 22	1,361	0.015	0.015	0.000	0.000
L2.5	17	L2.5 - 22	1,386	0.016	0.016	0.000	0.000
GM4.5	17	GM4.5 - 22	1,411	0.022	0.022	0.000	0.000
S1.5	17	S1.5 - 22	1,416	0.021	0.021	0.000	0.000
H3.00	17	H3.00 - 22	1,430	0.026	0.026	0.000	0.000
R3	17	R3 - 22	1,431	0.027	0.027	0.000	0.000
R2.5	18	R2.5 - 34 11/12	1,459	0.034	0.034	0.000	0.001
L2	17	L2 - 22	1,463	0.029	0.029	0.000	0.001
GM4.0	17	GM4.0 - 22	1,495	0.041	0.041	0.000	0.001

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1	17	S1 - 22	1,498	0.038	0.038	0.001	0.001
GM3.5	17	GM3.5 - 22	1,531	0.054	0.054	0.001	0.002
H2.50	17	H2.50 - 22	1,551	0.064	0.064	0.001	0.002
R2	19	R2 - 30	1,555	0.069	0.069	0.001	0.002
L1.5	17	L1.5 - 22	1,582	0.071	0.071	0.002	0.003
GM3.0	17	GM3.0 - 22	1,599	0.082	0.082	0.002	0.004
S0.5	17	S0.5 - 22	1,614	0.088	0.088	0.002	0.005
L1	17	L1 - 22	1,653	0.113	0.113	0.004	0.007
GM2.5	17	GM2.5 - 22	1,659	0.120	0.120	0.004	0.008
H2.00	17	H2.00 - 22	1,672	0.132	0.132	0.004	0.009
S0	17	S0 - 22	1,699	0.139	0.139	0.005	0.011
R1.5	17	R1.5 - 22	1,719	0.166	0.166	0.007	0.013
L0.5	17	L0.5 - 22	1,757	0.198	0.198	0.010	0.021
GM2.0	17	GM2.0 - 22	1,758	0.209	0.209	0.011	0.021
H1.50	17	H1.50 - 22	1,774	0.225	0.225	0.012	0.024
R1	17	R1 - 22	1,779	0.231	0.231	0.012	0.025
GM1.5	17	GM1.5 - 22	1,811	0.253	0.253	0.016	0.031
S-.5	17	S-.5 - 22	1,822	0.269	0.269	0.017	0.035
L0	17	L0 - 22	1,841	0.283	0.283	0.021	0.041
R0.5	17	R0.5 - 22	1,857	0.315	0.315	0.023	0.045
H1.00	17	H1.00 - 22	1,873	0.329	0.329	0.025	0.050
GM1.0	17	GM1.0 - 22	1,878	0.330	0.330	0.026	0.051
O1	17	O1 - 22	1,923	0.399	0.399	0.036	0.072
H0.50	17	H0.50 - 22	1,939	0.427	0.427	0.042	0.083
O2	17	O2 - 22	1,947	0.449	0.449	0.045	0.091
O3	17	O3 - 22	2,013	0.651	0.651	0.095	0.191
O4	17	O4 - 22	2,047	0.868	0.868	0.168	0.336

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
E398.10-Misc. Equip. - Other

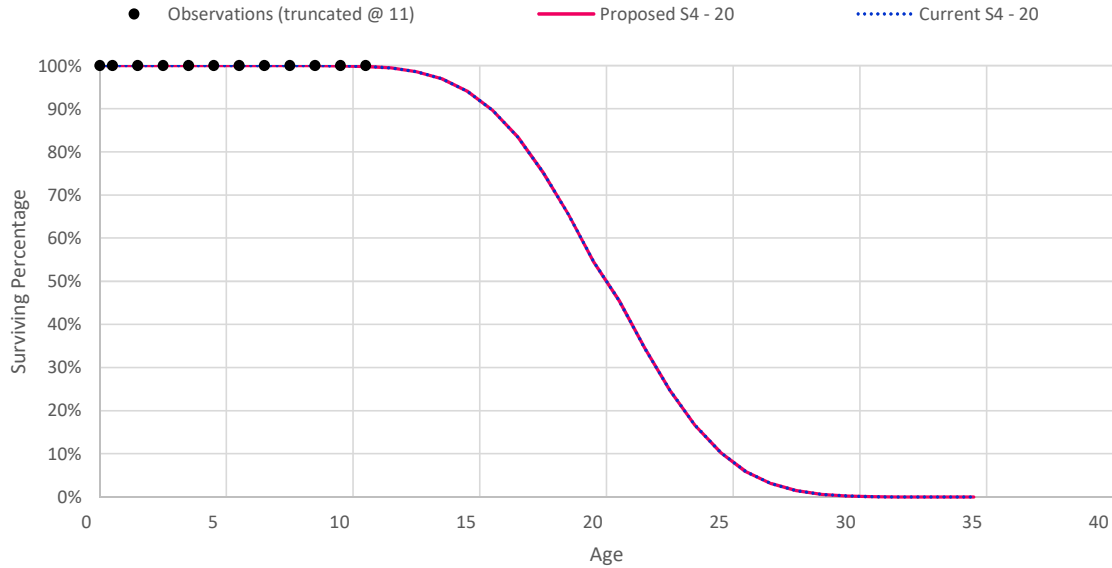


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L3.5	23	L3.5 - 16 1/12	1	0.255	1.066	0.069	0.140
L4	26	L4 - 16	3	0.336	0.995	0.063	0.148
S3	27	S3 - 15 2/3	5	0.671	1.088	0.079	0.154
H4.00	26	H4.00 - 15 2/3	7	0.671	1.106	0.079	0.156
S3.5	26	S3.5 - 15 2/3	13	0.670	1.094	0.085	0.172
H5.00	26	H5.00 - 15 2/3	19	0.670	1.122	0.092	0.190
S2.5	26	S2.5 - 15 2/3	21	0.671	1.189	0.098	0.195
L3	24	L3 - 16 1/4	32	0.091	1.364	0.118	0.219
R3.5	26	R3.5 - 15 1/2	40	0.820	1.402	0.119	0.239
R3	27	R3 - 15 1/2	48	0.821	1.450	0.124	0.253
GM4.5	26	GM4.5 - 15 1/2	49	0.820	1.461	0.127	0.256
S4	27	S4 - 15 2/3	52	0.670	1.220	0.119	0.259
S2	27	S2 - 15 2/3	62	0.671	1.370	0.137	0.280
GM5.0	26	GM5.0 - 15 1/2	66	0.817	1.501	0.140	0.283
R4	27	R4 - 15 1/2	68	0.819	1.452	0.138	0.286
H3.00	26	H3.00 - 15 2/3	79	0.671	1.460	0.147	0.299
GM4.0	26	GM4.0 - 15 1/2	100	0.823	1.568	0.157	0.331
R2.5	27	R2.5 - 15 1/2	108	0.823	1.623	0.161	0.339
L2.5	26	L2.5 - 16 1/4	140	0.091	1.884	0.208	0.385
S1.5	27	S1.5 - 15 2/3	155	0.671	1.721	0.202	0.411
L5	24	L5 - 16 1/12	160	0.252	1.314	0.148	0.414
GM3.5	26	GM3.5 - 15 1/2	173	0.827	1.804	0.216	0.449
R2	27	R2 - 15 1/12	193	1.241	1.926	0.238	0.488
H2.50	26	H2.50 - 15 2/3	197	0.671	1.978	0.246	0.493
S1	27	S1 - 15 2/3	225	0.671	2.176	0.292	0.589
L2	27	L2 - 16 2/3	231	(0.405)	2.612	0.342	0.608
GM3.0	222	GM3.0 - 15 7/12	239	0.748	2.278	0.309	0.624

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R5	24	R5 - 16 1/12	274	0.242	1.717	0.247	0.673
R1.5	27	R1.5 - 15 1/12	290	1.243	2.370	0.340	0.696
S5	30	S5 - 15 1/12	311	1.252	1.692	0.292	0.748
H2.00	26	H2.00 - 15 2/3	328	0.672	2.770	0.411	0.800
S0.5	223	S0.5 - 15 7/12	329	0.749	2.711	0.406	0.802
GM2.5	222	GM2.5 - 15 7/12	342	0.748	2.756	0.414	0.815
L1.5	27	L1.5 - 16 2/3	397	(0.395)	3.281	0.488	0.863
R1	27	R1 - 15 1/12	468	1.242	2.983	0.482	0.974
GM5.5	23	GM5.5 - 15 1/12	472	1.240	2.005	0.365	0.983
S0	31	S0 - 15 1/3	516	0.992	3.185	0.540	1.062
GM2.0	26	GM2.0 - 15 2/3	561	0.671	3.542	0.603	1.151
L1	27	L1 - 16 2/3	575	(0.384)	3.959	0.667	1.178
H1.50	26	H1.50 - 16 1/12	589	0.275	3.880	0.655	1.210
R0.5	18	R0.5 - 15 1/12	638	1.243	3.783	0.698	1.366
S-.5	31	S-.5 - 15 1/3	655	0.992	3.946	0.740	1.418
GM1.5	23	GM1.5 - 16 1/12	675	0.318	4.372	0.796	1.456
L0.5	27	L0.5 - 16 2/3	677	(0.314)	4.587	0.831	1.458
S6	202	S6 - 16 5/12	730	(0.106)	2.351	0.520	1.618
H1.00	23	H1.00 - 16 1/12	744	0.354	4.801	0.921	1.676
GM1.0	23	GM1.0 - 16 1/4	763	0.241	4.998	0.972	1.753
L0	27	L0 - 16 2/3	772	(0.244)	5.214	1.025	1.790
O1	18	O1 - 15 1/12	797	1.244	4.610	0.975	1.855
O2	27	O2 - 16 2/3	858	0.054	5.666	1.154	2.043
H0.50	26	H0.50 - 16 2/3	881	(0.081)	5.750	1.196	2.092
SQ	205	SQ - 14 7/12	1,053	1.330	3.108	0.945	2.951
O3	25	O3 - 22 1/6	1,064	(1.919)	7.950	1.987	3.031
O4	15	O4 - 29 1/12	1,138	(3.010)	9.030	2.535	3.632

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G363.60-LNG Distrib Storg Eq

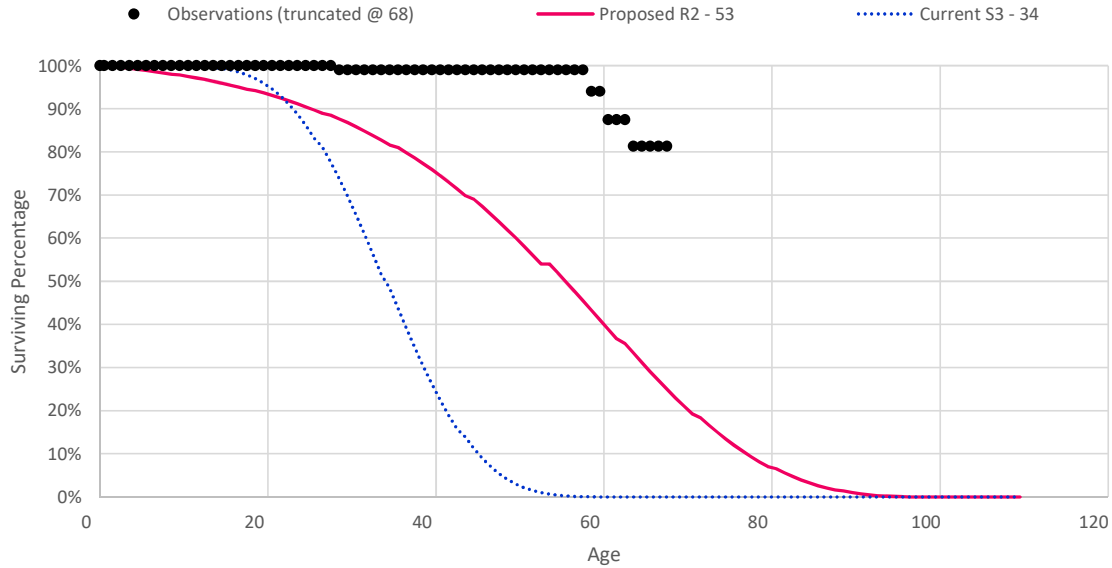


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L4	L4	16	L4 - 92 11/12	1	0.000	0.000	0.000	0.000
S4	S4	210	S4 - 92 11/12	1	0.000	0.000	0.000	0.000
L5	L5	236	L5 - 92 11/12	1	0.000	0.000	0.000	0.000
R5	R5	9	R5 - 92 11/12	1	0.000	0.000	0.000	0.000
S5	S5	201	S5 - 92 11/12	1	0.000	0.000	0.000	0.000
S6	S6	201	S6 - 92 11/12	1	0.000	0.000	0.000	0.000
SQ	SQ	204	SQ - 92 11/12	1	0.000	0.000	0.000	0.000
S3.5	S3.5	21	S3.5 - 182	1,038	0.001	0.001	0.000	0.000
H5.00	H5.00	23	H5.00 - 182	1,039	0.001	0.001	0.000	0.000
S3	S3	8	S3 - 182	1,041	0.001	0.001	0.000	0.000
L3.5	L3.5	16	L3.5 - 182	1,103	0.009	0.009	0.000	0.000
H4.00	H4.00	18	H4.00 - 182	1,104	0.016	0.016	0.000	0.000
S2.5	S2.5	44	S2.5 - 182	1,108	0.015	0.015	0.000	0.000
R4	R4	18	R4 - 182	1,121	0.019	0.019	0.000	0.000
L3	L3	38	L3 - 182	1,156	0.018	0.018	0.000	0.000
GM5.5	GM5.5	22	GM5.5 - 182	1,177	0.032	0.032	0.000	0.000
S2	S2	14	S2 - 182	1,210	0.028	0.028	0.000	0.000
GM5.0	GM5.0	26	GM5.0 - 182	1,245	0.084	0.084	0.000	0.001
R3.5	R3.5	26	R3.5 - 182	1,264	0.098	0.098	0.000	0.001
L2.5	L2.5	26	L2.5 - 182	1,289	0.097	0.097	0.000	0.001
GM4.5	GM4.5	26	GM4.5 - 182	1,311	0.143	0.143	0.001	0.002
S1.5	S1.5	26	S1.5 - 182	1,318	0.131	0.131	0.001	0.002
H3.00	H3.00	26	H3.00 - 182	1,346	0.172	0.172	0.001	0.002
R3	R3	26	R3 - 182	1,353	0.177	0.177	0.001	0.002
L2	L2	26	L2 - 182	1,390	0.176	0.176	0.002	0.003
S1	S1	26	S1 - 182	1,421	0.234	0.234	0.003	0.005
GM4.0	GM4.0	26	GM4.0 - 182	1,431	0.276	0.276	0.003	0.006

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.5	26	GM3.5 - 182	1,477	0.356	0.356	0.005	0.010
R2.5	26	R2.5 - 182	1,496	0.441	0.441	0.006	0.013
H2.50	26	H2.50 - 182	1,506	0.435	0.435	0.006	0.013
L1.5	26	L1.5 - 182	1,540	0.464	0.464	0.008	0.016
GM3.0	26	GM3.0 - 182	1,571	0.553	0.553	0.011	0.022
S0.5	26	S0.5 - 182	1,587	0.583	0.583	0.013	0.026
R2	26	R2 - 182	1,612	0.705	0.705	0.016	0.032
L1	26	L1 - 182	1,640	0.752	0.752	0.021	0.041
GM2.5	26	GM2.5 - 182	1,656	0.815	0.815	0.023	0.045
H2.00	26	H2.00 - 182	1,681	0.907	0.907	0.027	0.053
S0	26	S0 - 182	1,712	0.932	0.932	0.032	0.064
R1.5	26	R1.5 - 182	1,743	1.162	1.162	0.042	0.083
L0.5	26	L0.5 - 182	1,780	1.352	1.352	0.062	0.125
GM2.0	26	GM2.0 - 182	1,793	1.450	1.450	0.066	0.132
H1.50	26	H1.50 - 182	1,815	1.569	1.569	0.077	0.153
R1	26	R1 - 182	1,828	1.619	1.619	0.080	0.159
GM1.5	26	GM1.5 - 182	1,871	1.760	1.760	0.097	0.195
S-.5	26	S-.5 - 182	1,890	1.878	1.878	0.110	0.219
L0	26	L0 - 182	1,909	1.952	1.952	0.127	0.254
R0.5	26	R0.5 - 182	1,934	2.221	2.221	0.147	0.295
H1.00	26	H1.00 - 182	1,962	2.314	2.314	0.162	0.325
GM1.0	26	GM1.0 - 182	1,965	2.316	2.316	0.164	0.328
O1	26	O1 - 182	2,027	2.824	2.824	0.236	0.472
H0.50	26	H0.50 - 182	2,046	3.012	3.012	0.271	0.542
O2	26	O2 - 182	2,065	3.174	3.174	0.298	0.597
O3	26	O3 - 182	2,132	4.617	4.617	0.628	1.256
O4	26	O4 - 182	2,169	6.169	6.169	1.114	2.229

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G366.00-Struct and Land Imp.

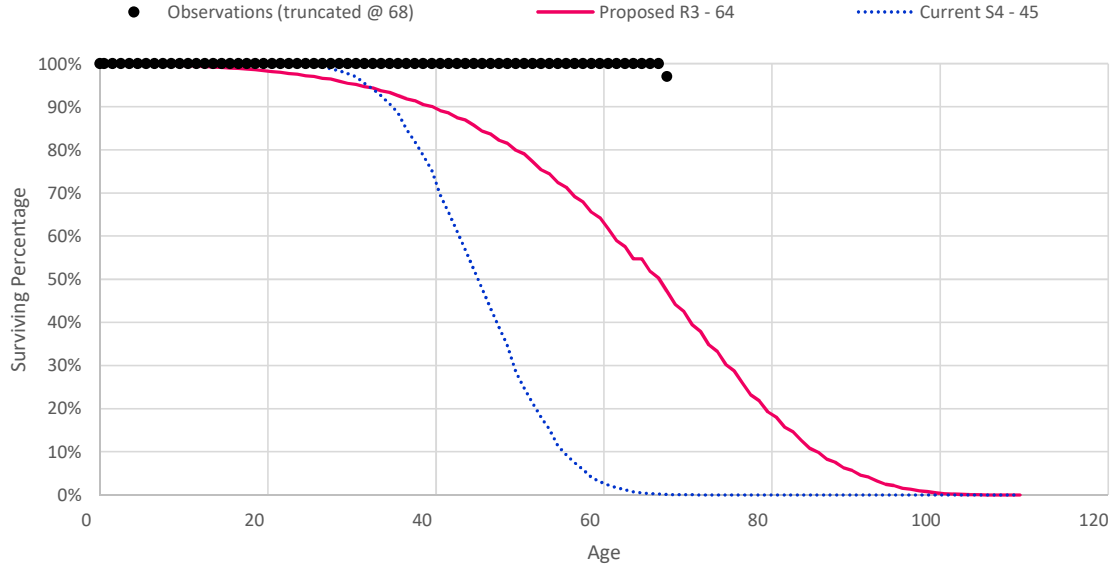


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R5	26	R5 - 74 2/3	1	(0.078)	0.666	0.016	0.032
GM5.5	22	GM5.5 - 72 7/12	4	(0.017)	0.588	0.017	0.034
L5	36	L5 - 76 3/4	5	(0.226)	0.657	0.017	0.034
S4	15	S4 - 77 5/6	7	0.077	0.684	0.018	0.036
S5	37	S5 - 73 5/12	9	(0.364)	0.657	0.018	0.036
S3.5	14	S3.5 - 85	37	(0.136)	0.834	0.030	0.060
L4	15	L4 - 84 5/6	43	0.028	0.890	0.032	0.063
S3	32	S3 - 89 5/12	50	0.070	0.912	0.033	0.067
H5.00	14	H5.00 - 85	55	(0.388)	0.844	0.035	0.070
H4.00	30	H4.00 - 89 5/12	61	0.201	0.944	0.037	0.074
L3.5	30	L3.5 - 91 7/12	66	0.205	0.955	0.038	0.076
R4	15	R4 - 85 1/6	82	0.194	0.971	0.040	0.080
S2.5	26	S2.5 - 93 5/12	108	0.457	1.064	0.046	0.093
L3	6	L3 - 102 1/4	119	0.004	1.059	0.049	0.099
S2	6	S2 - 108 1/6	140	(0.043)	1.152	0.061	0.122
S1.5	6	S1.5 - 126 1/6	154	(0.060)	1.292	0.079	0.159
L2	6	L2 - 134 5/6	155	(0.060)	1.298	0.080	0.159
S1	6	S1 - 135 7/12	156	0.297	1.466	0.080	0.159
R3	6	R3 - 112 1/6	165	(0.052)	1.380	0.086	0.173
H2.50	5	H2.50 - 135 7/12	170	0.420	1.704	0.091	0.182
GM3.5	5	GM3.5 - 135 7/12	173	0.276	1.618	0.091	0.183
L1.5	9	L1.5 - 135 7/12	176	1.128	1.863	0.094	0.188
GM3.0	8	GM3.0 - 135 7/12	182	1.030	1.987	0.100	0.200
L1	9	L1 - 202 5/6	187	0.040	1.612	0.103	0.207
R2.5	6	R2.5 - 135 7/12	193	0.132	1.680	0.104	0.208
S0	9	S0 - 202 5/6	196	0.402	1.819	0.105	0.209
GM4.0	5	GM4.0 - 135 7/12	197	(0.219)	1.457	0.105	0.209

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S0.5	9	S0.5 - 187 1/2	203	(0.091)	1.558	0.108	0.216
R2	10	R2 - 135 7/12	205	0.997	2.141	0.109	0.218
L2.5	5	L2.5 - 135 7/12	206	(0.676)	1.241	0.110	0.219
L0.5	44	L0.5 - 236 1/3	212	0.596	1.984	0.111	0.221
GM2.5	8	GM2.5 - 202 5/6	248	0.039	1.725	0.114	0.229
H3.00	5	H3.00 - 135 7/12	255	(0.615)	1.300	0.115	0.231
H2.00	8	H2.00 - 202 5/6	263	0.163	1.830	0.117	0.234
GM2.0	33	GM2.0 - 240 11/12	273	0.627	2.112	0.120	0.241
L0	27	L0 - 270	283	1.033	2.244	0.121	0.241
GM1.5	26	GM1.5 - 265 11/12	310	0.792	2.200	0.122	0.244
R1.5	9	R1.5 - 202 5/6	319	0.583	2.116	0.123	0.245
H1.50	14	H1.50 - 253 1/6	327	0.654	2.152	0.123	0.246
S-.5	27	S-.5 - 265 11/12	347	0.967	2.316	0.127	0.253
R1	33	R1 - 265 11/12	353	0.577	2.149	0.127	0.254
GM4.5	5	GM4.5 - 135 7/12	412	(0.825)	1.313	0.135	0.269
R0.5	27	R0.5 - 270	447	1.434	2.648	0.146	0.292
GM1.0	26	GM1.0 - 270	452	1.572	2.670	0.147	0.294
H1.00	26	H1.00 - 270	463	1.570	2.687	0.148	0.296
R3.5	5	R3.5 - 135 7/12	508	(1.151)	1.330	0.162	0.324
S6	202	S6 - 68 1/6	518	0.324	1.199	0.170	0.340
GM5.0	5	GM5.0 - 135 7/12	522	(1.252)	1.360	0.173	0.347
O1	27	O1 - 270	550	2.323	3.159	0.195	0.390
H0.50	26	H0.50 - 270	588	2.599	3.284	0.214	0.429
O2	27	O2 - 270	632	2.839	3.442	0.236	0.473
SQ	205	SQ - 135 1/2	688	(1.840)	1.840	0.249	0.498
O3	27	O3 - 270	1,138	4.966	4.984	0.521	1.041
O4	27	O4 - 270	1,197	7.254	7.254	1.025	2.050

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Summary Results of Life Analysis
G367.00-Mains

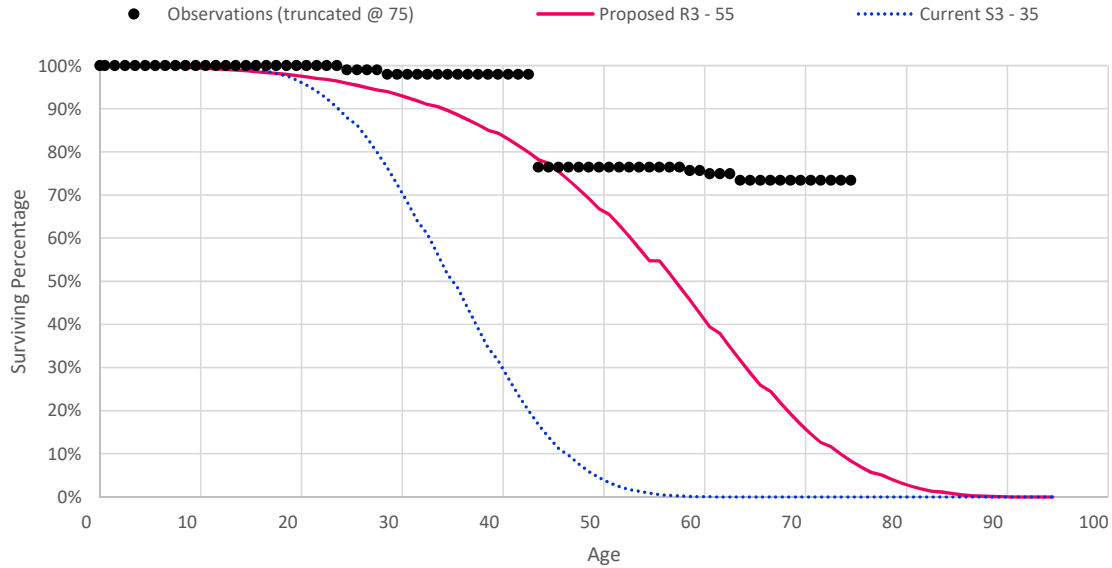


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2.5		33	L2.5 - 192 5/6	1	(0.029)	0.108	0.001	0.002
GM5.5		28	GM5.5 - 93 7/12	2	(0.083)	0.138	0.001	0.002
R3.5		17	R3.5 - 160 2/3	4	0.019	0.095	0.001	0.002
S1.5		23	S1.5 - 210 1/3	6	(0.026)	0.108	0.001	0.002
R4		21	R4 - 127 1/12	10	(0.071)	0.141	0.001	0.002
L2		42	L2 - 232 1/6	11	(0.030)	0.101	0.001	0.002
GM5.0		33	GM5.0 - 152 1/2	16	0.009	0.093	0.001	0.002
S1		38	S1 - 249 1/12	18	0.004	0.109	0.001	0.002
L3		23	L3 - 152 1/2	64	(0.065)	0.152	0.001	0.002
S2		18	S2 - 160 2/3	65	(0.045)	0.154	0.001	0.002
H3.00		8	H3.00 - 202 5/6	68	0.030	0.100	0.001	0.002
H4.00		17	H4.00 - 127 1/4	94	(0.040)	0.158	0.001	0.002
GM4.5		17	GM4.5 - 186 1/12	105	0.049	0.118	0.001	0.002
R3		10	R3 - 202 5/6	142	0.025	0.100	0.001	0.002
L3.5		17	L3.5 - 135 5/12	164	(0.092)	0.165	0.001	0.002
GM4.0		14	GM4.0 - 253 1/6	177	0.031	0.108	0.001	0.002
GM3.5		26	GM3.5 - 270	185	0.100	0.162	0.001	0.002
S2.5		31	S2.5 - 152 1/2	202	(0.150)	0.171	0.001	0.003
S3		21	S3 - 127 1/12	226	(0.169)	0.216	0.001	0.003
H5.00		26	H5.00 - 108 1/6	229	(0.155)	0.226	0.001	0.003
L4		15	L4 - 118 5/6	273	(0.192)	0.241	0.002	0.003
S3.5		14	S3.5 - 118 5/6	293	(0.219)	0.233	0.002	0.004
R5		32	R5 - 93 7/12	294	(0.204)	0.271	0.002	0.004
H2.50		26	H2.50 - 270	301	0.217	0.270	0.002	0.004
S4		28	S4 - 97 5/6	311	(0.192)	0.274	0.002	0.004
R2.5		27	R2.5 - 270	323	0.225	0.281	0.002	0.004
L5		36	L5 - 93 11/12	355	(0.205)	0.292	0.002	0.004

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S5	39	S5 - 85 1/3	380	(0.249)	0.303	0.002	0.005
L1.5	27	L1.5 - 270	381	0.258	0.301	0.002	0.005
GM3.0	26	GM3.0 - 270	487	0.389	0.425	0.004	0.008
S0.5	27	S0.5 - 270	525	0.432	0.464	0.005	0.011
SQ	205	SQ - 67 1/6	543	(0.419)	0.419	0.006	0.012
S6	202	S6 - 135 1/2	584	(0.424)	0.424	0.006	0.013
R2	27	R2 - 270	1,001	0.614	0.643	0.008	0.016
L1	27	L1 - 270	1,038	0.682	0.691	0.011	0.022
GM2.5	26	GM2.5 - 270	1,053	0.775	0.785	0.013	0.027
H2.00	26	H2.00 - 270	1,089	0.911	0.917	0.017	0.035
S0	27	S0 - 270	1,114	0.946	0.950	0.022	0.044
R1.5	27	R1.5 - 270	1,156	1.288	1.288	0.033	0.066
L0.5	27	L0.5 - 270	1,200	1.565	1.565	0.054	0.109
GM2.0	26	GM2.0 - 270	1,217	1.711	1.711	0.060	0.119
H1.50	26	H1.50 - 270	1,236	1.888	1.888	0.072	0.143
R1	27	R1 - 270	1,249	1.961	1.961	0.076	0.152
GM1.5	26	GM1.5 - 270	1,293	2.168	2.168	0.096	0.192
S-.5	27	S-.5 - 270	1,312	2.343	2.343	0.111	0.222
L0	27	L0 - 270	1,332	2.449	2.449	0.131	0.263
R0.5	27	R0.5 - 270	1,359	2.850	2.850	0.159	0.317
H1.00	26	H1.00 - 270	1,387	2.987	2.987	0.177	0.354
GM1.0	26	GM1.0 - 270	1,391	2.989	2.989	0.179	0.357
O1	27	O1 - 270	1,452	3.739	3.739	0.272	0.544
H0.50	26	H0.50 - 270	1,473	4.016	4.016	0.317	0.634
O2	27	O2 - 270	1,491	4.255	4.255	0.353	0.707
O3	27	O3 - 270	1,562	6.382	6.382	0.797	1.594
O4	27	O4 - 270	1,618	8.671	8.671	1.468	2.937

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G368.00-Compressor Statn Eq

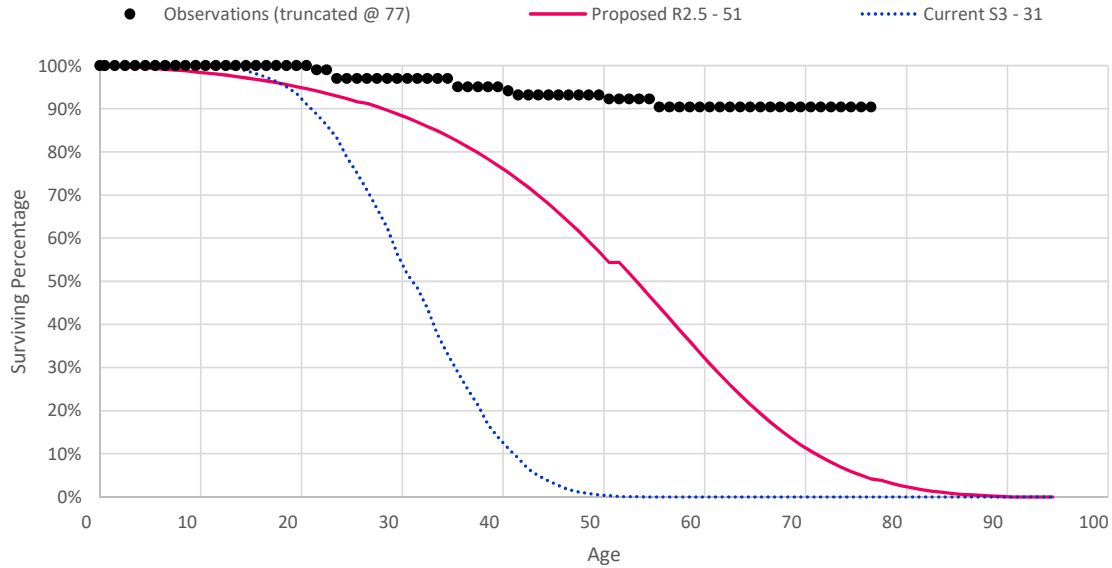


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L1	220	L1 - 100 5/6	1	0.564	2.641	0.166	0.540
S0	30	S0 - 98 7/12	3	0.478	2.864	0.179	0.547
L0	34	L0 - 121 2/3	5	1.416	3.228	0.215	0.548
L0.5	30	L0.5 - 112 1/3	10	0.664	3.005	0.186	0.553
GM2.0	29	GM2.0 - 100 3/4	27	1.122	3.221	0.204	0.564
H1.50	29	H1.50 - 100 3/4	63	1.542	3.316	0.216	0.571
GM1.5	29	GM1.5 - 112 1/3	88	1.065	3.319	0.213	0.582
S-.5	50	S-.5 - 102 2/3	128	2.105	3.491	0.247	0.594
GM1.0	33	GM1.0 - 121 2/3	173	1.566	3.539	0.244	0.606
GM2.5	35	GM2.5 - 90 3/4	186	0.589	2.963	0.187	0.610
H1.00	33	H1.00 - 117	192	1.834	3.584	0.253	0.612
S0.5	38	S0.5 - 90 3/4	198	0.245	2.763	0.180	0.613
R1	30	R1 - 93 11/12	256	1.389	3.543	0.235	0.623
H2.00	35	H2.00 - 90 3/4	305	0.623	3.057	0.194	0.635
R1.5	32	R1.5 - 86 3/4	348	0.840	3.338	0.212	0.643
R0.5	52	R0.5 - 102 5/12	373	2.316	3.732	0.282	0.650
O3	50	O3 - 197 2/3	438	2.023	3.806	0.292	0.667
H0.50	24	H0.50 - 130 5/6	449	2.477	3.793	0.300	0.673
O1	34	O1 - 121 2/3	494	2.207	3.867	0.302	0.687
O4	21	O4 - 265 2/3	502	1.919	3.856	0.298	0.688
GM3.0	31	GM3.0 - 86 3/4	507	0.053	2.833	0.194	0.689
O2	25	O2 - 130 5/6	566	2.723	3.897	0.324	0.710
L1.5	15	L1.5 - 93 2/3	630	0.066	2.702	0.200	0.738
S1	31	S1 - 85 5/6	653	(0.265)	2.633	0.202	0.756
R2	54	R2 - 82	660	0.090	3.105	0.214	0.758
GM3.5	49	GM3.5 - 81 11/12	765	(0.287)	2.816	0.221	0.831
H2.50	33	H2.50 - 84 2/3	809	(0.349)	2.839	0.225	0.853

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1.5	40	S1.5 - 82	844	(0.645)	2.764	0.252	0.984
R2.5	24	R2.5 - 77 2/3	846	(0.285)	3.086	0.259	0.992
GM4.0	23	GM4.0 - 77 2/3	882	(0.454)	2.938	0.266	1.033
L2	27	L2 - 88 1/12	888	(0.452)	2.807	0.265	1.040
H3.00	43	H3.00 - 80 5/12	944	(1.080)	2.982	0.309	1.223
S2	26	S2 - 79 3/4	985	(1.300)	3.184	0.337	1.335
L2.5	33	L2.5 - 84 2/3	989	(1.152)	3.130	0.338	1.341
R3	25	R3 - 75 1/3	1,003	(1.033)	3.160	0.345	1.367
GM4.5	23	GM4.5 - 75 1/3	1,018	(1.204)	3.193	0.353	1.403
S2.5	23	S2.5 - 77 2/3	1,090	(1.698)	3.630	0.433	1.719
R3.5	23	R3.5 - 75 1/3	1,101	(2.133)	3.596	0.445	1.776
L3	40	L3 - 81 11/12	1,118	(1.944)	3.792	0.477	1.898
GM5.0	8	GM5.0 - 75 1/3	1,152	(2.731)	3.873	0.511	2.038
H4.00	23	H4.00 - 77 2/3	1,175	(2.693)	4.183	0.555	2.202
S3	25	S3 - 77 2/3	1,180	(2.765)	4.299	0.571	2.260
L3.5	23	L3.5 - 79 5/6	1,185	(2.724)	4.255	0.572	2.269
R4	9	R4 - 75 1/3	1,203	(3.232)	4.341	0.594	2.357
S3.5	23	S3.5 - 75 1/3	1,258	(2.985)	4.932	0.728	2.880
L4	24	L4 - 77 2/3	1,266	(3.489)	5.013	0.741	2.930
H5.00	23	H5.00 - 75 1/3	1,300	(3.327)	5.175	0.793	3.137
S4	9	S4 - 75 1/3	1,342	(4.069)	5.704	0.954	3.772
R5	9	R5 - 75 1/3	1,386	(5.319)	6.199	1.112	4.403
L5	24	L5 - 75 1/3	1,391	(4.622)	6.232	1.116	4.416
GM5.5	30	GM5.5 - 73 1/12	1,393	(5.023)	6.230	1.122	4.453
S5	12	S5 - 149 1/6	1,622	(9.278)	9.278	2.279	9.068
SQ	205	SQ - 149 1/2	1,632	(9.278)	9.278	2.279	9.068
S6	202	S6 - 149 1/2	1,632	(9.278)	9.278	2.279	9.068

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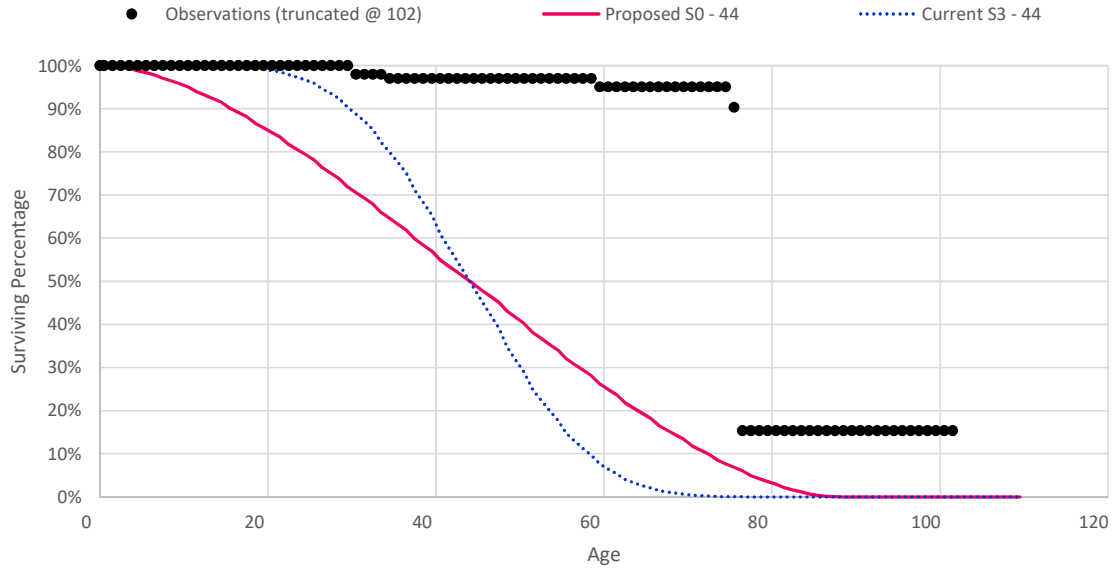


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L1		30	L1 - 160 2/3	1	(0.628)	1.889	0.718	0.752
H2.50		45	H2.50 - 124 7/12	2	(0.948)	2.005	0.718	0.753
GM3.5		47	GM3.5 - 117	9	(0.587)	2.047	0.707	0.754
GM2.0		213	GM2.0 - 184 1/2	18	(0.292)	1.560	0.741	0.755
L0		40	L0 - 232 5/6	36	(0.236)	1.594	0.739	0.756
H1.50		122	H1.50 - 188 5/6	48	(0.160)	1.628	0.741	0.757
S0		23	S0 - 170 1/12	59	(0.732)	1.638	0.740	0.758
R2		17	R2 - 117	80	0.169	1.978	0.707	0.758
GM3.0		18	GM3.0 - 136 1/3	149	(0.875)	1.833	0.735	0.760
H2.00		27	H2.00 - 158	151	(0.914)	1.636	0.747	0.760
R2.5		15	R2.5 - 117	161	(1.158)	1.920	0.735	0.760
GM2.5		27	GM2.5 - 158	187	(0.992)	1.677	0.746	0.761
R1.5		34	R1.5 - 155 3/4	364	(0.447)	1.510	0.753	0.764
S0.5		17	S0.5 - 136 1/3	402	(0.237)	1.965	0.718	0.765
R1		214	R1 - 184 1/2	411	(0.139)	1.619	0.752	0.766
L1.5		17	L1.5 - 136 1/3	461	(0.541)	2.113	0.713	0.766
S-.5		9	S-.5 - 198 7/12	575	0.306	1.997	0.740	0.770
GM1.0		14	GM1.0 - 252 1/6	656	(0.168)	1.606	0.759	0.772
H1.00		14	H1.00 - 232 5/6	721	0.268	1.970	0.749	0.774
H0.50		29	H0.50 - 310	726	(0.037)	1.715	0.760	0.774
R0.5		40	R0.5 - 232 5/6	737	(0.039)	1.710	0.761	0.775
L2		44	L2 - 124 7/12	751	(1.277)	2.514	0.712	0.776
GM1.5		8	GM1.5 - 232 5/6	756	(0.856)	1.464	0.770	0.777
O1		24	O1 - 295 1/2	769	(0.126)	1.647	0.767	0.778
L0.5		9	L0.5 - 176 1/6	794	0.336	2.062	0.730	0.779
GM4.0		13	GM4.0 - 117	797	(1.534)	2.141	0.746	0.780
O2		30	O2 - 310	798	0.238	1.959	0.758	0.780

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1.5	14	S1.5 - 117	809	(1.350)	2.478	0.723	0.781
R3	17	R3 - 97 2/3	812	(0.715)	2.514	0.696	0.781
GM4.5	16	GM4.5 - 97 1/2	814	(0.856)	2.561	0.699	0.781
S1	17	S1 - 117	903	(0.145)	2.466	0.705	0.797
L2.5	13	L2.5 - 117	905	(1.754)	2.669	0.732	0.800
R3.5	24	R3.5 - 92 5/6	906	(1.094)	2.798	0.698	0.800
GM5.0	21	GM5.0 - 88	936	(0.816)	2.967	0.674	0.810
H3.00	13	H3.00 - 117	953	(1.980)	2.505	0.762	0.815
R4	22	R4 - 88	992	(1.396)	3.280	0.694	0.842
L3.5	22	L3.5 - 97 1/2	1,012	(1.792)	3.274	0.723	0.854
S2.5	16	S2.5 - 97 1/2	1,013	(1.241)	3.220	0.715	0.855
H4.00	22	H4.00 - 97 1/2	1,019	(2.144)	3.247	0.745	0.864
S2	14	S2 - 117	1,034	(2.554)	2.943	0.801	0.883
S3	24	S3 - 97 1/2	1,040	(2.278)	3.400	0.755	0.890
L4	20	L4 - 88	1,058	(1.364)	3.687	0.688	0.908
H5.00	21	H5.00 - 88	1,063	(1.940)	3.757	0.709	0.913
S3.5	19	S3.5 - 88	1,065	(1.591)	3.720	0.703	0.915
L3	17	L3 - 97 2/3	1,071	(0.625)	3.432	0.715	0.922
S4	22	S4 - 88	1,096	(2.684)	3.898	0.741	0.944
L5	22	L5 - 88	1,112	(3.271)	3.918	0.784	0.977
GM5.5	25	GM5.5 - 78 2/3	1,119	(1.751)	4.026	0.679	0.983
R5	22	R5 - 88	1,152	(3.544)	3.894	0.836	1.022
O3	30	O3 - 310	1,163	2.677	4.269	0.833	1.033
S5	6	S5 - 155 5/12	1,389	(5.128)	5.128	1.328	1.657
SQ	205	SQ - 155 1/2	1,393	(5.128)	5.128	1.328	1.657
S6	202	S6 - 155 1/2	1,393	(5.128)	5.128	1.328	1.657
O4	30	O4 - 310	1,813	5.302	6.765	1.142	1.750

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Summary Results of Life Analysis
G375.00-Struct & Imp

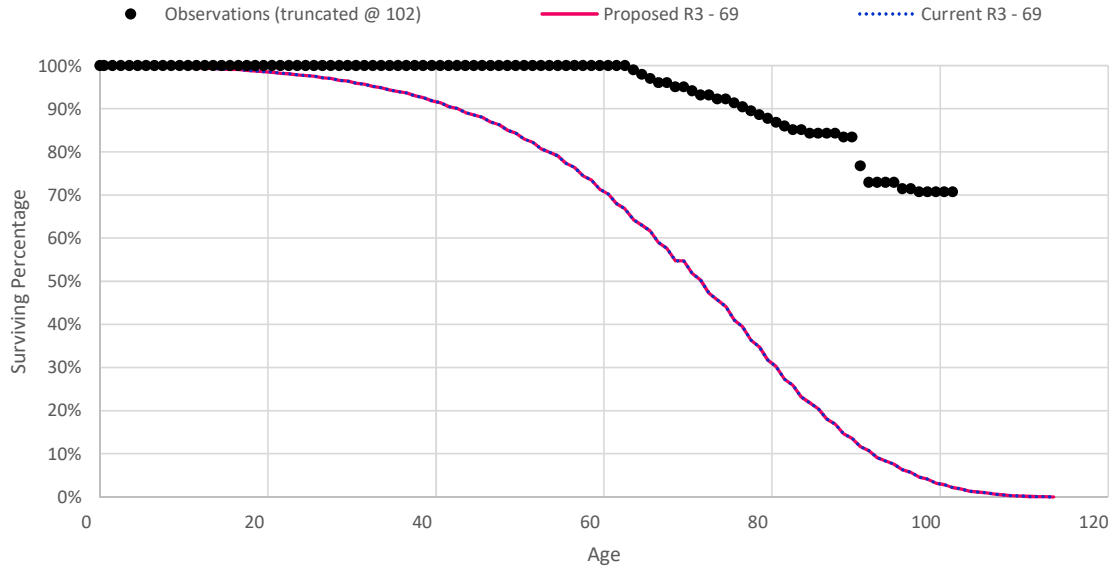


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S6		202	1	(2.443)	4.334	0.888	1.082
GM5.5		17	2	(0.605)	4.764	1.080	1.489
S5		6	5	(1.712)	5.331	1.179	1.587
L5		29	6	(1.880)	5.861	1.407	1.795
R5		18	7	(1.618)	5.754	1.391	1.798
S4		34	22	(2.540)	6.716	1.890	2.261
SQ		205	42	(3.159)	5.567	2.426	2.507
R4		9	43	(0.109)	7.521	1.949	2.630
L4		9	44	(3.209)	7.144	2.375	2.641
L3.5		8	51	(1.432)	7.779	2.315	2.836
H5.00		8	54	(4.136)	7.211	2.651	2.852
S3.5		8	55	(3.743)	7.330	2.628	2.866
H4.00		8	66	(2.418)	7.865	2.606	3.004
S3		10	67	(2.499)	7.890	2.599	3.009
S2.5		8	73	(1.294)	8.487	2.660	3.241
L3		9	76	0.283	8.593	2.407	3.288
R3.5		8	82	(2.775)	8.250	3.029	3.343
GM5.0		8	83	(3.468)	7.982	3.119	3.350
GM4.5		8	89	(1.705)	8.887	3.021	3.476
R3		9	93	(1.506)	9.009	3.012	3.490
S2		9	98	(0.090)	9.261	2.779	3.588
H3.00		8	101	0.387	9.634	2.808	3.651
L2		23	105	0.181	9.994	3.035	3.869
L2.5		8	114	2.042	9.941	2.707	3.976
R2.5		34	117	2.344	10.876	2.838	4.001
S1.5		9	120	1.315	10.435	2.980	4.054
R2		40	126	3.195	12.145	3.200	4.567

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1	24	S1 - 85 7/12	128	3.390	11.956	3.259	4.838
L1.5	44	L1.5 - 92 3/4	137	3.767	12.441	3.399	5.079
R1.5	30	R1.5 - 86 1/2	138	3.984	13.448	3.589	5.133
L0.5	30	L0.5 - 173 7/12	139	(3.752)	10.589	4.913	5.151
L0	30	L0 - 173 7/12	142	(1.692)	11.860	4.669	5.162
S0.5	32	S0.5 - 88 3/4	145	3.982	13.026	3.549	5.230
GM1.5	29	GM1.5 - 173 7/12	146	(3.012)	11.261	4.943	5.254
GM1.0	29	GM1.0 - 173 7/12	164	(1.340)	12.309	4.765	5.294
H1.00	29	H1.00 - 173 7/12	170	(1.521)	12.264	4.822	5.325
S-.5	30	S-.5 - 173 7/12	173	(2.912)	11.461	5.021	5.346
L1	30	L1 - 173 7/12	176	(5.812)	9.330	5.283	5.362
H1.50	29	H1.50 - 173 7/12	185	(3.972)	10.810	5.178	5.389
GM2.0	29	GM2.0 - 173 7/12	210	(4.333)	10.596	5.246	5.426
H0.50	39	H0.50 - 205 5/6	224	(1.289)	12.570	4.905	5.443
R0.5	30	R0.5 - 173 7/12	250	(2.347)	12.001	5.073	5.466
S0	31	S0 - 173 7/12	266	(5.460)	9.760	5.368	5.471
O2	210	O2 - 198 3/4	292	(0.640)	12.982	4.858	5.498
O1	40	O1 - 198 7/12	297	(1.778)	12.385	5.029	5.499
O3	9	O3 - 346	550	(2.477)	12.048	5.179	5.561
R1	30	R1 - 173 7/12	569	(4.329)	10.840	5.412	5.593
O4	9	O4 - 346	589	0.443	13.632	4.792	5.630
GM2.5	29	GM2.5 - 173 7/12	648	(6.426)	9.363	5.710	5.757
H2.00	29	H2.00 - 173 7/12	656	(6.342)	9.473	5.735	5.785
GM3.0	43	GM3.0 - 173 7/12	749	(7.492)	8.959	6.054	6.069
H2.50	27	H2.50 - 173 7/12	895	(8.272)	8.901	6.381	6.386
GM3.5	23	GM3.5 - 173 7/12	931	(8.455)	8.914	6.440	6.445
GM4.0	5	GM4.0 - 173 5/12	1,058	(9.085)	9.269	6.768	6.778

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Summary Results of Life Analysis
G376.00-Mains

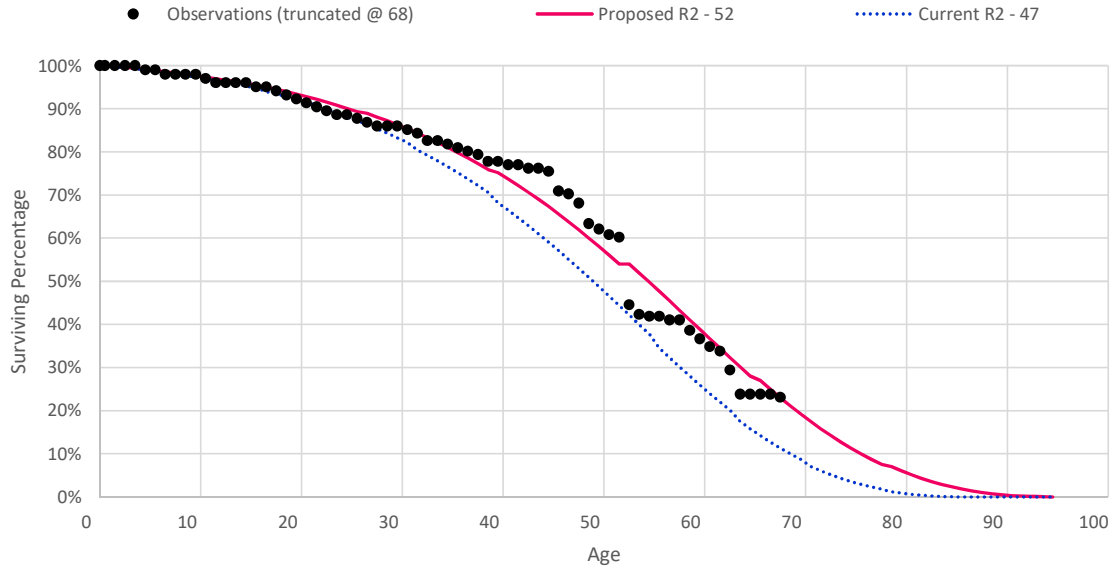


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2.5	30	R2.5 - 108 1/2	1	(0.448)	0.847	0.014	0.048
GM4.0	29	GM4.0 - 108 1/2	9	(0.699)	1.174	0.020	0.059
H2.50	35	H2.50 - 118 1/3	12	(0.481)	1.009	0.018	0.063
GM3.5	17	GM3.5 - 114 5/6	22	(0.462)	1.085	0.020	0.070
L1.5	30	L1.5 - 130 2/3	38	0.139	1.345	0.027	0.085
R2	18	R2 - 111 3/4	40	0.804	1.295	0.029	0.087
S1	37	S1 - 121 1/3	44	(0.648)	1.397	0.028	0.088
S1.5	18	S1.5 - 115	47	(1.026)	1.585	0.033	0.089
GM3.0	23	GM3.0 - 121 1/3	56	0.121	1.265	0.028	0.094
L2	15	L2 - 127 1/2	82	(1.704)	1.921	0.047	0.124
S0.5	15	S0.5 - 125	86	0.733	1.731	0.045	0.129
H2.00	14	H2.00 - 127 2/3	97	0.801	1.697	0.045	0.135
L2.5	37	L2.5 - 118 1/4	104	(1.697)	2.211	0.059	0.139
GM2.5	14	GM2.5 - 127 2/3	106	0.762	1.758	0.048	0.144
L1	32	L1 - 141 5/12	110	0.724	1.803	0.050	0.147
H3.00	17	H3.00 - 114 5/6	133	(2.203)	2.300	0.065	0.169
GM4.5	29	GM4.5 - 102 1/6	145	(0.802)	1.986	0.059	0.180
R3	32	R3 - 102 1/6	149	(0.568)	1.880	0.057	0.184
S0	38	S0 - 138 5/12	169	0.701	2.143	0.073	0.225
R1.5	15	R1.5 - 124 1/2	173	0.735	2.140	0.073	0.233
S2	18	S2 - 114 5/6	183	(2.822)	2.902	0.103	0.247
R3.5	29	R3.5 - 102 1/6	184	(2.057)	2.806	0.100	0.251
L0.5	23	L0.5 - 153	191	1.621	2.657	0.097	0.254
GM2.0	35	GM2.0 - 140 1/3	201	1.703	2.883	0.107	0.284
H1.50	39	H1.50 - 146 2/3	207	1.409	2.824	0.108	0.306
L3	18	L3 - 114 5/6	217	(2.956)	3.359	0.141	0.315
GM5.0	29	GM5.0 - 102 1/6	244	(2.871)	3.331	0.139	0.336

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM1.5	22	GM1.5 - 153	253	2.166	3.327	0.138	0.348
R1	32	R1 - 127 2/3	290	2.633	3.634	0.156	0.374
L0	46	L0 - 174 1/2	293	1.703	3.221	0.142	0.387
S-.5	42	S-.5 - 152 1/4	344	2.018	3.514	0.158	0.417
GM1.0	45	GM1.0 - 174 1/2	392	1.961	3.630	0.171	0.464
H1.00	45	H1.00 - 165 2/3	421	2.528	3.966	0.191	0.479
R4	30	R4 - 102 1/6	447	(3.546)	4.037	0.207	0.490
R0.5	42	R0.5 - 151 5/12	493	2.458	4.104	0.208	0.536
H4.00	29	H4.00 - 102 1/6	549	(1.643)	3.796	0.203	0.581
H0.50	14	H0.50 - 203 7/12	578	1.970	4.021	0.221	0.620
S2.5	29	S2.5 - 102 1/6	581	(0.322)	3.452	0.187	0.622
S3	30	S3 - 102 1/6	584	(1.738)	3.980	0.221	0.625
O1	34	O1 - 177 5/12	590	2.671	4.503	0.253	0.652
O2	15	O2 - 203 7/12	608	2.341	4.338	0.245	0.660
O3	12	O3 - 289	620	2.440	4.423	0.255	0.677
O4	9	O4 - 406	636	1.729	4.101	0.243	0.709
S3.5	29	S3.5 - 102 1/6	640	(3.203)	4.653	0.296	0.734
H5.00	29	H5.00 - 102 1/6	673	(3.665)	4.971	0.341	0.828
L4	30	L4 - 102 1/6	699	(2.574)	4.803	0.331	0.924
L3.5	29	L3.5 - 102 1/6	720	(0.490)	4.294	0.308	1.047
S4	30	S4 - 102 1/6	741	(4.668)	5.743	0.465	1.116
L5	21	L5 - 102 1/6	835	(5.391)	6.579	0.611	1.569
R5	30	R5 - 102 1/6	852	(6.354)	6.838	0.653	1.699
GM5.5	31	GM5.5 - 95 11/12	862	(4.220)	6.423	0.639	1.780
S5	34	S5 - 102 1/6	949	(6.935)	7.676	0.867	2.344
S6	202	S6 - 203 1/2	1,263	(11.881)	11.881	2.574	9.072
SQ	202	SQ - 203 1/2	1,263	(11.881)	11.881	2.574	9.072

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Summary Results of Life Analysis
G378.00-Meas & Reg Statn Eq

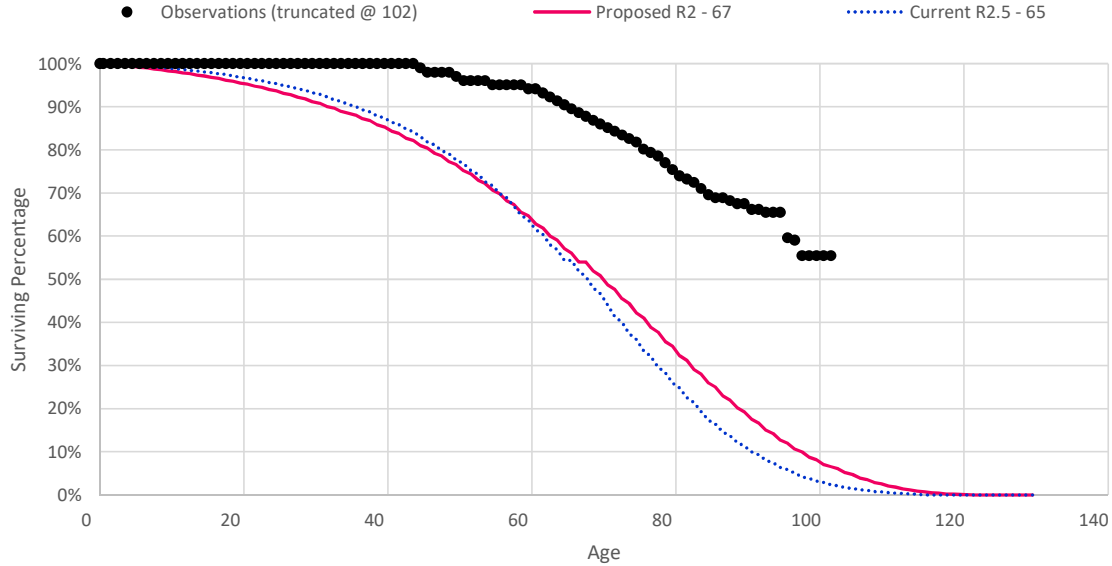


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2		32	R2 - 52 2/3	1	(0.167)	2.172	0.121	0.385
GM3.5		31	GM3.5 - 53 1/4	4	(0.558)	2.474	0.126	0.392
H3.00		29	H3.00 - 54 7/12	7	(1.609)	2.887	0.151	0.395
H2.50		51	H2.50 - 54	14	(0.435)	2.463	0.123	0.401
S1.5		38	S1.5 - 53 5/6	34	(0.865)	2.753	0.137	0.408
L2.5		41	L2.5 - 56 1/6	52	(1.483)	2.948	0.152	0.420
R2.5		24	R2.5 - 52 1/4	96	(0.110)	2.492	0.157	0.457
S2		30	S2 - 54 7/12	101	(1.896)	3.199	0.185	0.468
L3		223	L3 - 55 2/3	102	(1.892)	3.202	0.196	0.469
GM4.0		23	GM4.0 - 52 1/4	132	(0.207)	2.739	0.176	0.508
GM3.0		30	GM3.0 - 53 5/12	148	0.047	2.639	0.156	0.531
S1		234	S1 - 53 11/12	162	(0.466)	2.875	0.164	0.543
R1.5		33	R1.5 - 52 1/4	202	0.788	2.864	0.170	0.561
L2		32	L2 - 56 11/12	260	(1.185)	3.214	0.196	0.623
S2.5		29	S2.5 - 54 7/12	279	(2.175)	3.589	0.258	0.637
L3.5		29	L3.5 - 55	311	(2.003)	3.779	0.285	0.692
H2.00		219	H2.00 - 54 1/2	333	0.355	2.974	0.213	0.721
GM2.5		219	GM2.5 - 54 1/2	385	0.108	3.136	0.232	0.770
S0.5		234	S0.5 - 53 11/12	412	0.181	3.208	0.234	0.789
R3		24	R3 - 52 1/4	505	(0.396)	3.566	0.301	0.833
L1.5		34	L1.5 - 56 11/12	576	(0.320)	3.524	0.262	0.888
GM4.5		23	GM4.5 - 52 1/4	640	(0.445)	3.749	0.341	0.946
H4.00		23	H4.00 - 54 7/12	664	(2.377)	4.340	0.379	0.970
S3		24	S3 - 54 7/12	693	(2.455)	4.389	0.393	0.998
R1		30	R1 - 52 1/4	694	1.400	4.278	0.319	0.999
S0		37	S0 - 54	853	0.766	4.317	0.374	1.208
GM2.0		219	GM2.0 - 54 1/2	909	1.360	4.702	0.400	1.279

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L4	24	L4 - 54 7/12	931	(2.260)	5.192	0.490	1.295
R3.5	23	R3.5 - 54 7/12	953	(2.648)	4.961	0.467	1.309
H1.50	39	H1.50 - 55 1/2	997	1.304	4.906	0.425	1.352
L1	34	L1 - 57 1/4	1,017	0.361	4.436	0.417	1.368
S3.5	23	S3.5 - 54 7/12	1,220	(2.593)	5.652	0.596	1.616
R0.5	36	R0.5 - 52 11/12	1,290	2.131	6.024	0.577	1.723
GM1.5	31	GM1.5 - 57 5/12	1,315	1.378	5.730	0.564	1.754
L0.5	26	L0.5 - 59	1,355	0.676	5.518	0.569	1.790
GM5.0	23	GM5.0 - 54 7/12	1,378	(2.787)	5.765	0.633	1.822
S-.5	220	S-.5 - 54 1/2	1,387	1.499	6.045	0.604	1.837
H5.00	23	H5.00 - 54 7/12	1,443	(2.644)	6.074	0.680	1.874
R4	24	R4 - 54 7/12	1,577	(2.783)	6.196	0.711	2.029
H1.00	23	H1.00 - 59	1,659	1.402	6.627	0.715	2.146
GM1.0	22	GM1.0 - 61 1/3	1,755	0.781	6.734	0.761	2.279
L0	23	L0 - 61 1/2	1,798	0.813	6.689	0.775	2.338
S4	24	S4 - 54 7/12	1,902	(2.732)	7.031	0.894	2.551
O1	220	O1 - 54 1/2	1,962	2.533	7.765	0.933	2.703
O2	44	O2 - 61 1/2	2,012	2.389	7.803	0.945	2.741
H0.50	55	H0.50 - 61 1/2	2,101	2.188	7.812	0.961	2.810
L5	24	L5 - 54 7/12	2,276	(2.649)	7.736	1.045	3.081
O3	22	O3 - 84 5/12	2,396	1.477	8.948	1.282	3.690
O4	90	O4 - 106 7/12	2,442	1.766	9.540	1.448	4.147
R5	24	R5 - 54 7/12	2,517	(2.782)	8.906	1.390	4.207
S5	26	S5 - 54 7/12	2,549	(2.761)	9.358	1.551	4.790
GM5.5	20	GM5.5 - 52 1/4	2,565	(0.528)	9.764	1.784	5.357
S6	202	S6 - 57 1/12	2,638	(5.380)	11.520	2.534	8.323
SQ	202	SQ - 57 1/12	2,788	(6.223)	15.185	4.889	15.581

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G380.00-Services

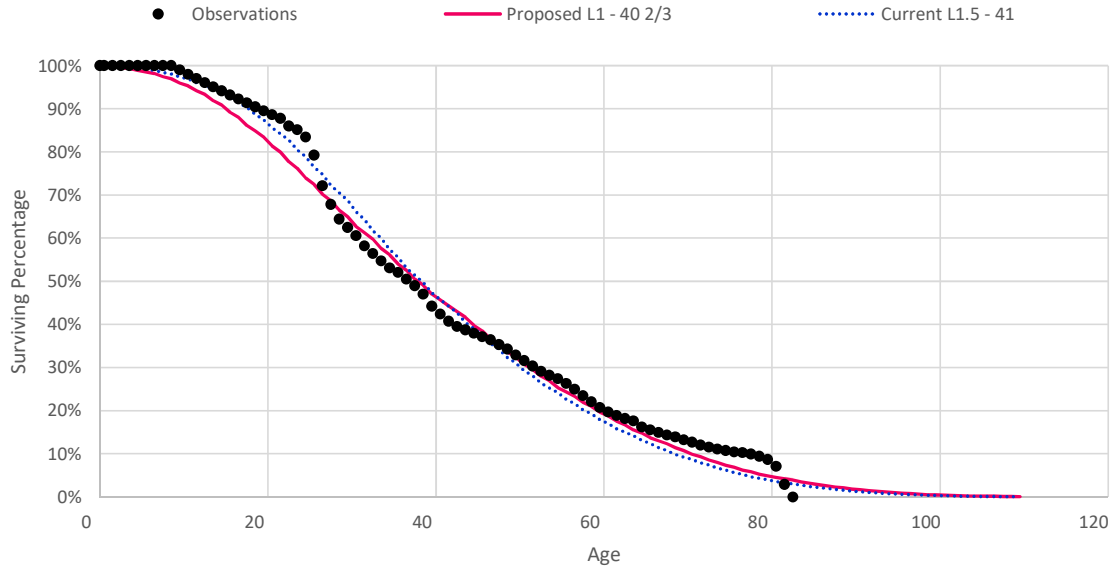


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2	31	R2 - 95 7/12	1	(0.568)	0.831	0.011	0.033
GM3.0	29	GM3.0 - 100 1/3	5	(0.398)	1.057	0.015	0.042
H2.00	26	H2.00 - 105 1/12	13	(0.031)	0.924	0.014	0.050
GM2.5	26	GM2.5 - 103 1/2	25	0.333	1.161	0.020	0.064
S0.5	27	S0.5 - 103 1/2	28	(0.086)	1.212	0.021	0.065
L1.5	30	L1.5 - 109 1/2	38	(0.763)	1.449	0.027	0.069
R1.5	24	R1.5 - 100 1/6	43	0.200	1.181	0.022	0.073
S1	30	S1 - 100 11/12	55	(1.265)	1.585	0.035	0.080
GM3.5	29	GM3.5 - 96 1/2	56	(1.163)	1.589	0.033	0.080
H2.50	29	H2.50 - 98 2/3	64	(0.902)	1.542	0.033	0.085
L1	30	L1 - 115 3/4	96	(0.113)	1.465	0.034	0.111
R2.5	34	R2.5 - 93 1/3	128	(1.521)	2.222	0.059	0.160
S0	18	S0 - 105 5/6	137	1.226	1.979	0.060	0.170
L2	30	L2 - 106 7/12	148	(2.084)	2.481	0.087	0.187
GM4.0	29	GM4.0 - 93 1/3	151	(1.695)	2.487	0.075	0.193
GM2.0	17	GM2.0 - 112 3/4	156	0.736	2.090	0.065	0.200
S1.5	24	S1.5 - 97 1/12	171	(1.492)	2.453	0.084	0.207
H1.50	17	H1.50 - 112 3/4	173	1.372	2.275	0.075	0.208
L0.5	226	L0.5 - 122 3/4	186	0.723	2.106	0.069	0.216
R1	27	R1 - 103 1/2	218	1.495	2.503	0.083	0.220
GM1.5	20	GM1.5 - 119	366	1.751	2.735	0.108	0.296
H3.00	29	H3.00 - 96 1/2	387	(2.369)	3.222	0.130	0.313
L2.5	29	L2.5 - 101 3/4	450	(2.421)	3.444	0.157	0.371
S-.5	18	S-.5 - 117 5/6	463	1.259	3.122	0.135	0.396
L0	18	L0 - 133 1/4	478	1.218	3.107	0.139	0.411
H1.00	20	H1.00 - 125 1/6	491	2.185	3.594	0.170	0.453
GM1.0	20	GM1.0 - 131 1/3	493	1.571	3.455	0.159	0.454

San Diego Gas & Electric Company
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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R3	36	R3 - 92 1/12	502	(2.743)	3.860	0.175	0.465
S2	21	S2 - 94 1/6	520	(1.896)	3.699	0.184	0.480
R0.5	18	R0.5 - 112 3/4	523	2.236	3.806	0.185	0.486
GM4.5	37	GM4.5 - 92 1/6	524	(3.026)	3.995	0.187	0.486
H0.50	20	H0.50 - 143 5/6	594	2.162	4.329	0.241	0.661
S2.5	20	S2.5 - 94	617	(3.092)	4.733	0.284	0.720
O2	21	O2 - 143 5/6	620	2.420	4.608	0.269	0.725
O1	18	O1 - 125 1/6	624	2.855	4.719	0.282	0.731
L3	30	L3 - 98 2/3	641	(3.190)	4.883	0.305	0.778
O3	29	O3 - 202 5/6	652	2.417	4.871	0.301	0.823
O4	15	O4 - 274 1/12	688	2.043	4.905	0.314	0.895
R3.5	23	R3.5 - 91 1/12	692	(3.484)	5.152	0.323	0.902
H4.00	29	H4.00 - 94	745	(4.269)	5.856	0.427	1.116
GM5.0	23	GM5.0 - 90 11/12	747	(4.190)	5.660	0.398	1.120
S3	30	S3 - 94	757	(4.362)	5.956	0.447	1.146
L3.5	20	L3.5 - 94 1/6	789	(2.992)	5.918	0.471	1.349
R4	24	R4 - 91 1/12	825	(4.714)	6.515	0.531	1.501
S3.5	29	S3.5 - 92 5/12	855	(4.778)	7.080	0.652	1.813
L4	21	L4 - 94	881	(4.829)	7.390	0.691	1.987
H5.00	29	H5.00 - 92 5/12	892	(5.168)	7.486	0.736	2.071
S4	34	S4 - 92 5/12	953	(6.007)	8.390	0.945	2.748
R5	38	R5 - 91 5/12	1,019	(6.958)	9.524	1.245	3.892
L5	27	L5 - 94	1,020	(7.343)	9.573	1.253	3.893
GM5.5	29	GM5.5 - 100 1/6	1,127	(12.380)	12.380	2.234	7.840
S5	6	S5 - 82 7/12	1,192	0.505	12.864	3.163	11.545
S6	202	S6 - 82 7/12	1,289	0.377	15.165	4.526	16.906
SQ	202	SQ - 199 1/2	1,351	(17.045)	17.045	4.946	18.582

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G381.00-Meters & Regulators

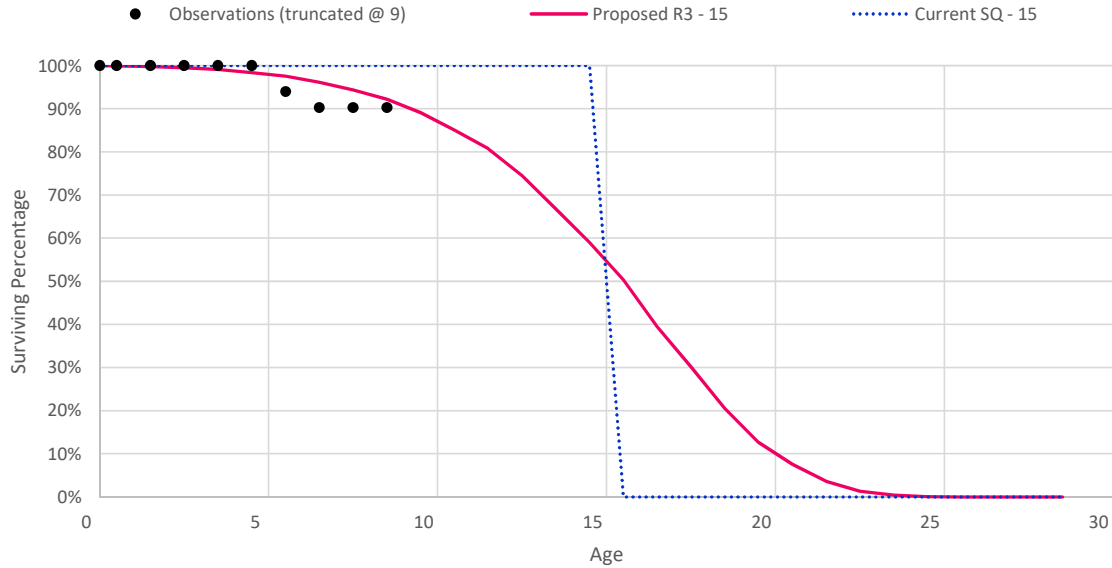


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L1		33	L1 - 40 2/3	1	0.927	2.168	0.083	0.183
L1.5		42	L1.5 - 40 7/12	13	0.928	2.369	0.092	0.210
H1.50		33	H1.50 - 39 5/6	38	1.734	3.123	0.151	0.319
L0.5		12	L0.5 - 41 11/12	40	0.142	2.721	0.142	0.320
GM2.0		33	GM2.0 - 39 5/6	49	1.592	3.332	0.166	0.352
L2		221	L2 - 40 1/12	71	1.345	3.306	0.190	0.424
S0		34	S0 - 39 5/6	73	1.486	3.711	0.223	0.433
GM1.5		11	GM1.5 - 42 7/12	98	(0.443)	3.433	0.190	0.458
H2.00		33	H2.00 - 39 5/6	113	1.557	3.769	0.219	0.487
S-.5		30	S-.5 - 38 5/6	130	2.492	3.942	0.277	0.517
GM2.5		33	GM2.5 - 39 5/6	140	1.509	3.907	0.243	0.524
S0.5		34	S0.5 - 39 5/6	168	1.489	3.970	0.275	0.556
L0		12	L0 - 42 1/12	180	0.327	3.830	0.272	0.566
GM1.0		11	GM1.0 - 42 7/12	201	(0.024)	4.137	0.279	0.592
H1.00		11	H1.00 - 42 7/12	207	(0.212)	4.128	0.270	0.599
R0.5		30	R0.5 - 38 2/3	216	2.654	4.501	0.325	0.618
R1		227	R1 - 38 3/4	259	2.572	5.112	0.384	0.737
O1		27	O1 - 38 2/3	328	2.658	4.631	0.420	0.847
O2		12	O2 - 42 3/4	334	0.893	4.761	0.425	0.854
S1		34	S1 - 39 5/6	337	1.493	4.620	0.403	0.857
GM3.0		35	GM3.0 - 39 5/6	348	1.490	4.559	0.391	0.874
H0.50		11	H0.50 - 42 3/4	356	0.425	5.078	0.442	0.883
L2.5		219	L2.5 - 40 1/12	403	1.322	4.820	0.379	0.938
H2.50		33	H2.50 - 39 5/6	458	1.510	4.929	0.439	1.039
R1.5		227	R1.5 - 38 3/4	466	2.574	5.544	0.499	1.050
S1.5		36	S1.5 - 39 5/6	657	1.499	5.840	0.581	1.346
GM3.5		35	GM3.5 - 39 5/6	729	1.487	5.918	0.638	1.511

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2	36	R2 - 38 11/12	780	2.394	6.086	0.708	1.626
L3	34	L3 - 39 5/6	810	1.538	6.410	0.663	1.692
O3	34	O3 - 53 1/6	882	(1.040)	8.345	1.101	1.893
S2	12	S2 - 41 5/6	1,006	(0.479)	7.156	0.850	2.328
H3.00	11	H3.00 - 42 7/12	1,016	(1.246)	6.722	0.803	2.371
O4	21	O4 - 63 7/12	1,085	(1.205)	10.005	1.584	2.669
R2.5	12	R2.5 - 41 5/6	1,112	(0.496)	7.369	0.984	2.771
GM4.0	11	GM4.0 - 42 7/12	1,156	(1.271)	7.568	1.041	2.975
S2.5	11	S2.5 - 42 7/12	1,229	(1.253)	8.254	1.166	3.401
L3.5	11	L3.5 - 42 7/12	1,249	(1.218)	8.044	1.140	3.532
R3	13	R3 - 41 5/6	1,288	(0.496)	8.802	1.346	3.838
S3	12	S3 - 41 5/6	1,320	(0.477)	9.321	1.457	4.210
GM4.5	11	GM4.5 - 42 7/12	1,324	(1.276)	9.114	1.462	4.246
H4.00	11	H4.00 - 42 7/12	1,338	(1.251)	9.274	1.483	4.428
L4	12	L4 - 41 5/6	1,356	(0.458)	9.754	1.639	4.972
R3.5	11	R3.5 - 42 7/12	1,357	(1.275)	9.943	1.732	5.154
S3.5	11	S3.5 - 42 7/12	1,366	(1.249)	10.496	1.923	5.865
GM5.0	11	GM5.0 - 42 7/12	1,369	(1.283)	10.694	2.015	6.050
R4	12	R4 - 41 5/6	1,372	(0.493)	11.021	2.086	6.241
H5.00	11	H5.00 - 42 7/12	1,373	(1.248)	10.856	2.072	6.360
S4	12	S4 - 41 5/6	1,382	(0.470)	11.591	2.362	7.274
L5	12	L5 - 41 5/6	1,386	(0.456)	12.064	2.586	8.128
R5	12	R5 - 41 5/6	1,390	(0.478)	13.049	3.048	9.581
S5	6	S5 - 41 5/6	1,394	(0.462)	13.388	3.274	10.460
GM5.5	11	GM5.5 - 42 7/12	1,395	(1.271)	13.932	3.554	11.286
S6	6	S6 - 41 5/6	1,398	(0.456)	14.773	4.080	13.173
SQ	6	SQ - 41 5/6	1,455	(0.675)	17.364	5.846	18.561

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G381.01-Meters-Regs-Modules

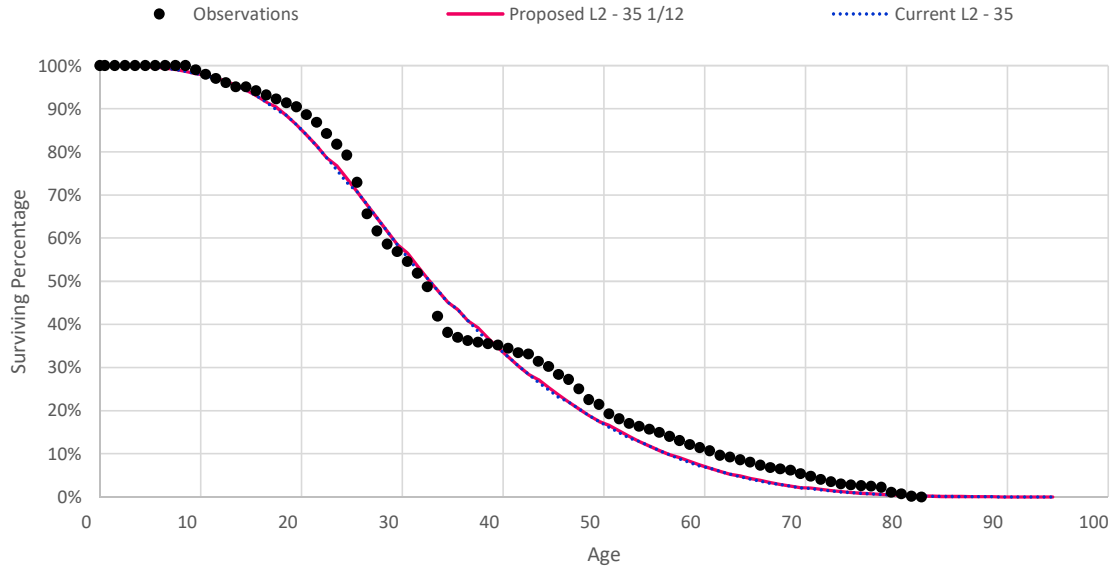


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S0.5		43	S0.5 - 18 11/12	1	0.017	0.122	0.002	0.005
L1		22	L1 - 20 3/4	4	0.040	0.125	0.003	0.005
GM3.0		17	GM3.0 - 17 5/12	10	0.028	0.128	0.003	0.005
S1		18	S1 - 15 5/6	14	0.014	0.117	0.003	0.005
L1.5		18	L1.5 - 18 1/6	18	0.006	0.127	0.003	0.005
S0		12	S0 - 21 7/12	22	0.058	0.126	0.003	0.005
GM3.5		14	GM3.5 - 15 7/12	23	0.007	0.129	0.003	0.005
GM2.5		210	GM2.5 - 19 7/12	24	0.048	0.132	0.003	0.005
H2.50		17	H2.50 - 15 7/12	44	0.030	0.135	0.003	0.006
L0.5		18	L0.5 - 25 5/6	61	0.060	0.129	0.003	0.006
GM4.0		11	GM4.0 - 13 1/2	63	0.037	0.130	0.003	0.006
R2.5		12	R2.5 - 14 3/4	73	0.006	0.141	0.003	0.006
H2.00		210	H2.00 - 19 7/12	76	0.059	0.139	0.003	0.006
R2		18	R2 - 17 5/12	117	0.020	0.143	0.003	0.007
L0		18	L0 - 32 11/12	133	0.044	0.139	0.003	0.007
H3.00		11	H3.00 - 13 1/2	167	(0.015)	0.136	0.004	0.007
S1.5		15	S1.5 - 14	171	0.017	0.123	0.004	0.007
R3		13	R3 - 12 1/3	175	0.012	0.138	0.004	0.007
L2		18	L2 - 15 7/12	180	(0.024)	0.132	0.004	0.007
GM2.0		17	GM2.0 - 25 5/6	190	0.057	0.143	0.004	0.007
H1.50		24	H1.50 - 27	214	0.059	0.150	0.004	0.008
R1.5		18	R1.5 - 20 3/4	224	0.072	0.151	0.004	0.008
GM1.5		20	GM1.5 - 28 5/6	238	0.081	0.148	0.004	0.008
S-.5		18	S-.5 - 30 11/12	266	0.065	0.152	0.004	0.008
R1		22	R1 - 27	309	0.060	0.160	0.004	0.009
GM4.5		11	GM4.5 - 13 1/3	339	(0.078)	0.138	0.004	0.009
L2.5		11	L2.5 - 13 1/2	369	0.009	0.134	0.005	0.009

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R3.5	20	R3.5 - 12	370	(0.065)	0.147	0.005	0.009
GM1.0	17	GM1.0 - 34	388	0.115	0.163	0.005	0.010
S2	12	S2 - 13 1/3	394	(0.066)	0.139	0.005	0.010
R0.5	18	R0.5 - 34	401	0.093	0.162	0.005	0.010
H1.00	17	H1.00 - 34	405	0.114	0.165	0.005	0.010
GM5.0	20	GM5.0 - 11 5/12	435	(0.057)	0.155	0.005	0.010
O3	18	O3 - 92 5/12	466	(0.048)	0.195	0.005	0.011
S2.5	20	S2.5 - 12 1/3	518	(0.076)	0.156	0.006	0.012
O1	18	O1 - 56	533	(0.030)	0.211	0.006	0.013
O2	18	O2 - 62 5/6	534	(0.038)	0.211	0.006	0.013
O4	18	O4 - 125 7/12	536	(0.067)	0.206	0.007	0.013
L3	12	L3 - 13 1/3	553	(0.122)	0.155	0.007	0.014
R4	25	R4 - 11 1/6	585	(0.090)	0.168	0.007	0.014
L3.5	20	L3.5 - 12	586	(0.096)	0.168	0.007	0.014
H4.00	20	H4.00 - 11 5/6	620	(0.111)	0.172	0.008	0.016
S3	21	S3 - 11 5/6	691	(0.129)	0.185	0.009	0.018
L4	23	L4 - 11 1/4	719	(0.137)	0.196	0.010	0.020
H0.50	17	H0.50 - 34	735	0.258	0.258	0.011	0.021
S3.5	22	S3.5 - 10 5/6	749	(0.094)	0.207	0.011	0.022
H5.00	22	H5.00 - 10 5/6	770	(0.131)	0.218	0.012	0.024
S4	23	S4 - 10 5/12	835	(0.146)	0.248	0.015	0.030
L5	216	L5 - 10 1/4	844	(0.188)	0.243	0.015	0.031
R5	22	R5 - 10 1/12	845	(0.183)	0.246	0.015	0.031
GM5.5	19	GM5.5 - 10 1/6	847	(0.226)	0.229	0.016	0.031
SQ	205	SQ - 8 5/12	1,078	(0.364)	0.364	0.032	0.064
S5	8	S5 - 17 1/3	1,172	(0.373)	0.373	0.034	0.068
S6	96	S6 - 13 2/3	1,178	(0.373)	0.373	0.034	0.068

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G382.00-Meter & Reg Instllns

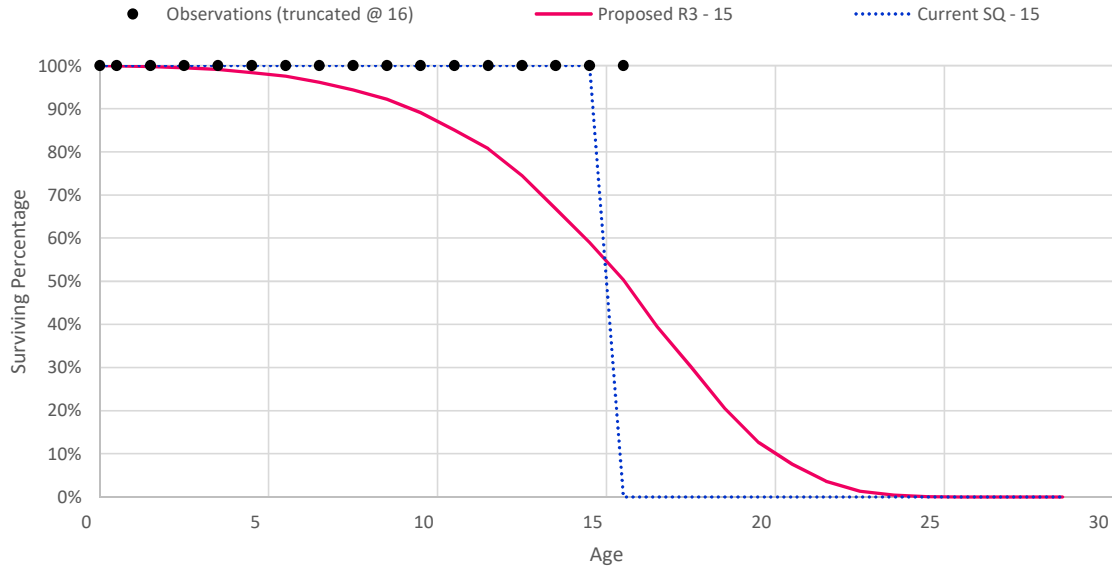


Survivor	Best Fit Curve by Type			Variance from Observation(s)				
	Curve Type	Trials	Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2		34	L2 - 35 1/12	1	1.081	2.228	0.084	0.185
L1.5		35	L1.5 - 35 1/2	11	0.691	1.832	0.090	0.229
L2.5		29	L2.5 - 34 3/4	33	1.424	2.956	0.158	0.331
H2.00		29	H2.00 - 34 3/4	41	1.411	3.131	0.165	0.379
GM2.5		29	GM2.5 - 34 1/12	52	2.068	3.541	0.206	0.423
L1		34	L1 - 35 5/6	54	0.380	2.414	0.173	0.426
S0.5		30	S0.5 - 34 1/12	68	2.070	3.630	0.225	0.437
S1		30	S1 - 34 1/12	87	2.069	3.789	0.260	0.484
GM3.0		29	GM3.0 - 34 1/12	96	2.066	3.890	0.262	0.518
H2.50		29	H2.50 - 34 1/12	97	2.070	3.701	0.258	0.520
GM2.0		29	GM2.0 - 34 3/4	98	1.412	3.066	0.221	0.522
H1.50		29	H1.50 - 34 3/4	107	1.464	2.862	0.225	0.527
S0		30	S0 - 34 1/12	110	2.071	3.643	0.254	0.530
S1.5		30	S1.5 - 34 1/12	154	2.070	4.174	0.336	0.658
L0.5		34	L0.5 - 35 5/6	159	0.526	3.662	0.294	0.670
L3		25	L3 - 34 1/12	168	2.088	4.205	0.322	0.680
GM1.5		31	GM1.5 - 35 1/12	180	1.237	3.413	0.303	0.692
R1		24	R1 - 34 1/12	186	2.061	4.465	0.326	0.698
R1.5		30	R1.5 - 34 1/12	194	2.062	4.550	0.335	0.703
GM3.5		29	GM3.5 - 34 1/12	224	2.062	4.434	0.392	0.803
S-.5		30	S-.5 - 34 1/12	226	2.075	4.195	0.363	0.805
R0.5		30	R0.5 - 34 1/12	249	2.070	4.436	0.384	0.857
H3.00		29	H3.00 - 34 1/12	264	2.070	4.536	0.415	0.885
R2		30	R2 - 34 1/12	282	2.056	4.764	0.433	0.914
H1.00		31	H1.00 - 35 1/12	288	1.320	4.324	0.417	0.927
S2		30	S2 - 34 1/12	321	2.070	4.921	0.469	0.974
GM1.0		37	GM1.0 - 35 5/6	330	0.715	4.900	0.456	0.988

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L0	40	L0 - 35 3/4	362	0.748	4.959	0.476	1.034
O1	30	O1 - 34 1/12	437	2.079	5.410	0.579	1.284
GM4.0	29	GM4.0 - 34 1/12	443	2.056	5.224	0.586	1.301
R2.5	30	R2.5 - 34 1/12	444	2.055	5.156	0.573	1.301
L3.5	23	L3.5 - 34 1/12	452	2.089	5.601	0.560	1.322
S2.5	29	S2.5 - 34 1/12	475	2.069	5.778	0.619	1.392
O2	217	O2 - 36 7/12	476	0.687	6.271	0.681	1.393
H0.50	216	H0.50 - 36 7/12	511	0.377	6.469	0.696	1.423
R3	30	R3 - 34 1/12	776	2.053	6.260	0.791	1.905
H4.00	23	H4.00 - 34 1/12	789	2.069	6.598	0.801	1.928
S3	24	S3 - 34 1/12	794	2.069	6.669	0.816	1.941
GM4.5	29	GM4.5 - 34 1/12	831	2.050	6.453	0.841	2.043
L4	25	L4 - 33 11/12	889	2.233	7.013	0.896	2.245
R3.5	29	R3.5 - 34 1/12	979	2.053	7.119	0.995	2.538
S3.5	23	S3.5 - 34 1/12	1,021	2.070	7.568	1.068	2.735
O3	28	O3 - 44 1/3	1,023	(1.373)	10.310	1.586	2.737
H5.00	23	H5.00 - 34 1/12	1,078	2.071	7.856	1.160	3.023
GM5.0	23	GM5.0 - 34 1/12	1,095	2.044	7.718	1.189	3.139
R4	24	R4 - 34 1/12	1,123	2.052	8.041	1.255	3.339
O4	25	O4 - 57	1,148	(3.620)	12.701	2.378	3.698
S4	24	S4 - 34 1/12	1,154	2.072	8.501	1.382	3.729
L5	12	L5 - 36 1/2	1,206	(0.361)	9.241	1.713	5.111
R5	12	R5 - 36 1/2	1,228	(0.384)	10.158	2.121	6.355
S5	16	S5 - 36 1/2	1,233	(0.373)	10.411	2.281	6.970
S6	202	S6 - 36 1/2	1,248	(0.370)	11.574	2.970	9.257
GM5.5	11	GM5.5 - 41 7/12	1,303	(5.447)	12.152	3.646	11.227
SQ	202	SQ - 36 1/2	1,358	(0.850)	13.874	4.635	14.312

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G382.01-Mtr-Reg-Mod Install

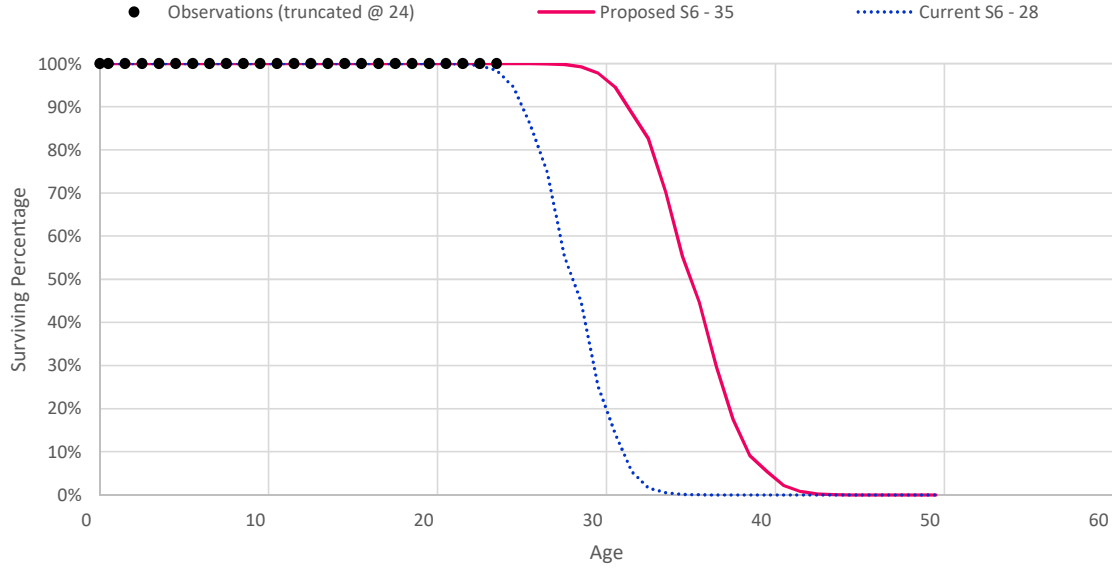


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
H5.00	8	H5.00 - 62	1	(0.000)	0.000	0.000	0.000
S3.5	8	S3.5 - 62	2	(0.000)	0.000	0.000	0.000
S5	95	S5 - 62	2	(0.000)	0.000	0.000	0.000
L4	8	L4 - 27 3/4	4	(0.001)	0.001	0.000	0.000
S4	5	S4 - 27 3/4	4	(0.001)	0.001	0.000	0.000
L5	201	L5 - 27 3/4	4	(0.001)	0.001	0.000	0.000
R5	5	R5 - 27 3/4	4	(0.001)	0.001	0.000	0.000
SQ	204	SQ - 27 3/4	4	(0.001)	0.001	0.000	0.000
S6	201	S6 - 27 3/4	4	(0.001)	0.001	0.000	0.000
S3	8	S3 - 62	614	(0.000)	0.001	0.000	0.000
L3.5	20	L3.5 - 62	671	0.003	0.003	0.000	0.000
H4.00	27	H4.00 - 62	672	0.005	0.005	0.000	0.000
R4	20	R4 - 62	693	0.006	0.006	0.000	0.000
S2.5	14	S2.5 - 62	694	0.005	0.005	0.000	0.000
GM5.5	8	GM5.5 - 62	723	0.011	0.011	0.000	0.000
L3	14	L3 - 62	724	0.007	0.007	0.000	0.000
S2	22	S2 - 62	749	0.010	0.010	0.000	0.000
GM5.0	20	GM5.0 - 62	800	0.030	0.030	0.000	0.000
R3.5	20	R3.5 - 62	817	0.035	0.035	0.000	0.000
L2.5	20	L2.5 - 62	840	0.036	0.036	0.000	0.000
GM4.5	20	GM4.5 - 62	861	0.051	0.051	0.000	0.001
S1.5	20	S1.5 - 62	867	0.048	0.048	0.000	0.001
H3.00	20	H3.00 - 62	887	0.062	0.062	0.000	0.001
R3	21	R3 - 62	888	0.064	0.064	0.000	0.001
L2	20	L2 - 62	919	0.065	0.065	0.001	0.001
S1	20	S1 - 62	945	0.086	0.086	0.001	0.002
GM4.0	20	GM4.0 - 62	947	0.099	0.099	0.001	0.002

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.5	20	GM3.5 - 62	988	0.129	0.129	0.002	0.004
R2.5	20	R2.5 - 62	1,001	0.158	0.158	0.002	0.005
H2.50	20	H2.50 - 62	1,003	0.157	0.157	0.002	0.005
L1.5	20	L1.5 - 62	1,034	0.168	0.168	0.003	0.006
GM3.0	20	GM3.0 - 62	1,058	0.199	0.199	0.004	0.008
S0.5	20	S0.5 - 62	1,068	0.211	0.211	0.005	0.010
R2	20	R2 - 62	1,087	0.252	0.252	0.006	0.012
L1	20	L1 - 62	1,112	0.272	0.272	0.008	0.016
GM2.5	20	GM2.5 - 62	1,122	0.293	0.293	0.008	0.017
H2.00	20	H2.00 - 62	1,138	0.325	0.325	0.010	0.020
S0	20	S0 - 62	1,163	0.337	0.337	0.012	0.024
R1.5	20	R1.5 - 62	1,188	0.415	0.415	0.015	0.031
L0.5	20	L0.5 - 62	1,218	0.486	0.486	0.023	0.047
GM2.0	20	GM2.0 - 62	1,226	0.518	0.518	0.024	0.049
H1.50	20	H1.50 - 62	1,242	0.561	0.561	0.028	0.056
R1	20	R1 - 62	1,249	0.577	0.577	0.029	0.058
GM1.5	20	GM1.5 - 62	1,286	0.629	0.629	0.036	0.072
S-.5	20	S-.5 - 62	1,299	0.671	0.671	0.040	0.081
L0	20	L0 - 62	1,315	0.700	0.700	0.047	0.094
R0.5	20	R0.5 - 62	1,331	0.791	0.791	0.054	0.108
H1.00	20	H1.00 - 62	1,353	0.825	0.825	0.059	0.119
GM1.0	20	GM1.0 - 62	1,354	0.826	0.826	0.060	0.120
O1	20	O1 - 62	1,406	1.005	1.005	0.086	0.172
H0.50	20	H0.50 - 62	1,422	1.072	1.072	0.099	0.198
O2	20	O2 - 62	1,432	1.129	1.129	0.109	0.217
O3	20	O3 - 62	1,493	1.642	1.642	0.228	0.457
O4	20	O4 - 62	1,524	2.193	2.193	0.405	0.809

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G385.00-Ind Meas & Reg St Eq

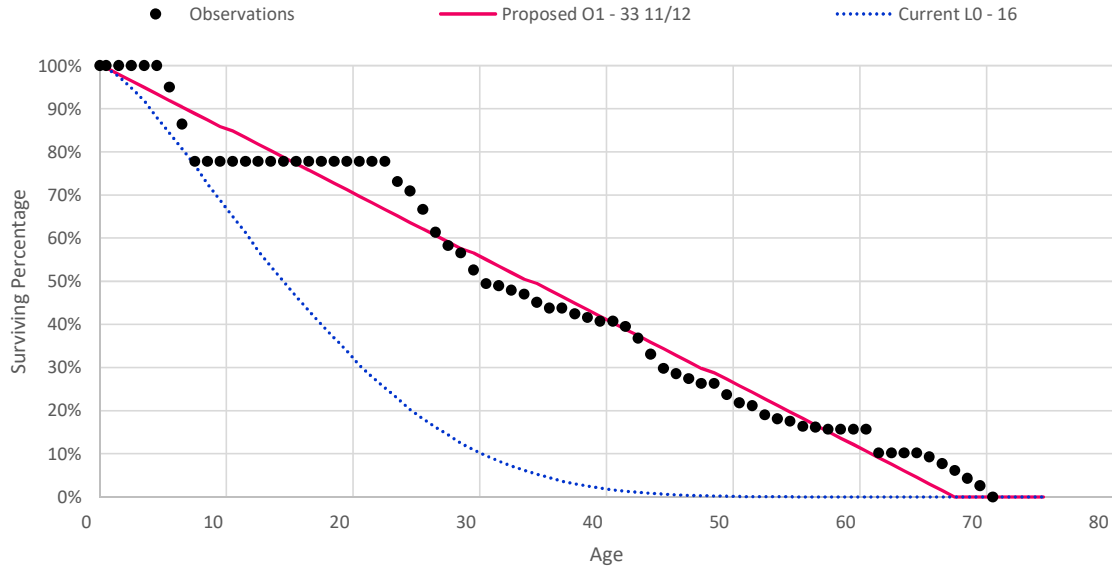


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L4	430	L4 - 169 11/12	1	0.000	0.000	0.000	0.000
S4	216	S4 - 169 11/12	1	0.000	0.000	0.000	0.000
L5	238	L5 - 169 11/12	1	0.000	0.000	0.000	0.000
R5	220	R5 - 169 11/12	1	0.000	0.000	0.000	0.000
S5	201	S5 - 169 11/12	1	0.000	0.000	0.000	0.000
S6	203	S6 - 169 11/12	1	0.000	0.000	0.000	0.000
SQ	204	SQ - 169 11/12	1	0.000	0.000	0.000	0.000
S3.5	21	S3.5 - 194	1,637	0.001	0.001	0.000	0.000
H5.00	25	H5.00 - 194	1,638	0.001	0.001	0.000	0.000
S3	19	S3 - 194	1,640	0.001	0.001	0.000	0.000
L3.5	11	L3.5 - 194	1,751	0.009	0.009	0.000	0.000
H4.00	15	H4.00 - 194	1,752	0.016	0.016	0.000	0.000
S2.5	11	S2.5 - 194	1,753	0.015	0.015	0.000	0.000
R4	11	R4 - 194	1,754	0.020	0.020	0.000	0.000
L3	14	L3 - 194	1,758	0.019	0.019	0.000	0.000
GM5.5	15	GM5.5 - 194	1,764	0.034	0.034	0.000	0.000
S2	25	S2 - 194	1,779	0.029	0.029	0.000	0.000
GM5.0	26	GM5.0 - 194	1,825	0.088	0.088	0.000	0.001
R3.5	26	R3.5 - 194	1,844	0.104	0.104	0.000	0.001
L2.5	26	L2.5 - 194	1,869	0.102	0.102	0.000	0.001
GM4.5	26	GM4.5 - 194	1,891	0.151	0.151	0.001	0.002
S1.5	26	S1.5 - 194	1,895	0.138	0.138	0.001	0.002
H3.00	26	H3.00 - 194	1,926	0.182	0.182	0.001	0.002
R3	26	R3 - 194	1,929	0.188	0.188	0.001	0.002
L2	26	L2 - 194	1,970	0.185	0.185	0.002	0.003
S1	26	S1 - 194	2,001	0.246	0.246	0.003	0.005
GM4.0	26	GM4.0 - 194	2,011	0.292	0.292	0.003	0.006

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM3.5	26	GM3.5 - 194	2,057	0.377	0.377	0.005	0.010
R2.5	26	R2.5 - 194	2,076	0.467	0.467	0.007	0.013
H2.50	26	H2.50 - 194	2,082	0.461	0.461	0.007	0.014
L1.5	26	L1.5 - 194	2,120	0.491	0.491	0.009	0.017
GM3.0	26	GM3.0 - 194	2,151	0.585	0.585	0.011	0.023
S0.5	26	S0.5 - 194	2,167	0.617	0.617	0.014	0.028
R2	26	R2 - 194	2,192	0.747	0.747	0.017	0.033
L1	26	L1 - 194	2,220	0.796	0.796	0.022	0.043
GM2.5	26	GM2.5 - 194	2,236	0.863	0.863	0.024	0.047
H2.00	26	H2.00 - 194	2,261	0.961	0.961	0.028	0.056
S0	26	S0 - 194	2,289	0.987	0.987	0.034	0.067
R1.5	26	R1.5 - 194	2,323	1.232	1.232	0.044	0.088
L0.5	26	L0.5 - 194	2,357	1.432	1.432	0.066	0.131
GM2.0	26	GM2.0 - 194	2,373	1.537	1.537	0.070	0.140
H1.50	26	H1.50 - 194	2,393	1.664	1.664	0.081	0.162
R1	26	R1 - 194	2,405	1.717	1.717	0.084	0.168
GM1.5	26	GM1.5 - 194	2,451	1.866	1.866	0.103	0.206
S-.5	26	S-.5 - 194	2,470	1.991	1.991	0.116	0.232
L0	26	L0 - 194	2,486	2.069	2.069	0.134	0.268
R0.5	26	R0.5 - 194	2,514	2.356	2.356	0.156	0.312
H1.00	26	H1.00 - 194	2,542	2.455	2.455	0.172	0.343
GM1.0	26	GM1.0 - 194	2,543	2.456	2.456	0.173	0.346
O1	26	O1 - 194	2,607	2.996	2.996	0.250	0.499
H0.50	26	H0.50 - 194	2,624	3.195	3.195	0.286	0.573
O2	26	O2 - 194	2,645	3.368	3.368	0.316	0.631
O3	26	O3 - 194	2,712	4.898	4.898	0.665	1.329
O4	26	O4 - 194	2,749	6.545	6.545	1.179	2.359

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G387.11-Other Equipment

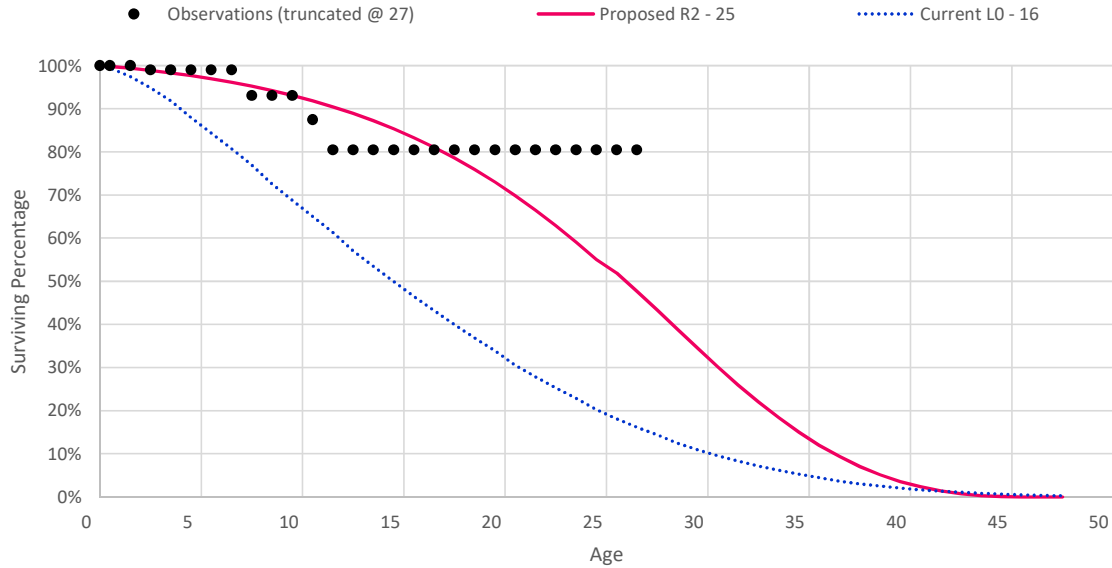


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
H1.00	23	H1.00 - 34 1/12	1	0.166	2.140	0.135	0.488
O1	25	O1 - 33 11/12	2	(0.259)	2.824	0.156	0.495
O2	208	O2 - 36 1/6	6	(0.551)	2.762	0.169	0.503
GM1.0	23	GM1.0 - 36 1/12	20	(1.375)	2.701	0.158	0.513
H0.50	33	H0.50 - 35 11/12	50	(0.752)	2.947	0.185	0.550
L0	27	L0 - 36	67	(1.337)	2.733	0.172	0.563
GM1.5	23	GM1.5 - 34 1/12	74	0.017	2.400	0.158	0.568
R0.5	24	R0.5 - 33 11/12	77	(0.266)	3.003	0.196	0.571
S-.5	24	S-.5 - 33 11/12	78	(0.260)	2.821	0.186	0.573
H1.50	23	H1.50 - 34 1/12	121	(0.195)	2.910	0.197	0.668
L0.5	24	L0.5 - 34 1/12	127	0.017	2.484	0.185	0.675
GM2.0	23	GM2.0 - 34 1/12	145	(0.325)	3.117	0.223	0.735
L1	24	L1 - 34 1/12	206	(0.222)	3.127	0.264	0.939
S0	24	S0 - 33 11/12	213	(0.267)	3.791	0.322	0.953
R1	24	R1 - 33 11/12	229	(0.277)	4.293	0.373	1.014
O3	18	O3 - 45 1/12	269	(2.223)	5.332	0.616	1.218
H2.00	23	H2.00 - 34 1/12	281	(0.365)	4.435	0.405	1.279
GM2.5	23	GM2.5 - 34 1/12	287	(0.410)	4.504	0.420	1.296
L1.5	24	L1.5 - 34 1/12	293	(0.289)	3.970	0.387	1.326
S0.5	24	S0.5 - 33 11/12	308	(0.268)	4.788	0.477	1.412
R1.5	24	R1.5 - 33 11/12	343	(0.277)	5.608	0.580	1.627
O4	15	O4 - 53 5/6	369	(2.329)	6.458	0.938	1.808
GM3.0	23	GM3.0 - 34 1/12	376	(0.432)	5.667	0.616	1.846
L2	25	L2 - 34 1/12	386	(0.355)	5.099	0.577	1.941
S1	24	S1 - 34 1/12	399	(0.431)	5.923	0.687	2.067
H2.50	23	H2.50 - 34 1/12	416	(0.418)	6.252	0.726	2.247
R2	24	R2 - 34 1/12	445	(0.444)	6.961	0.869	2.515

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2.5	23	L2.5 - 34 1/12	454	(0.382)	6.424	0.802	2.648
GM3.5	23	GM3.5 - 34 1/12	457	(0.438)	7.027	0.897	2.659
S1.5	24	S1.5 - 34 1/12	472	(0.431)	7.041	0.913	2.788
H3.00	23	H3.00 - 34 1/12	528	(0.429)	7.803	1.086	3.378
R2.5	24	R2.5 - 34 1/12	533	(0.445)	8.190	1.176	3.530
L3	24	L3 - 33 11/12	536	(0.245)	7.774	1.106	3.590
GM4.0	31	GM4.0 - 34 1/12	543	(0.444)	8.297	1.218	3.654
S2	24	S2 - 34 1/12	556	(0.430)	8.164	1.196	3.697
S2.5	23	S2.5 - 34 1/12	604	(0.431)	9.089	1.458	4.576
L3.5	23	L3.5 - 33 11/12	615	(0.256)	9.137	1.478	4.774
R3	32	R3 - 34 1/12	621	(0.447)	9.444	1.562	4.807
GM4.5	31	GM4.5 - 34 1/12	642	(0.450)	9.616	1.625	5.012
H4.00	23	H4.00 - 34 1/12	683	(0.431)	9.948	1.739	5.532
S3	24	S3 - 34 1/12	688	(0.431)	10.014	1.767	5.612
R3.5	23	R3.5 - 34 1/12	704	(0.447)	10.396	1.889	5.934
L4	25	L4 - 33 11/12	721	(0.267)	10.525	1.944	6.278
GM5.0	23	GM5.0 - 34 1/12	738	(0.456)	10.973	2.128	6.727
S3.5	23	S3.5 - 33 11/12	741	(0.275)	11.008	2.133	6.838
R4	24	R4 - 34 1/12	758	(0.448)	11.363	2.272	7.248
H5.00	25	H5.00 - 33 11/12	759	(0.276)	11.313	2.258	7.269
S4	26	S4 - 33 11/12	798	(0.281)	11.974	2.551	8.274
L5	25	L5 - 31 11/12	816	1.744	12.500	2.804	8.917
R5	23	R5 - 31 3/4	835	1.895	13.129	3.178	10.110
S5	6	S5 - 31 3/4	849	1.861	13.498	3.344	10.725
GM5.5	31	GM5.5 - 31 3/4	852	1.879	13.717	3.484	11.126
S6	202	S6 - 31 3/4	881	1.871	14.597	3.975	12.906
SQ	202	SQ - 31 3/4	953	1.650	16.628	5.309	17.172

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G387.12-Other EQ -CNG Deprec

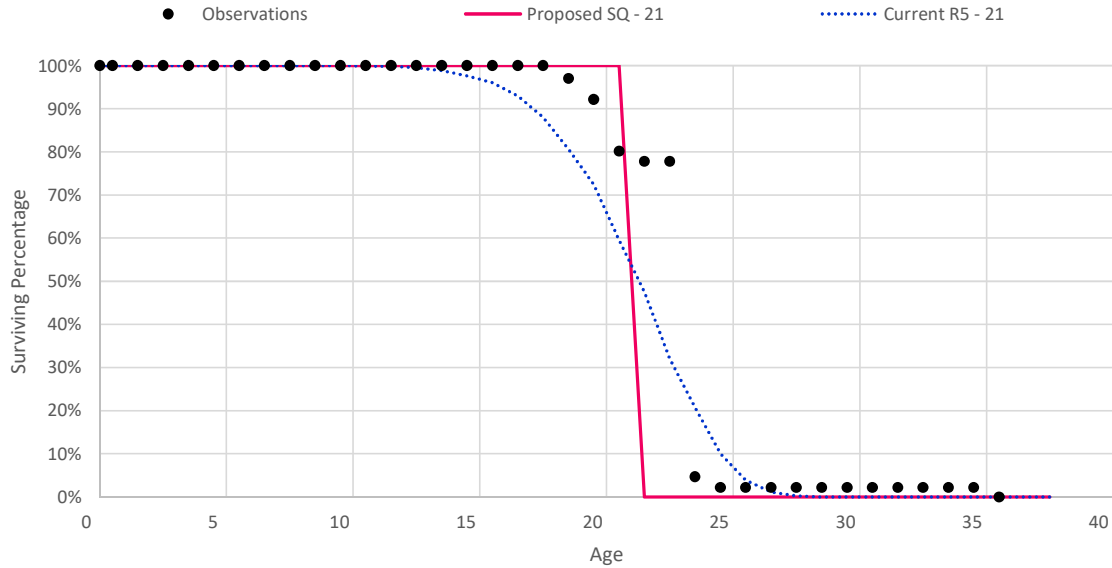


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
O4	154	O4 - 102 3/4	1	0.275	0.871	0.041	0.082
O3	25	O3 - 79 5/6	17	0.119	0.887	0.043	0.086
O1	6	O1 - 53 5/12	22	(0.130)	0.872	0.043	0.086
O2	6	O2 - 61 5/12	40	(0.210)	0.875	0.045	0.090
H0.50	5	H0.50 - 53 7/12	109	0.175	0.939	0.048	0.096
R0.5	12	R0.5 - 45 1/12	124	(0.177)	0.914	0.049	0.097
S-.5	12	S-.5 - 43 2/3	180	(0.176)	0.964	0.056	0.113
GM1.0	11	GM1.0 - 53 5/12	181	(0.431)	0.944	0.057	0.113
H1.00	11	H1.00 - 53 5/12	184	(0.488)	0.947	0.058	0.116
R1	12	R1 - 37 1/2	187	(0.143)	1.006	0.060	0.121
L0	13	L0 - 49	188	(0.180)	0.983	0.060	0.121
H1.50	11	H1.50 - 40 1/2	201	(0.190)	1.069	0.070	0.139
GM2.0	11	GM2.0 - 40 1/2	207	(0.329)	1.076	0.071	0.142
GM1.5	11	GM1.5 - 40 1/2	211	0.213	1.118	0.077	0.154
R1.5	24	R1.5 - 33 3/4	214	(0.294)	1.153	0.081	0.163
L0.5	12	L0.5 - 42 1/6	215	(0.146)	1.132	0.082	0.163
S0	12	S0 - 40 1/3	225	(0.656)	1.155	0.088	0.177
L1	12	L1 - 40 1/2	251	(0.615)	1.335	0.114	0.228
R2	22	R2 - 32 1/12	256	(0.650)	1.357	0.116	0.231
H2.00	11	H2.00 - 40 1/3	261	(1.059)	1.323	0.117	0.234
GM2.5	11	GM2.5 - 40 1/3	265	(1.068)	1.318	0.117	0.235
GM3.0	23	GM3.0 - 33 3/4	271	(0.637)	1.374	0.121	0.241
S0.5	12	S0.5 - 32 5/6	283	(0.101)	1.374	0.125	0.249
GM3.5	20	GM3.5 - 32 1/12	301	(0.831)	1.515	0.146	0.292
H2.50	20	H2.50 - 33 3/4	304	(0.977)	1.531	0.150	0.300
R2.5	26	R2.5 - 31 1/4	306	(1.036)	1.534	0.151	0.302
S1	24	S1 - 33 3/4	309	(0.860)	1.545	0.152	0.304

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L1.5	12	L1.5 - 40 1/2	330	(1.255)	1.535	0.156	0.312
GM4.0	25	GM4.0 - 31 1/4	345	(1.121)	1.620	0.168	0.336
S1.5	21	S1.5 - 32 1/4	374	(1.046)	1.730	0.188	0.376
L2	25	L2 - 33 3/4	387	(0.827)	1.807	0.203	0.405
R3	25	R3 - 30 1/4	392	(1.387)	1.802	0.206	0.412
H3.00	22	H3.00 - 32 1/12	401	(1.317)	1.819	0.208	0.416
GM4.5	24	GM4.5 - 28 5/6	423	(1.112)	1.853	0.213	0.427
L2.5	20	L2.5 - 33 3/4	454	(1.392)	1.931	0.229	0.458
S2	26	S2 - 31 1/4	468	(1.307)	1.970	0.237	0.473
R3.5	22	R3.5 - 28 5/6	487	(1.454)	2.000	0.246	0.493
S2.5	23	S2.5 - 30 5/6	525	(1.608)	2.120	0.272	0.544
GM5.0	8	GM5.0 - 27 1/3	540	(1.222)	2.126	0.278	0.555
L3	21	L3 - 32 1/12	547	(1.584)	2.171	0.283	0.566
L3.5	29	L3.5 - 30 5/6	572	(1.787)	2.250	0.305	0.610
H4.00	24	H4.00 - 30 1/4	581	(1.820)	2.259	0.309	0.619
R4	9	R4 - 27 1/3	605	(1.406)	2.280	0.315	0.630
S3	25	S3 - 30 1/4	622	(1.853)	2.311	0.324	0.648
L4	26	L4 - 30 1/4	657	(2.155)	2.456	0.358	0.716
S3.5	22	S3.5 - 28 5/6	658	(1.855)	2.449	0.359	0.718
H5.00	22	H5.00 - 28 5/6	700	(1.981)	2.518	0.376	0.751
S4	23	S4 - 28 5/6	739	(2.253)	2.653	0.415	0.831
GM5.5	8	GM5.5 - 27 1/3	746	(2.386)	2.741	0.426	0.852
R5	9	R5 - 27 1/3	767	(2.170)	2.772	0.441	0.881
L5	9	L5 - 27 1/3	800	(1.931)	2.859	0.474	0.948
S5	10	S5 - 53 1/4	941	(3.504)	3.504	0.645	1.289
S6	202	S6 - 106	949	(3.504)	3.504	0.645	1.289
SQ	203	SQ - 106	949	(3.504)	3.504	0.645	1.289

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G392.20-Transprtn Eq-Trailer

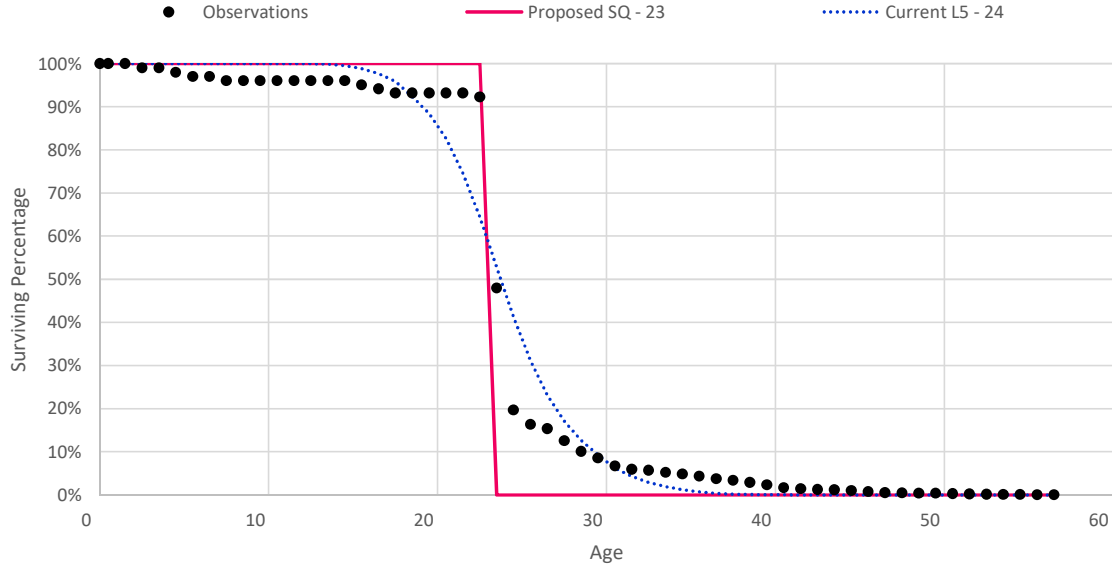


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
GM5.5	26	GM5.5 - 22 5/12	1	0.051	1.337	0.243	0.390
S6	202	S6 - 22 7/12	5	(0.027)	1.095	0.176	0.436
SQ	205	SQ - 22 7/12	9	(0.481)	1.040	0.153	0.495
R5	29	R5 - 23	11	(0.490)	1.726	0.401	0.530
S5	10	S5 - 22 7/12	19	(0.046)	1.459	0.284	0.587
L5	18	L5 - 23	21	(0.471)	1.979	0.398	0.660
S4	18	S4 - 23	26	(0.481)	2.367	0.528	0.799
R4	27	R4 - 22 5/12	31	0.074	2.775	0.583	0.911
H5.00	17	H5.00 - 23	38	(0.477)	2.757	0.618	0.940
GM5.0	26	GM5.0 - 22 5/12	42	0.074	3.057	0.668	1.002
S3.5	17	S3.5 - 23 1/6	43	(0.638)	2.956	0.689	1.008
L4	18	L4 - 23 1/6	56	(0.597)	3.164	0.672	1.092
R3.5	26	R3.5 - 22 5/12	59	0.077	3.331	0.727	1.128
H4.00	17	H4.00 - 23 1/6	69	(0.619)	3.617	0.852	1.262
S3	18	S3 - 23 1/6	72	(0.634)	3.588	0.861	1.277
L3.5	20	L3.5 - 25 1/6	75	(2.234)	4.262	1.167	1.342
GM4.5	17	GM4.5 - 23	77	(0.493)	4.035	1.011	1.381
R3	18	R3 - 23	83	(0.490)	4.118	1.016	1.401
S2.5	17	S2.5 - 23 1/6	100	(0.605)	4.200	1.014	1.514
L3	21	L3 - 25 1/6	109	(2.005)	4.951	1.317	1.657
R2.5	18	R2.5 - 23	112	(0.451)	4.954	1.233	1.734
GM4.0	17	GM4.0 - 23	116	(0.468)	4.878	1.237	1.748
S2	18	S2 - 23 1/6	119	(0.577)	4.812	1.198	1.799
H3.00	17	H3.00 - 23 1/6	122	(0.497)	4.986	1.217	1.835
L2.5	20	L2.5 - 25 1/6	129	(1.721)	5.654	1.523	2.018
GM3.5	17	GM3.5 - 23 1/6	138	(0.535)	5.658	1.466	2.115
S1.5	21	S1.5 - 23 1/6	139	(0.492)	5.505	1.403	2.117

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2	18	R2 - 23	146	(0.411)	5.805	1.504	2.143
H2.50	20	H2.50 - 23 1/6	159	(0.320)	5.899	1.497	2.286
L2	25	L2 - 25 1/6	185	(1.436)	6.357	1.773	2.461
S1	21	S1 - 23 1/6	188	(0.408)	6.197	1.644	2.490
GM3.0	20	GM3.0 - 23 1/6	198	(0.347)	6.375	1.686	2.519
R1.5	18	R1.5 - 23	216	(0.263)	6.678	1.785	2.595
H2.00	20	H2.00 - 25 1/6	240	(1.473)	7.208	2.132	2.809
S0.5	21	S0.5 - 25 1/6	251	(1.744)	7.243	2.215	2.862
GM2.5	20	GM2.5 - 25 1/6	252	(1.592)	7.287	2.198	2.865
L1.5	24	L1.5 - 27 7/12	271	(2.637)	7.338	2.413	2.915
R1	18	R1 - 23 1/6	295	(0.247)	7.591	2.148	3.126
S0	21	S0 - 25 1/6	311	(1.479)	7.908	2.473	3.287
GM2.0	22	GM2.0 - 25 1/6	321	(1.063)	8.052	2.451	3.366
L1	24	L1 - 27 7/12	322	(2.211)	8.020	2.665	3.367
H1.50	24	H1.50 - 25 1/6	331	(0.824)	8.111	2.440	3.431
L0.5	24	L0.5 - 27 7/12	368	(1.644)	8.568	2.820	3.724
GM1.5	23	GM1.5 - 27 7/12	375	(1.679)	8.708	2.883	3.760
R0.5	21	R0.5 - 23 1/6	382	0.123	8.500	2.517	3.789
S-.5	25	S-.5 - 25 1/6	397	(1.053)	8.735	2.793	3.827
H1.00	23	H1.00 - 27 7/12	432	(1.314)	9.105	3.020	4.046
GM1.0	23	GM1.0 - 27 7/12	444	(1.123)	9.134	3.005	4.099
L0	24	L0 - 28 3/4	454	(1.596)	9.173	3.133	4.137
O2	24	O2 - 28 3/4	510	(0.848)	9.653	3.240	4.484
O1	24	O1 - 27 7/12	522	(1.749)	9.794	3.506	4.527
H0.50	8	H0.50 - 36 1/6	570	(3.467)	9.990	4.121	4.784
O3	9	O3 - 36 1/3	618	(0.545)	10.312	3.593	5.107
O4	71	O4 - 53 5/6	630	(1.945)	10.550	4.040	5.190

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Summary Results of Life Analysis
G394.10-Portable Tools

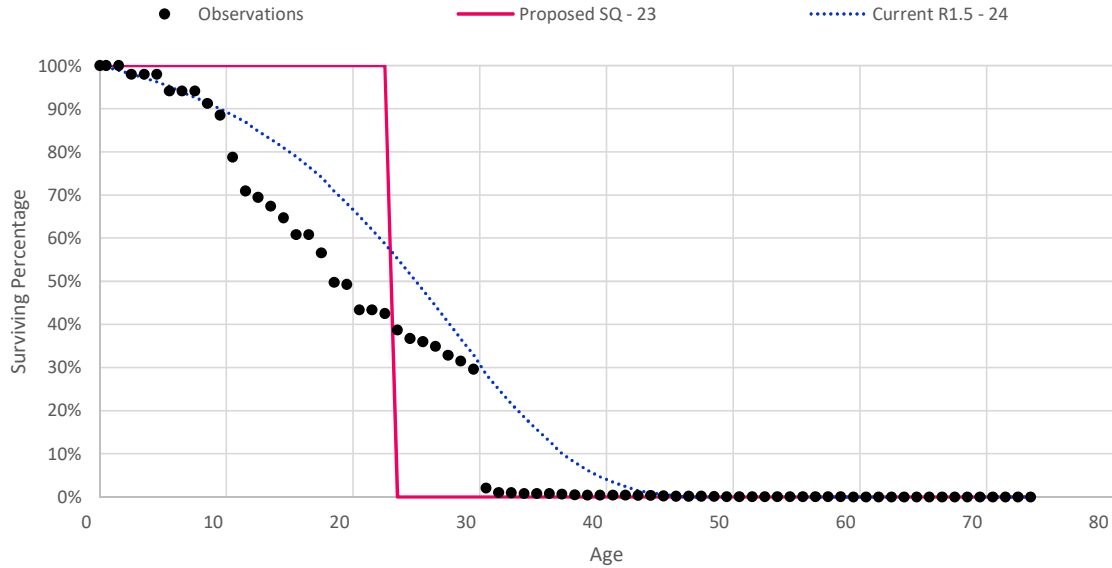


Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S6	6	S6 - 23 2/3	1	(0.062)	2.325	0.180	0.279
GM5.5	26	GM5.5 - 23	2	0.547	2.290	0.206	0.329
S5	6	S5 - 23 2/3	4	(0.071)	2.313	0.221	0.356
R5	27	R5 - 23 3/4	7	(0.186)	2.386	0.238	0.365
L5	28	L5 - 24	8	(0.428)	2.197	0.226	0.365
S4	29	S4 - 23 3/4	25	(0.176)	2.500	0.310	0.498
R4	27	R4 - 23 2/3	33	(0.091)	2.609	0.366	0.542
H5.00	30	H5.00 - 24 1/2	35	(0.934)	2.761	0.397	0.555
L4	220	L4 - 24 3/4	37	(1.184)	2.768	0.398	0.557
S3.5	30	S3.5 - 24 1/2	58	(0.934)	2.828	0.420	0.588
GM5.0	26	GM5.0 - 23 3/4	69	(0.188)	2.753	0.423	0.603
R3.5	30	R3.5 - 23 3/4	95	(0.186)	2.845	0.446	0.651
H4.00	30	H4.00 - 24 1/2	121	(0.934)	3.125	0.520	0.728
S3	31	S3 - 24 1/2	129	(0.934)	3.203	0.532	0.747
L3.5	219	L3.5 - 24 3/4	130	(1.184)	3.260	0.518	0.747
GM4.5	30	GM4.5 - 23 3/4	177	(0.186)	3.233	0.561	0.807
R3	31	R3 - 23 2/3	180	(0.094)	3.204	0.554	0.811
S2.5	30	S2.5 - 24 1/2	215	(0.934)	3.523	0.631	0.887
SQ	9	SQ - 23	261	0.566	3.046	0.442	0.966
R2.5	32	R2.5 - 23 2/3	275	(0.094)	3.653	0.693	1.015
GM4.0	30	GM4.0 - 23 3/4	290	(0.183)	3.735	0.712	1.038
L3	235	L3 - 25 2/3	293	(2.085)	4.415	0.786	1.043
S2	220	S2 - 24 3/4	322	(1.184)	4.030	0.782	1.071
H3.00	219	H3.00 - 24 3/4	329	(1.184)	4.047	0.786	1.078
S1.5	220	S1.5 - 24 3/4	525	(1.184)	4.586	0.929	1.281
GM3.5	30	GM3.5 - 23 3/4	530	(0.180)	4.275	0.867	1.290
R2	31	R2 - 23 2/3	538	(0.094)	4.342	0.887	1.296

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2.5	228	L2.5 - 25 2/3	565	(2.084)	5.186	0.972	1.316
H2.50	219	H2.50 - 24 3/4	675	(1.183)	4.913	0.995	1.384
S1	220	S1 - 24 3/4	850	(1.184)	5.260	1.118	1.554
GM3.0	219	GM3.0 - 24 3/4	874	(1.184)	5.360	1.149	1.582
R1.5	31	R1.5 - 23 2/3	942	(0.091)	5.259	1.101	1.620
L2	229	L2 - 25 2/3	1,017	(2.083)	6.042	1.214	1.681
H2.00	219	H2.00 - 24 3/4	1,207	(1.177)	6.177	1.286	1.829
S0.5	220	S0.5 - 24 3/4	1,231	(1.184)	6.007	1.326	1.854
GM2.5	219	GM2.5 - 24 3/4	1,237	(1.183)	6.140	1.318	1.857
L1.5	229	L1.5 - 25 2/3	1,516	(2.069)	6.899	1.454	2.029
R1	31	R1 - 23 2/3	1,530	(0.093)	6.278	1.378	2.035
S0	220	S0 - 24 3/4	1,816	(1.184)	6.907	1.581	2.224
GM2.0	219	GM2.0 - 24 3/4	1,955	(1.174)	7.435	1.615	2.326
H1.50	219	H1.50 - 24 3/4	2,092	(1.140)	7.704	1.651	2.416
L1	37	L1 - 25 1/12	2,161	(1.530)	7.578	1.679	2.454
R0.5	31	R0.5 - 23 2/3	2,397	(0.089)	7.543	1.734	2.600
S-.5	37	S-.5 - 23 2/3	2,556	(0.087)	7.630	1.788	2.714
GM1.5	36	GM1.5 - 25 1/12	2,662	(1.444)	8.588	1.900	2.784
L0.5	37	L0.5 - 25 1/12	2,731	(1.447)	8.537	1.916	2.837
H1.00	36	H1.00 - 25 1/12	3,028	(1.388)	9.248	2.086	3.081
GM1.0	36	GM1.0 - 25 1/12	3,170	(1.334)	9.431	2.142	3.197
L0	43	L0 - 25 1/12	3,279	(1.364)	9.510	2.198	3.295
O1	20	O1 - 23 2/3	3,290	(0.085)	8.831	2.185	3.304
O2	45	O2 - 25 1/12	3,617	(0.975)	10.252	2.359	3.639
H0.50	44	H0.50 - 25 1/12	3,701	(1.150)	10.351	2.440	3.716
O3	12	O3 - 30 1/12	4,297	(2.429)	13.317	3.509	5.188
O4	17	O4 - 44 2/3	4,421	(6.297)	15.769	4.754	6.028

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G394.20-Shop Equipment

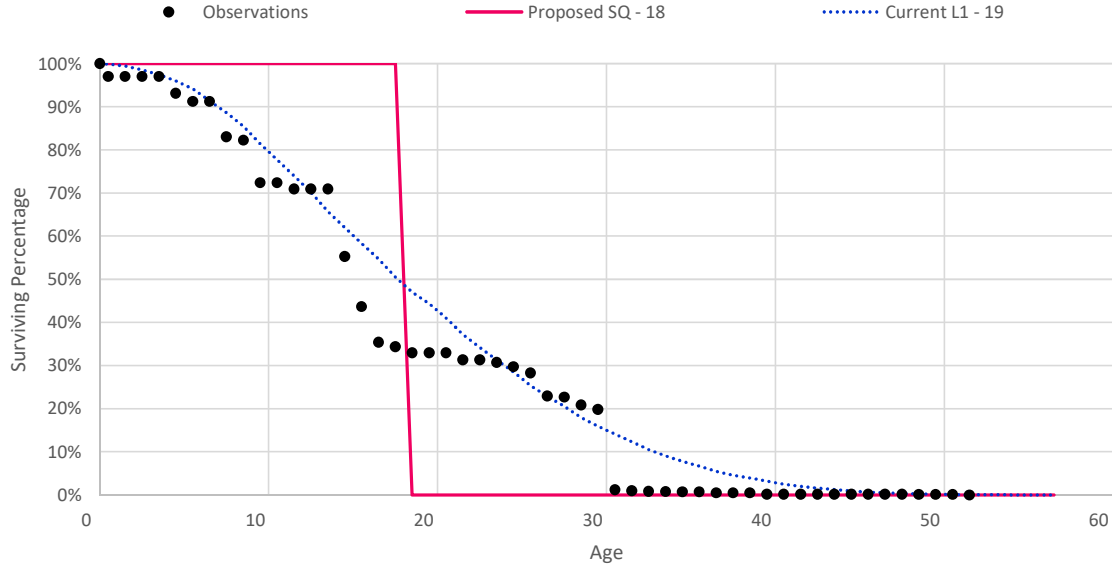


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S-.5	30	S-.5 - 19 2/3	1	(0.056)	1.801	0.143	0.230
S0	30	S0 - 20 1/12	6	(0.464)	1.691	0.119	0.247
R0.5	30	R0.5 - 19 2/3	9	(0.053)	1.921	0.144	0.258
GM2.0	29	GM2.0 - 20 1/12	14	(0.465)	2.006	0.146	0.264
L1	30	L1 - 20 2/3	18	(1.061)	2.145	0.178	0.266
H1.50	29	H1.50 - 20 1/12	28	(0.464)	2.188	0.163	0.275
L0.5	30	L0.5 - 20 2/3	36	(1.063)	2.518	0.229	0.291
GM1.5	29	GM1.5 - 20 2/3	44	(1.063)	2.572	0.229	0.298
O1	15	O1 - 19 1/2	70	0.109	2.221	0.229	0.342
R1	30	R1 - 20 1/12	77	(0.473)	1.963	0.137	0.353
H1.00	29	H1.00 - 20 2/3	79	(1.064)	2.910	0.282	0.358
L1.5	30	L1.5 - 20 1/12	97	(0.451)	2.124	0.169	0.385
S0.5	31	S0.5 - 20 1/12	99	(0.461)	1.807	0.139	0.387
GM1.0	29	GM1.0 - 20 2/3	104	(1.064)	3.127	0.306	0.390
GM2.5	29	GM2.5 - 20 1/12	109	(0.461)	1.910	0.146	0.395
L0	30	L0 - 20 2/3	114	(1.064)	3.141	0.317	0.403
H2.00	29	H2.00 - 20 1/12	125	(0.459)	2.017	0.156	0.417
H0.50	29	H0.50 - 20 2/3	191	(1.061)	3.976	0.426	0.580
R1.5	31	R1.5 - 20 1/12	194	(0.467)	2.073	0.185	0.591
O2	30	O2 - 21 1/4	195	(1.548)	4.188	0.459	0.593
GM3.0	29	GM3.0 - 20 1/12	201	(0.460)	2.054	0.190	0.603
L2	30	L2 - 20 1/12	205	(0.443)	2.407	0.217	0.609
S1	30	S1 - 20 1/12	219	(0.457)	2.109	0.196	0.627
H2.50	29	H2.50 - 20 1/12	272	(0.453)	2.369	0.247	0.803
L2.5	29	L2.5 - 20 1/12	298	(0.437)	2.797	0.309	0.977
R2	27	R2 - 20 2/3	315	(1.062)	2.541	0.299	1.029
GM3.5	26	GM3.5 - 20 2/3	317	(1.060)	2.581	0.301	1.033

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S1.5	27	S1.5 - 20 2/3	319	(1.056)	2.680	0.305	1.038
H3.00	26	H3.00 - 20 2/3	371	(1.055)	3.034	0.406	1.405
L3	30	L3 - 20 1/12	380	(0.429)	3.237	0.444	1.484
S2	27	S2 - 20 2/3	383	(1.055)	3.117	0.434	1.504
R2.5	27	R2.5 - 20 2/3	401	(1.061)	3.066	0.449	1.559
GM4.0	26	GM4.0 - 20 5/6	407	(1.209)	3.083	0.451	1.571
O3	30	O3 - 24 1/3	420	(3.953)	8.284	1.245	1.631
S2.5	26	S2.5 - 20 5/6	468	(1.201)	3.574	0.583	2.033
L3.5	33	L3.5 - 20 1/12	479	(0.425)	3.745	0.634	2.159
R3	27	R3 - 20 5/6	487	(1.210)	3.670	0.644	2.230
GM4.5	29	GM4.5 - 20 5/6	508	(1.211)	3.775	0.679	2.345
H4.00	26	H4.00 - 20 5/6	538	(1.200)	4.018	0.753	2.630
S3	30	S3 - 20 5/6	542	(1.200)	4.035	0.760	2.654
O4	18	O4 - 29	559	(6.390)	11.345	2.182	2.747
R3.5	26	R3.5 - 20 5/6	580	(1.210)	4.254	0.841	2.899
L4	34	L4 - 20 1/12	593	(0.421)	4.328	0.879	3.019
GM5.0	26	GM5.0 - 20 5/6	624	(1.213)	4.610	0.992	3.400
S3.5	28	S3.5 - 19 3/4	627	(0.156)	4.630	1.014	3.420
R4	27	R4 - 20 5/6	660	(1.210)	4.849	1.072	3.680
H5.00	28	H5.00 - 19 3/4	663	(0.158)	4.802	1.090	3.684
S4	26	S4 - 19 3/4	710	(0.163)	5.176	1.267	4.295
L5	28	L5 - 19 5/6	736	(0.180)	5.434	1.363	4.660
R5	28	R5 - 19 5/6	771	(0.193)	5.851	1.586	5.371
S5	12	S5 - 19 2/3	794	(0.004)	6.055	1.710	5.818
GM5.5	210	GM5.5 - 19 7/12	796	0.007	6.195	1.781	5.989
S6	202	S6 - 19 2/3	914	0.022	6.709	2.078	7.072
SQ	205	SQ - 19 2/3	1,043	(0.391)	8.018	2.897	9.611

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G395.00-Laboratory Equipment

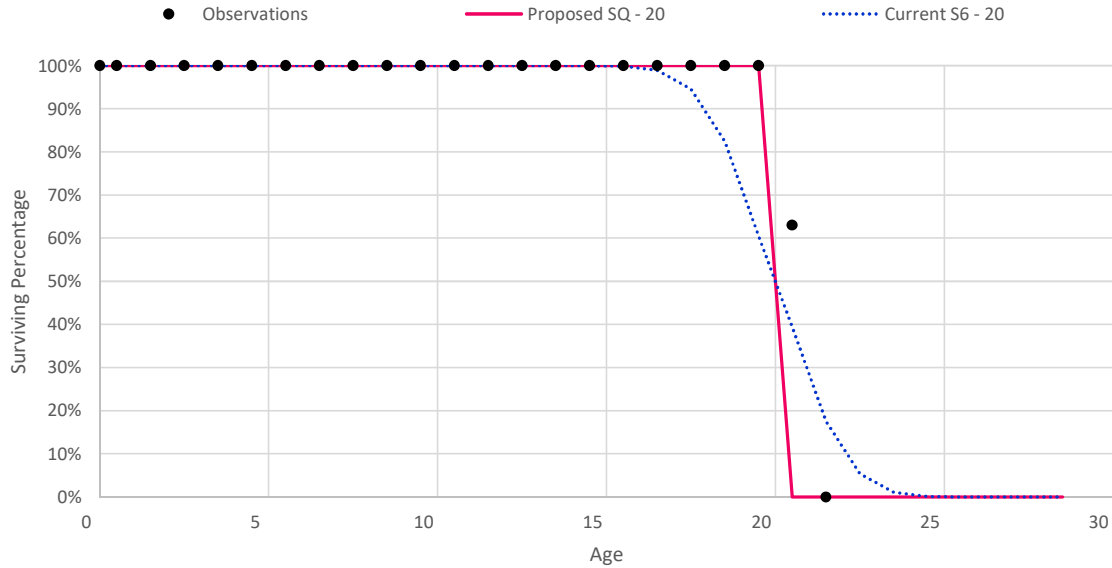


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L0.5	31	L0.5 - 17 7/12	1	(0.507)	2.027	0.140	0.351
GM1.5	29	GM1.5 - 17 7/12	5	(0.508)	2.103	0.146	0.367
L1	31	L1 - 17 7/12	9	(0.504)	1.923	0.135	0.372
H1.00	29	H1.00 - 17 7/12	17	(0.510)	2.333	0.166	0.395
GM1.0	29	GM1.0 - 17 7/12	22	(0.510)	2.429	0.174	0.402
L0	30	L0 - 17 7/12	26	(0.508)	2.420	0.177	0.407
H1.50	29	H1.50 - 17 7/12	34	(0.507)	1.977	0.151	0.420
S-.5	226	S-.5 - 16 11/12	45	0.162	1.838	0.146	0.435
GM2.0	29	GM2.0 - 17 7/12	71	(0.507)	1.927	0.161	0.465
O1	226	O1 - 16 11/12	74	0.162	2.024	0.166	0.466
L1.5	30	L1.5 - 17 7/12	75	(0.499)	2.145	0.162	0.466
R0.5	226	R0.5 - 16 11/12	121	0.158	1.975	0.173	0.512
H0.50	29	H0.50 - 17 7/12	130	(0.513)	2.969	0.238	0.519
S0	34	S0 - 17 1/6	159	(0.059)	1.905	0.178	0.542
O2	30	O2 - 18	172	(0.842)	3.241	0.271	0.547
H2.00	29	H2.00 - 17 7/12	238	(0.504)	2.208	0.217	0.658
L2	30	L2 - 17 7/12	244	(0.494)	2.459	0.223	0.665
GM2.5	29	GM2.5 - 17 7/12	257	(0.504)	2.203	0.226	0.688
S0.5	30	S0.5 - 17 7/12	275	(0.502)	2.267	0.235	0.718
R1	226	R1 - 16 11/12	306	0.155	2.173	0.249	0.758
GM3.0	29	GM3.0 - 17 7/12	453	(0.505)	2.630	0.317	0.976
L2.5	23	L2.5 - 17 5/12	461	(0.342)	2.838	0.322	0.987
S1	30	S1 - 17 7/12	464	(0.502)	2.727	0.323	0.991
R1.5	228	R1.5 - 16 11/12	493	0.157	2.587	0.341	1.045
H2.50	23	H2.50 - 17 5/12	532	(0.351)	2.832	0.353	1.090
O3	30	O3 - 20 1/2	644	(3.138)	6.447	0.799	1.290
S1.5	24	S1.5 - 17 1/6	662	(0.061)	3.190	0.433	1.325

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Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L3	30	L3 - 16 5/6	695	0.267	3.262	0.456	1.404
GM3.5	23	GM3.5 - 17 7/12	711	(0.507)	3.258	0.463	1.435
R2	26	R2 - 17 1/6	734	(0.068)	3.212	0.478	1.478
H3.00	23	H3.00 - 17 5/12	782	(0.353)	3.535	0.521	1.618
S2	24	S2 - 17 1/6	825	(0.062)	3.701	0.567	1.745
R2.5	36	R2.5 - 16 7/12	867	0.491	3.686	0.611	1.882
L3.5	31	L3.5 - 16 5/6	904	0.265	3.894	0.629	1.964
GM4.0	25	GM4.0 - 17 5/12	915	(0.360)	3.879	0.643	2.001
S2.5	35	S2.5 - 16 5/6	953	0.248	4.053	0.682	2.108
O4	30	O4 - 24 7/12	1,019	(6.237)	10.090	1.653	2.324
R3	36	R3 - 16 1/6	1,048	0.898	4.204	0.789	2.424
H4.00	31	H4.00 - 16 5/6	1,081	0.248	4.432	0.807	2.519
GM4.5	37	GM4.5 - 16 1/6	1,087	0.897	4.298	0.822	2.527
S3	36	S3 - 16 7/12	1,106	0.500	4.424	0.825	2.559
L4	29	L4 - 16 5/12	1,163	0.661	4.535	0.856	2.678
R3.5	229	R3.5 - 15 3/4	1,199	1.332	4.541	0.918	2.813
S3.5	28	S3.5 - 16 5/12	1,293	0.651	4.848	0.974	3.050
GM5.0	39	GM5.0 - 15 5/12	1,323	1.652	4.775	1.024	3.135
H5.00	28	H5.00 - 16 5/12	1,362	0.651	4.983	1.026	3.225
R4	29	R4 - 15 1/4	1,380	1.813	4.900	1.076	3.287
S4	29	S4 - 15 1/4	1,468	1.820	5.103	1.166	3.599
L5	29	L5 - 15 1/4	1,510	1.827	5.264	1.207	3.752
R5	219	R5 - 15 1/6	1,599	1.905	5.603	1.346	4.187
S5	227	S5 - 15 1/6	1,659	1.913	5.718	1.402	4.397
GM5.5	33	GM5.5 - 15	1,704	2.037	5.870	1.452	4.536
S6	202	S6 - 17 1/6	1,996	(0.056)	6.623	1.831	5.978
SQ	205	SQ - 14	2,185	3.076	7.328	2.227	7.303

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Summary Results of Life Analysis
G396.00-Power Operated Eq.

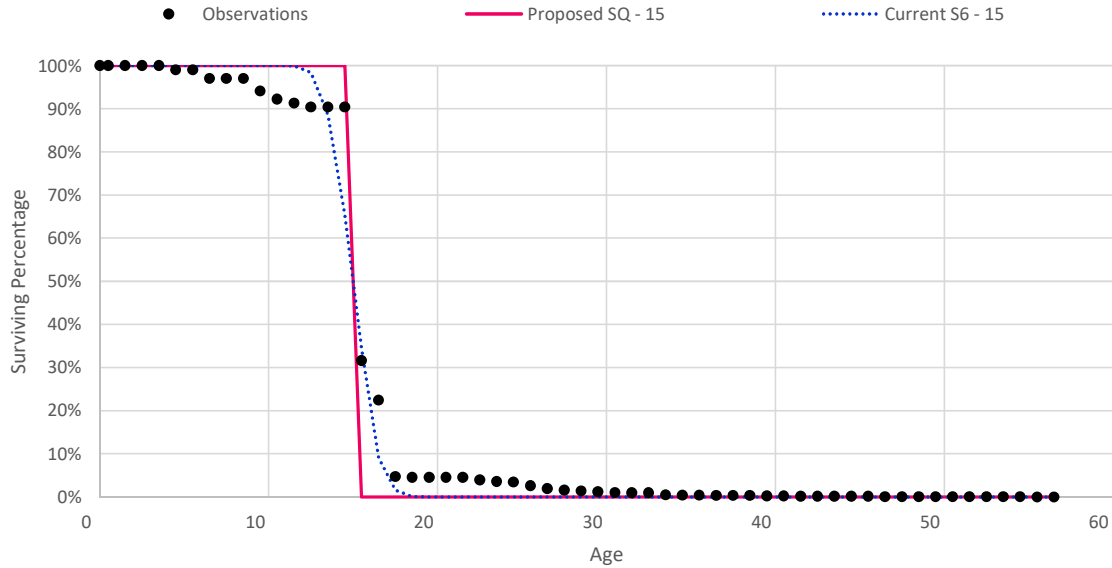


Survivor	Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
			Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S6	S6	203	S6 - 20 2/3	1	0.157	0.846	0.209	0.334
S5	S5	232	S5 - 21 2/3	2	(0.127)	0.933	0.308	0.368
GM5.5	GM5.5	27	GM5.5 - 20 5/6	8	0.205	1.129	0.309	0.406
L5	L5	30	L5 - 21 11/12	14	0.090	1.109	0.341	0.433
R5	R5	224	R5 - 21 2/3	25	(0.017)	1.142	0.368	0.453
SQ	SQ	206	SQ - 20 2/3	78	(0.367)	0.367	0.135	0.538
S4	S4	15	S4 - 22 1/3	83	0.061	1.280	0.432	0.546
H5.00	H5.00	14	H5.00 - 22 1/3	108	0.279	1.448	0.463	0.613
L4	L4	12	L4 - 22 1/3	118	0.505	1.545	0.456	0.643
S3.5	S3.5	11	S3.5 - 22 1/3	121	0.380	1.528	0.480	0.649
R4	R4	24	R4 - 22 1/3	134	0.320	1.673	0.529	0.691
H4.00	H4.00	23	H4.00 - 22 1/3	153	0.720	1.816	0.545	0.790
S3	S3	12	S3 - 22 1/3	157	0.698	1.793	0.547	0.795
L3.5	L3.5	49	L3.5 - 22 1/3	175	0.957	1.953	0.552	0.860
S2.5	S2.5	49	S2.5 - 22 1/3	189	1.008	2.091	0.615	0.938
L1	L1	9	L1 - 43 7/12	208	0.006	2.051	0.808	1.024
S0	S0	9	S0 - 43 7/12	223	0.093	2.162	0.834	1.067
L1.5	L1.5	9	L1.5 - 43 7/12	226	(0.391)	1.817	0.850	1.073
L0.5	L0.5	9	L0.5 - 43 7/12	232	0.529	2.432	0.819	1.075
S0.5	S0.5	9	S0.5 - 43 7/12	236	(0.285)	1.911	0.855	1.083
GM2.5	GM2.5	8	GM2.5 - 43 7/12	239	(0.154)	2.020	0.856	1.088
H2.00	H2.00	8	H2.00 - 43 7/12	247	(0.133)	2.048	0.860	1.096
GM2.0	GM2.0	8	GM2.0 - 43 7/12	250	0.378	2.396	0.845	1.099
H1.50	H1.50	8	H1.50 - 43 7/12	253	0.470	2.461	0.846	1.107
GM3.0	GM3.0	8	GM3.0 - 43 7/12	262	(0.426)	1.845	0.882	1.122
L0	L0	9	L0 - 64 5/6	263	0.041	2.198	0.870	1.123
GM1.5	GM1.5	8	GM1.5 - 43 7/12	268	0.715	2.610	0.845	1.128

San Diego Gas & Electric Company
2019 GRC - APP

Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R1.5	9	R1.5 - 43 7/12	269	(0.030)	2.164	0.880	1.130
R1	9	R1 - 43 7/12	275	0.377	2.444	0.869	1.135
S1	9	S1 - 43 7/12	280	(0.663)	1.659	0.894	1.137
GM1.0	8	GM1.0 - 64 5/6	285	0.194	2.340	0.883	1.148
S-.5	9	S-.5 - 43 7/12	288	0.739	2.656	0.860	1.151
H1.00	8	H1.00 - 64 5/6	297	0.180	2.338	0.887	1.154
H0.50	14	H0.50 - 75 1/2	313	0.301	2.430	0.892	1.164
R2	9	R2 - 43 7/12	316	(0.438)	1.884	0.910	1.165
L2	9	L2 - 43 7/12	319	(0.788)	1.584	0.914	1.169
H2.50	8	H2.50 - 43 7/12	321	(0.625)	1.730	0.914	1.170
R0.5	9	R0.5 - 64 5/6	329	0.091	2.298	0.902	1.172
O2	15	O2 - 75 1/2	330	0.382	2.491	0.894	1.172
O1	24	O1 - 70 2/3	333	0.310	2.448	0.898	1.172
GM3.5	8	GM3.5 - 43 7/12	358	(0.672)	1.698	0.921	1.181
R3	9	R3 - 20 2/3	382	1.590	2.596	0.717	1.197
O3	24	O3 - 85 1/3	405	0.879	2.811	0.894	1.212
S1.5	9	S1.5 - 43 7/12	415	(0.889)	1.541	0.945	1.219
R2.5	9	R2.5 - 43 7/12	435	(0.720)	1.706	0.951	1.229
GM4.0	8	GM4.0 - 43 7/12	451	(0.834)	1.617	0.961	1.244
L2.5	8	L2.5 - 43 7/12	478	(0.981)	1.497	0.970	1.262
H3.00	8	H3.00 - 43 7/12	497	(0.963)	1.530	0.981	1.277
S2	9	S2 - 43 7/12	553	(1.116)	1.423	1.005	1.319
GM4.5	8	GM4.5 - 43 7/12	564	(1.032)	1.508	1.009	1.325
L3	9	L3 - 43 7/12	603	(1.175)	1.410	1.034	1.368
R3.5	8	R3.5 - 43 7/12	624	(1.139)	1.458	1.043	1.382
GM5.0	8	GM5.0 - 43 7/12	662	(1.173)	1.445	1.057	1.405
O4	24	O4 - 85 1/3	668	1.632	3.310	0.959	1.407

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G397.00-Communication Equip.

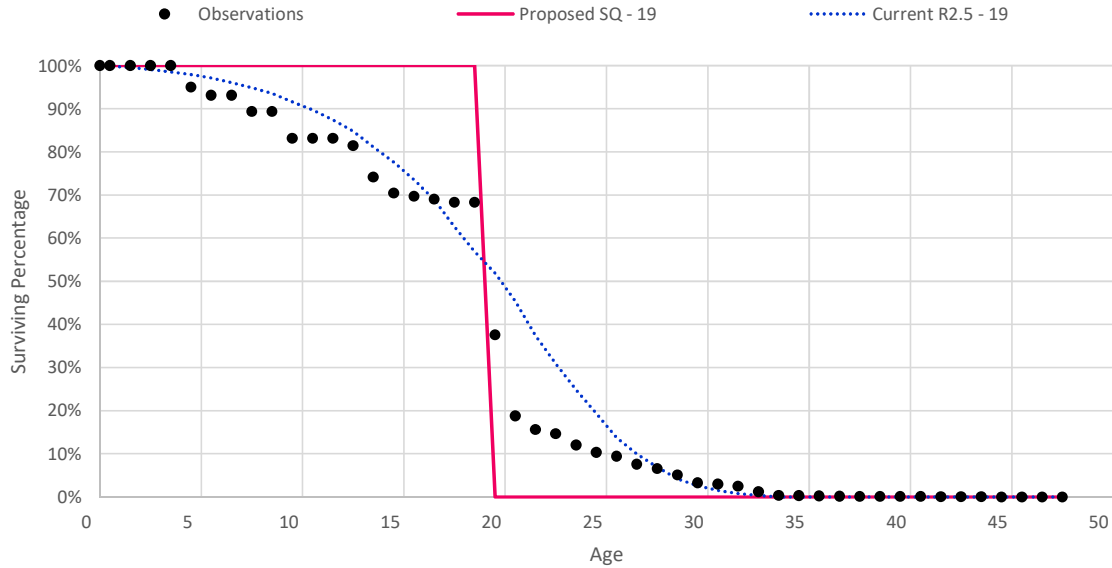


Survivor	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S6	203	S6 - 15 5/12	1	(0.043)	1.328	0.106	0.235
GM5.5	26	GM5.5 - 14 3/4	3	0.616	1.260	0.127	0.250
S5	29	S5 - 15 5/12	5	(0.036)	1.389	0.136	0.290
R5	27	R5 - 14 3/4	7	0.616	1.311	0.163	0.318
L5	27	L5 - 15 7/12	8	(0.200)	1.445	0.159	0.319
S4	27	S4 - 15 5/12	24	(0.032)	1.639	0.214	0.430
R4	27	R4 - 14 3/4	26	0.608	1.539	0.221	0.439
GM5.0	26	GM5.0 - 14 7/12	38	0.768	1.625	0.246	0.484
L4	223	L4 - 15 2/3	41	(0.294)	1.766	0.271	0.497
H5.00	26	H5.00 - 15 7/12	45	(0.211)	1.746	0.257	0.503
S3.5	26	S3.5 - 15 7/12	60	(0.212)	1.792	0.276	0.533
R3.5	23	R3.5 - 14 3/4	64	0.607	1.763	0.276	0.540
SQ	205	SQ - 15	73	0.362	1.688	0.216	0.564
L3.5	222	L3.5 - 15 2/3	89	(0.293)	2.059	0.368	0.650
S3	27	S3 - 15 5/12	91	(0.030)	1.995	0.349	0.651
H4.00	26	H4.00 - 15 7/12	92	(0.214)	1.984	0.351	0.651
GM4.5	26	GM4.5 - 14 7/12	103	0.766	2.068	0.348	0.666
R3	25	R3 - 14 7/12	113	0.767	2.099	0.354	0.675
S2.5	26	S2.5 - 14 3/4	152	0.611	2.148	0.411	0.771
R2.5	24	R2.5 - 14 7/12	182	0.767	2.532	0.450	0.841
GM4.0	23	GM4.0 - 14 7/12	188	0.767	2.512	0.459	0.857
L3	29	L3 - 15 5/6	190	(0.461)	2.616	0.510	0.860
S2	27	S2 - 15 5/12	211	(0.031)	2.570	0.510	0.904
H3.00	26	H3.00 - 14 3/4	220	0.611	2.515	0.500	0.922
GM3.5	23	GM3.5 - 14 7/12	252	0.769	2.915	0.578	1.055
R2	27	R2 - 14 7/12	254	0.767	3.037	0.581	1.057
S1.5	27	S1.5 - 15 5/12	260	(0.032)	2.984	0.613	1.064

San Diego Gas & Electric Company
2019 GRC - APP

Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
L2.5	26	L2.5 - 16 1/2	265	(1.138)	3.340	0.674	1.069
H2.50	26	H2.50 - 15 7/12	300	(0.218)	3.312	0.678	1.152
S1	24	S1 - 14 3/4	330	0.610	3.306	0.708	1.262
GM3.0	23	GM3.0 - 14 3/4	338	0.609	3.403	0.714	1.272
R1.5	27	R1.5 - 14 7/12	342	0.768	3.566	0.728	1.298
L2	27	L2 - 16 1/2	349	(1.138)	3.978	0.837	1.312
H2.00	26	H2.00 - 15 7/12	383	(0.220)	4.148	0.881	1.466
S0.5	24	S0.5 - 14 3/4	385	0.610	3.826	0.840	1.473
GM2.5	23	GM2.5 - 14 3/4	394	0.609	3.868	0.841	1.481
L1.5	27	L1.5 - 16 1/2	415	(1.139)	4.652	1.002	1.560
R1	27	R1 - 14 7/12	430	0.768	4.179	0.913	1.595
S0	24	S0 - 14 3/4	468	0.610	4.371	0.999	1.727
GM2.0	23	GM2.0 - 14 3/4	491	0.608	4.614	1.044	1.815
L1	27	L1 - 15 3/4	506	(0.386)	5.036	1.139	1.864
H1.50	26	H1.50 - 15 7/12	508	(0.221)	5.118	1.132	1.866
R0.5	27	R0.5 - 14 7/12	558	0.769	4.961	1.156	1.987
S-.5	24	S-.5 - 14 7/12	578	0.771	5.037	1.202	2.062
GM1.5	26	GM1.5 - 15 3/4	587	(0.388)	5.716	1.290	2.106
L0.5	27	L0.5 - 16 1/2	593	(1.139)	6.026	1.365	2.127
H1.00	26	H1.00 - 15 3/4	645	(0.390)	6.173	1.418	2.312
GM1.0	26	GM1.0 - 15 3/4	667	(0.390)	6.332	1.460	2.387
L0	27	L0 - 16 1/2	681	(1.136)	6.725	1.561	2.440
O1	24	O1 - 14 7/12	690	0.771	5.773	1.458	2.465
O2	27	O2 - 16 1/2	726	(1.063)	7.408	1.681	2.678
H0.50	26	H0.50 - 16 1/2	740	(1.135)	7.425	1.732	2.727
O3	27	O3 - 16 1/2	838	(0.907)	9.673	2.435	4.061
O4	27	O4 - 16 1/2	916	(1.007)	11.665	3.275	5.555

SAN DIEGO GAS & ELECTRIC COMPANY
Summary Results of Life Analysis
G398.00-Misc. Equipment



Survivor	Best Fit Curve by Type			Variance from Observation(s)			
	Curve Type	Trials	Rank	Direct	Absolute	Squared	Wtd.Sqr.
R2.5	30	R2.5 - 18 1/6	1	(0.576)	1.550	0.145	0.289
GM4.0	28	GM4.0 - 18 1/6	6	(0.576)	1.645	0.155	0.309
R3	29	R3 - 18 1/6	9	(0.578)	1.761	0.147	0.324
R2	29	R2 - 18 1/6	11	(0.575)	1.587	0.184	0.327
GM4.5	28	GM4.5 - 18 1/6	17	(0.578)	1.821	0.155	0.334
GM3.5	26	GM3.5 - 18 1/12	31	(0.471)	1.579	0.175	0.366
R3.5	28	R3.5 - 18 1/6	36	(0.579)	1.891	0.161	0.384
H3.00	34	H3.00 - 18 1/2	40	(0.885)	1.718	0.179	0.388
S2	35	S2 - 18 1/2	55	(0.885)	1.835	0.190	0.408
S1.5	35	S1.5 - 18 1/2	60	(0.885)	1.814	0.206	0.411
R1.5	29	R1.5 - 18 1/6	67	(0.573)	1.944	0.248	0.418
H2.50	38	H2.50 - 18 1/3	73	(0.730)	1.844	0.202	0.421
GM5.0	216	GM5.0 - 18	100	(0.388)	2.066	0.184	0.437
S2.5	32	S2.5 - 18 7/12	101	(0.961)	1.916	0.191	0.437
GM3.0	28	GM3.0 - 18 3/4	131	(1.166)	2.159	0.287	0.460
S1	35	S1 - 18 1/2	145	(0.885)	2.044	0.254	0.470
R4	29	R4 - 18 1/6	172	(0.580)	2.171	0.204	0.498
H4.00	30	H4.00 - 18 2/3	177	(1.044)	2.047	0.209	0.502
L3.5	28	L3.5 - 19 1/12	197	(1.468)	2.083	0.217	0.519
S3	29	S3 - 18 3/4	198	(1.162)	2.145	0.223	0.520
L2.5	28	L2.5 - 19 2/3	216	(2.046)	2.808	0.318	0.531
L3	29	L3 - 19 1/12	217	(1.464)	2.339	0.241	0.533
S0.5	35	S0.5 - 18 1/2	251	(0.885)	2.435	0.323	0.565
GM2.5	38	GM2.5 - 18 1/3	253	(0.730)	2.470	0.303	0.566
H2.00	28	H2.00 - 19 1/12	257	(1.472)	2.818	0.374	0.569
R1	30	R1 - 18 1/6	292	(0.573)	2.715	0.360	0.588
L2	29	L2 - 19 2/3	322	(2.048)	3.075	0.388	0.619

San Diego Gas & Electric Company
2019 GRC - APP

Survivor Curve Type	Trials	Best Fit Curve by Type		Variance from Observation(s)			
		Curve	Rank	Direct	Absolute	Squared	Wtd.Sqr.
S3.5	28	S3.5 - 18 1/12	329	(0.473)	2.181	0.231	0.631
L4	223	L4 - 18 11/12	339	(1.294)	2.115	0.239	0.640
H5.00	28	H5.00 - 18 1/12	381	(0.474)	2.278	0.249	0.682
L1.5	29	L1.5 - 19 2/3	402	(2.051)	3.451	0.472	0.722
S0	29	S0 - 18 3/4	403	(1.164)	3.133	0.463	0.725
GM2.0	28	GM2.0 - 19 1/12	444	(1.472)	3.711	0.520	0.791
S4	29	S4 - 18 1/12	459	(0.476)	2.477	0.299	0.816
H1.50	28	H1.50 - 19 1/12	481	(1.470)	3.970	0.536	0.851
R0.5	29	R0.5 - 18 1/6	499	(0.570)	3.738	0.529	0.884
L1	29	L1 - 19 2/3	510	(2.054)	4.062	0.595	0.901
S-.5	27	S-.5 - 18 5/6	557	(1.218)	4.113	0.643	0.977
R5	24	R5 - 18 1/12	570	(0.485)	2.844	0.372	0.994
L5	24	L5 - 18 1/12	595	(0.470)	2.653	0.359	1.051
GM1.5	28	GM1.5 - 19 2/3	604	(2.045)	4.873	0.712	1.065
L0.5	29	L0.5 - 19 2/3	630	(2.044)	4.850	0.714	1.106
H1.00	28	H1.00 - 19 2/3	682	(2.035)	5.434	0.815	1.236
S5	26	S5 - 18 1/12	701	(0.478)	3.110	0.453	1.283
O1	27	O1 - 18 1/12	705	(0.465)	4.722	0.760	1.309
GM1.0	28	GM1.0 - 19 2/3	707	(2.022)	5.624	0.842	1.315
L0	29	L0 - 19 2/3	743	(2.035)	5.686	0.869	1.378
O2	29	O2 - 19 2/3	803	(1.923)	6.482	0.965	1.607
H0.50	28	H0.50 - 19 2/3	814	(1.967)	6.465	1.013	1.653
S6	202	S6 - 17 2/3	913	(0.013)	3.901	0.748	2.245
O3	18	O3 - 28 1/12	1,018	(6.634)	10.796	2.482	2.977
SQ	205	SQ - 19	1,025	(1.385)	4.358	0.959	3.010
O4	18	O4 - 28 1/4	1,129	(5.030)	11.522	2.597	3.761
GM5.5	14	GM5.5 - 14 2/3	1,333	2.943	4.717	1.717	6.161

1 **V. EXPERIENCED SALVAGE AND COST OF REMOVAL**

2 This workpaper section provides the net salvage history utilized for the SDG&E
3 depreciation study. These tables show the adjusted salvage and costs of removal that were
4 experienced each year.

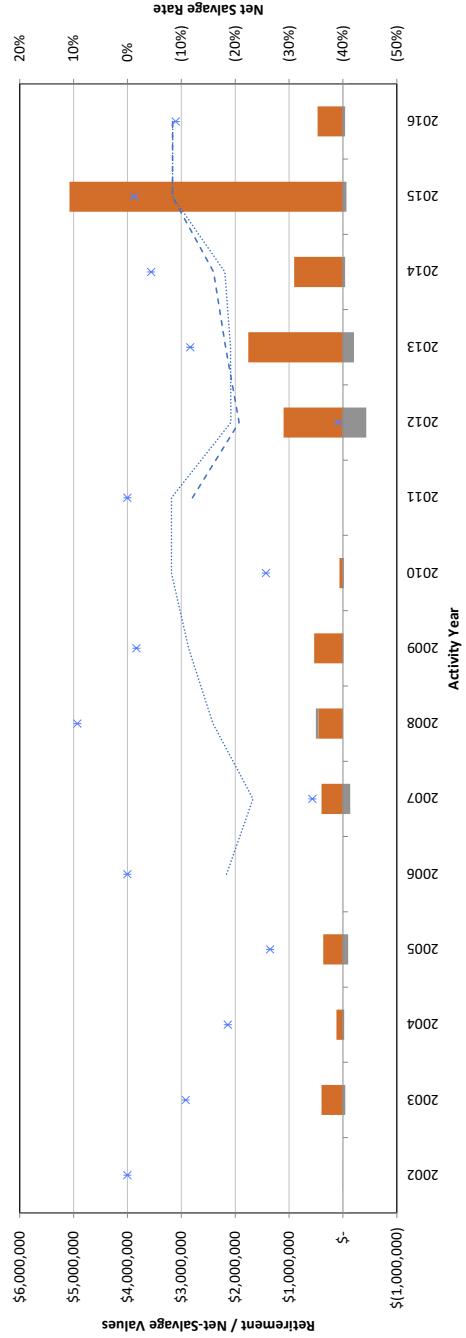
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6 Net Salvage Detail by Depreciation AccountMCV-WP-281

7 Conversion of S&L Decommissioning Estimate to Net Salvage RateMCV-WP-340

8

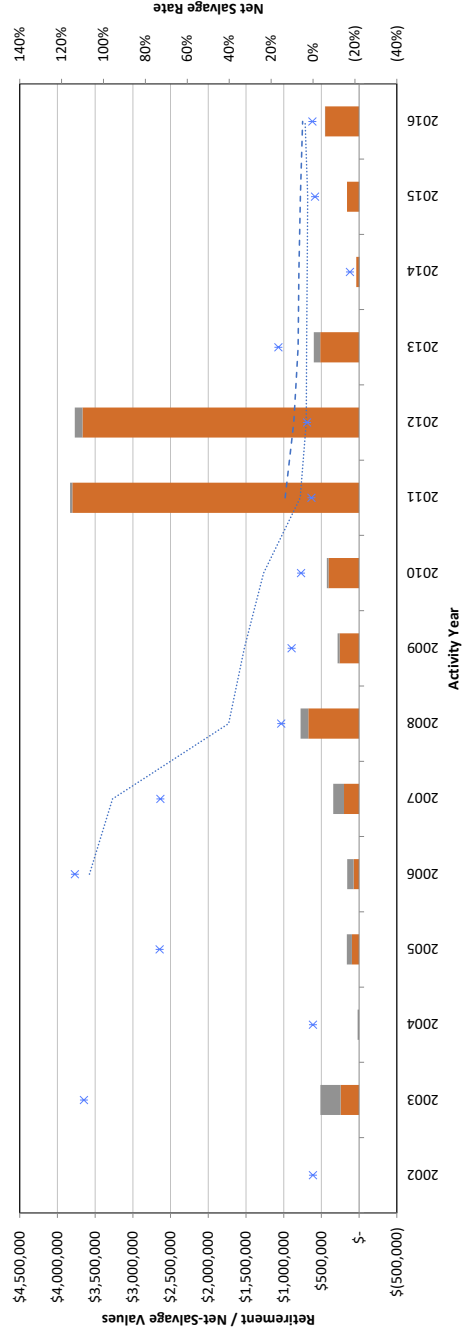
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C390.10-Struct & Imprv-Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 1.87	\$ -	\$ 1.87	\$ 60.00	\$ (154,416.05)	\$ 154,356.05	\$ -	-		
2003	398,507.96	-	398,507.96	50.00	(43,142.81)	-	(43,092.81)	(10.8135%)		
2004	122,027.05	-	122,027.05	500.00	(96,057.22)	72,795.11	(22,762.11)	(18.6533%)		
2005	367,318.67	-	367,318.67	2,700.00	(340,081.25)	240,054.05	(97,327.20)	(26.4967%)		
2006	-	-	-	-	(188,184.94)	188,184.94	-	-	(18.3794%)	
2007	395,802.00	-	395,802.00	-	52,247.00	(188,184.94)	(135,937.94)	(34.3449%)	(23.3022%)	
2008	458,514.00	-	458,514.00	100.00	42,453.00	-	42,553.00	9.2806%	(15.8875%)	
2009	535,160.00	-	535,160.00	1,000.00	(10,002.00)	-	(9,002.00)	(1.6821%)	(11.3681%)	
2010	63,219.00	-	63,219.00	1,000.00	(17,269.00)	-	(16,269.00)	(25.7344%)	(8.1680%)	
2011	-	-	-	-	(191,134.00)	191,134.00	-	-	(8.1680%)	(12.0415%)
2012	1,102,387.00	-	1,102,387.00	7,500.00	(248,160.00)	(191,134.00)	(431,794.00)	(39.1690%)	(19.1968%)	(20.7274%)
2013	1,757,296.20	-	1,757,296.20	-	(204,743.73)	-	(204,743.73)	(11.6511%)	(19.1381%)	(18.2285%)
2014	904,091.73	-	904,091.73	4,638.89	(44,439.90)	-	(39,801.01)	(4.4023%)	(18.0980%)	(15.9806%)
2015	5,075,756.03	-	5,075,756.03	2,000.00	(64,472.49)	-	(64,472.49)	(1.2702%)	(8.3807%)	(8.3506%)
2016	471,649.68	-	471,649.68	20.00	(42,250.38)	-	(42,230.38)	(8.9538%)	(8.4097%)	(8.3771%)
	\$ 11,651,731.19	\$ -	\$ 11,651,731.19	\$ 19,568.89	\$ (1,551,653.77)	\$ 467,205.21	\$ (1,064,879.67)	(9.1392%)		



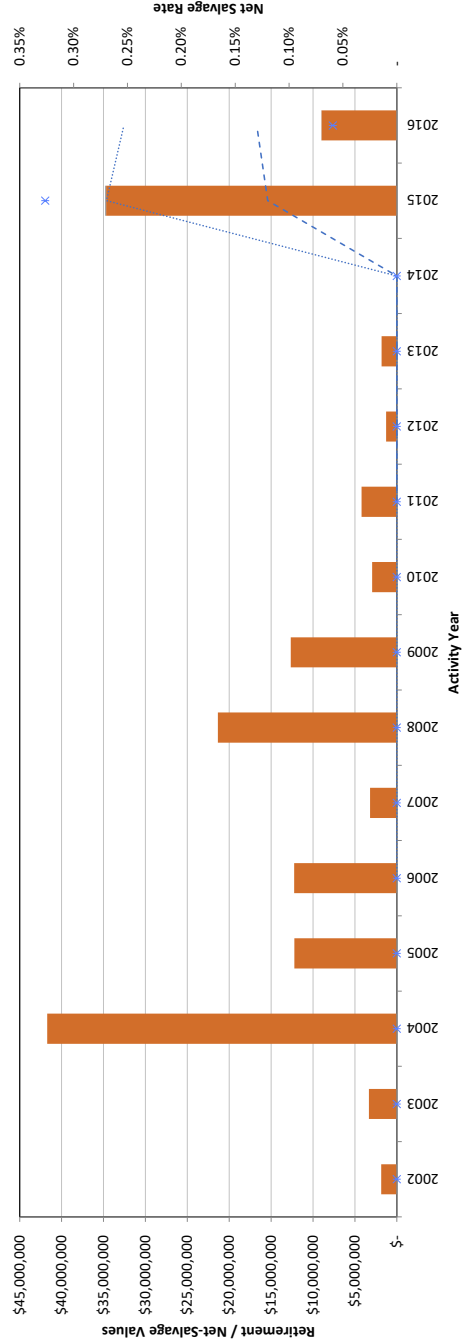
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C391.10-Offc Furn & Eq-Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Adjusted Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 16,155.00	\$ (16,155.00)	\$ -	\$ 25,567.37	\$ (418,594.85)	\$ 393,027.48	\$ -	-	-	-
2003	245,252.00	-	245,252.00	268,145.99	-	-	268,145.99	109.3349%	-	-
2004	-	-	-	28,877.50	(8,676.26)	-	20,201.24	-	-	-
2005	94,386.00	-	94,386.00	69,030.00	-	-	69,030.00	73.1358%	-	-
2006	73,732.00	-	73,732.00	83,790.50	-	-	83,790.50	113.6420%	106.7247%	-
2007	199,109.00	-	199,109.00	144,940.00	-	-	144,940.00	72.7943%	95.6943%	-
2008	674,170.00	-	674,170.00	101,840.00	-	-	101,840.00	15.1060%	40.3114%	-
2009	258,553.00	-	258,553.00	26,292.00	-	-	26,292.00	10.1689%	32.7622%	-
2010	405,235.00	-	405,235.00	23,053.00	-	-	23,053.00	5.6888%	23.5855%	-
2011	3,803,764.00	-	3,803,764.00	28,390.00	-	-	28,390.00	0.7464%	6.0761%	13.3065%
2012	3,667,613.00	-	3,667,613.00	102,384.00	-	-	102,384.00	2.7916%	3.2007%	9.2134%
2013	515,336.00	-	515,336.00	85,119.22	-	-	85,119.22	16.5172%	3.0662%	7.0682%
2014	37,308.48	-	37,308.48	2,265.78	(8,861.41)	-	(6,595.63)	(17.6786%)	2.7565%	6.7656%
2015	159,291.02	-	159,291.02	975.00	(2,614.86)	-	(1,639.86)	(1.0295%)	2.5376%	5.9992%
2016	450,151.41	-	450,151.41	4,500.00	(3,470.04)	-	1,029.96	0.2288%	3.7331%	4.9635%
	\$ 10,600,055.91	\$ (16,155.00)	\$ 10,583,900.91	\$ 995,170.36	\$ (442,217.42)	\$ 393,027.48	\$ 945,980.42	8.9379%	-	-



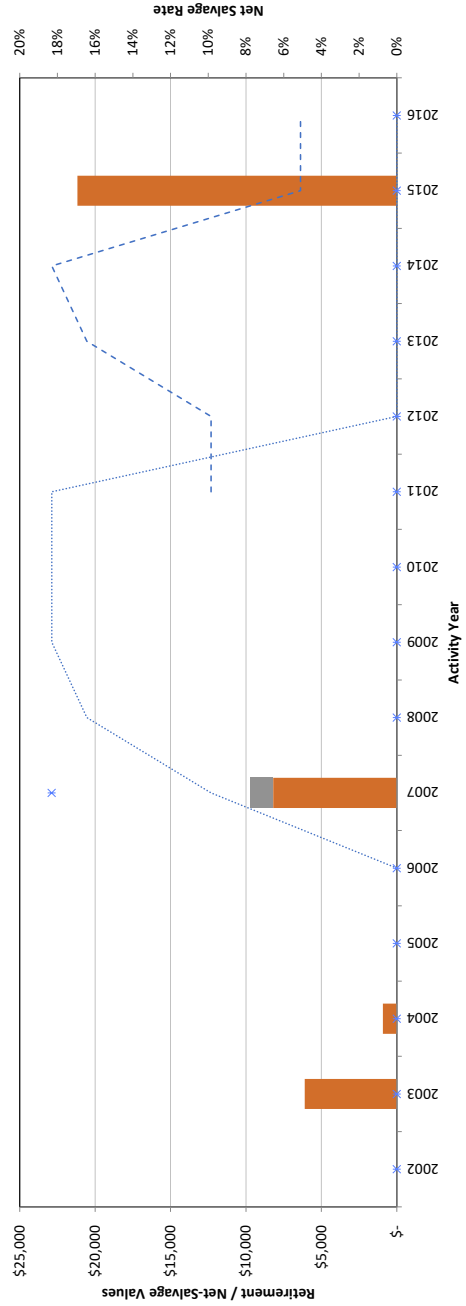
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C391.20-Offc Furn & Eq-Cmptr
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 1,855,992.00	\$ -	\$ 1,855,992.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	3,317,483.00	-	3,317,483.00	-	-	-	-	-	-	-
2004	41,717,253.00	-	41,717,253.00	-	-	-	-	-	-	-
2005	12,222,210.00	-	12,222,210.00	-	-	-	-	-	-	-
2006	12,241,793.00	-	12,241,793.00	-	-	-	-	-	-	-
2007	3,196,429.00	-	3,196,429.00	-	-	-	-	-	-	-
2008	21,346,023.00	-	21,346,023.00	-	-	-	-	-	-	-
2009	12,661,546.00	-	12,661,546.00	-	-	-	-	-	-	-
2010	2,950,519.00	-	2,950,519.00	-	-	-	-	-	-	-
2011	4,206,603.00	-	4,206,603.00	-	-	-	-	-	-	-
2012	1,282,086.00	-	1,282,086.00	-	-	-	-	-	-	-
2013	1,822,079.00	-	1,822,079.00	-	-	-	-	-	-	-
2014	28.63	-	28.63	107,433.91	-	(107,433.91)	-	-	-	-
2015	34,690,330.41	-	34,690,330.41	5,738.38	-	107,433.91	113,172.29	0.3262%	0.2695%	0.1195%
2016	8,974,995.82	-	8,974,995.82	5,329.65	-	-	5,329.65	0.0594%	0.2534%	0.1300%
	\$ 162,485,370.86	\$ -	\$ 162,485,370.86	\$ 118,501.94	\$ -	\$ -	\$ 118,501.94	0.0729%		



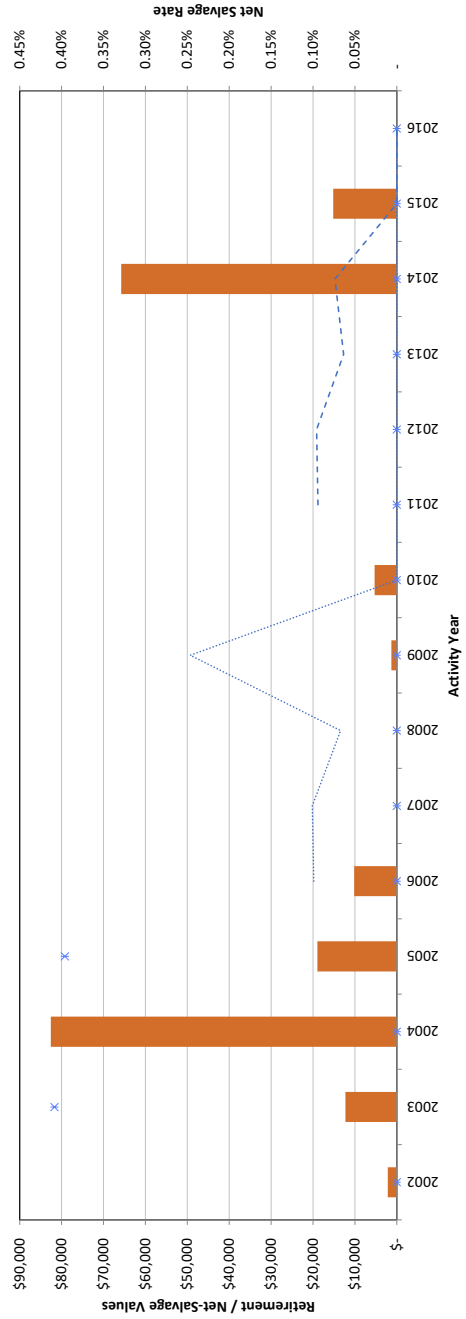
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C392.20-Transprtn Eq-Trailer
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	6,109.06	-	6,109.06	-	-	-	-	-	-	-
2004	927.07	-	927.07	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	1,500.00	-	(1,500.00)	-	-	-	-
2007	8,197.00	-	8,197.00	-	-	1,500.00	1,500.00	18.2994%	9.8470%	9.8470%
2008	-	-	-	-	-	-	-	-	16.4400%	16.4400%
2009	-	-	-	-	-	-	-	-	18.2994%	18.2994%
2010	-	-	-	-	-	-	-	-	18.2994%	18.2994%
2011	-	-	-	-	-	-	-	-	18.2994%	18.2994%
2012	-	-	-	-	-	-	-	-	-	9.8470%
2013	-	-	-	-	-	-	-	-	-	9.8470%
2014	-	-	-	-	-	-	-	-	-	16.4400%
2015	21,173.40	-	21,173.40	-	-	-	-	-	-	18.2994%
2016	-	-	-	-	-	-	1,500.00	4.1201%	-	5.1072%
	\$ 36,406.53	\$ -	\$ 36,406.53	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	4.1201%		



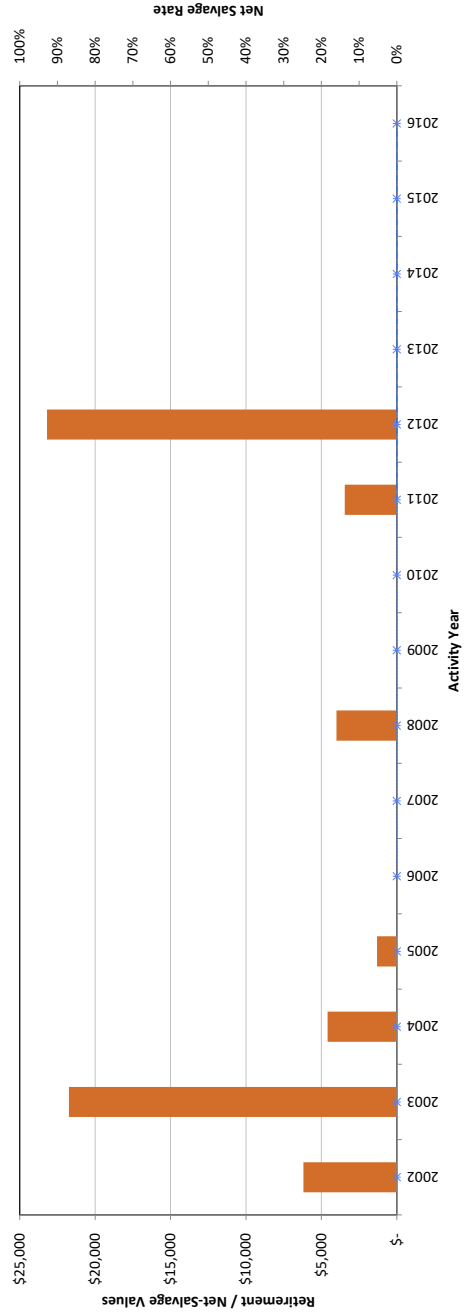
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C393.10- Stores Equip-Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 2,167.00	\$ -	\$ 2,167.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	12,239.00	-	12,239.00	50.00	-	-	50.00	0.4085%	-	-
2004	82,589.00	-	82,589.00	-	-	-	-	-	-	-
2005	18,934.00	-	18,934.00	75.00	-	-	75.00	0.3961%	-	-
2006	10,189.00	-	10,189.00	-	-	-	-	-	0.0991%	-
2007	-	-	-	-	-	-	-	-	0.1008%	-
2008	-	-	-	-	-	-	-	-	0.0671%	-
2009	1,307.00	-	1,307.00	-	-	-	-	-	0.2465%	-
2010	5,315.00	-	5,315.00	-	-	-	-	-	-	0.0942%
2011	-	-	-	-	-	-	-	-	-	0.0957%
2012	-	-	-	-	-	-	-	-	-	0.0634%
2013	-	-	-	-	-	-	-	-	-	0.0739%
2014	65,784.98	-	65,784.98	-	-	-	-	-	-	-
2015	15,170.25	-	15,170.25	-	-	-	-	-	-	-
2016	-	-	-	125.00	-	-	125.00	0.0585%	-	-
	\$ 213,695.23	\$ -	\$ 213,695.23	\$ 125.00	\$ -	\$ -	\$ 125.00	0.0585%	-	-



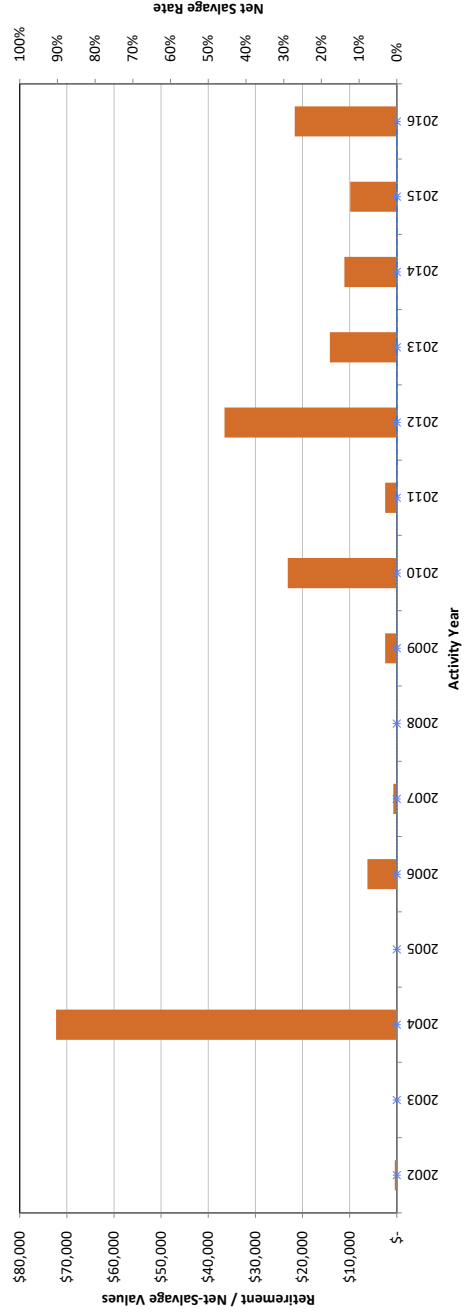
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C394.11-Portable Tools-Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 6,198.00	\$ -	\$ 6,198.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	21,744.00	-	21,744.00	-	-	\$ -	\$ -	-	-	-
2004	4,595.00	-	4,595.00	-	-	-	-	-	-	-
2005	1,305.00	-	1,305.00	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	4,003.00	-	4,003.00	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	3,449.00	-	3,449.00	-	-	-	-	-	-	-
2012	23,194.00	-	23,194.00	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
	\$ 64,488.00	\$ -	\$ 64,488.00	\$ -	\$ -	\$ -	\$ -	-	-	-



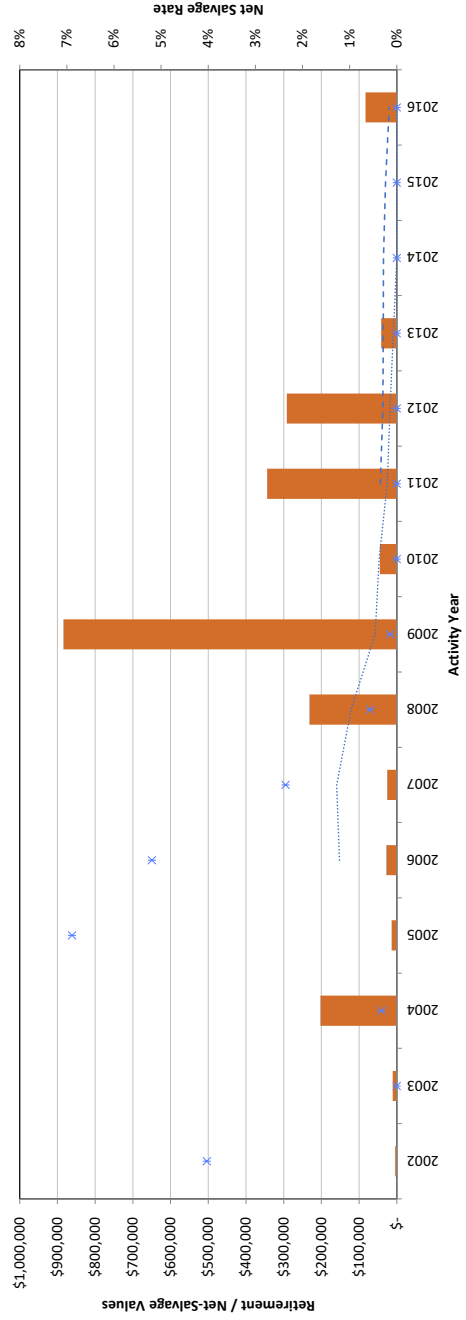
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C394.21-Shop Equip - Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)-(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 409.00	\$ -	\$ 409.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	\$ -	-	-	-
2004	72,297.00	-	72,297.00	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	6,230.00	-	6,230.00	-	-	-	-	-	-	-
2007	762.00	-	762.00	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	2,476.00	-	2,476.00	-	-	-	-	-	-	-
2010	23,153.00	-	23,153.00	-	-	-	-	-	-	-
2011	2,491.00	-	2,491.00	-	-	-	-	-	-	-
2012	36,545.00	-	36,545.00	-	-	-	-	-	-	-
2013	14,213.00	-	14,213.00	-	-	-	-	-	-	-
2014	11,128.21	-	11,128.21	-	-	-	-	-	-	-
2015	9,900.60	-	9,900.60	-	-	-	-	-	-	-
2016	21,661.76	-	21,661.76	-	-	-	-	-	-	-
	\$ 201,266.57	\$ -	\$ 201,266.57	\$ -	\$ -	\$ -	\$ -	-	-	-



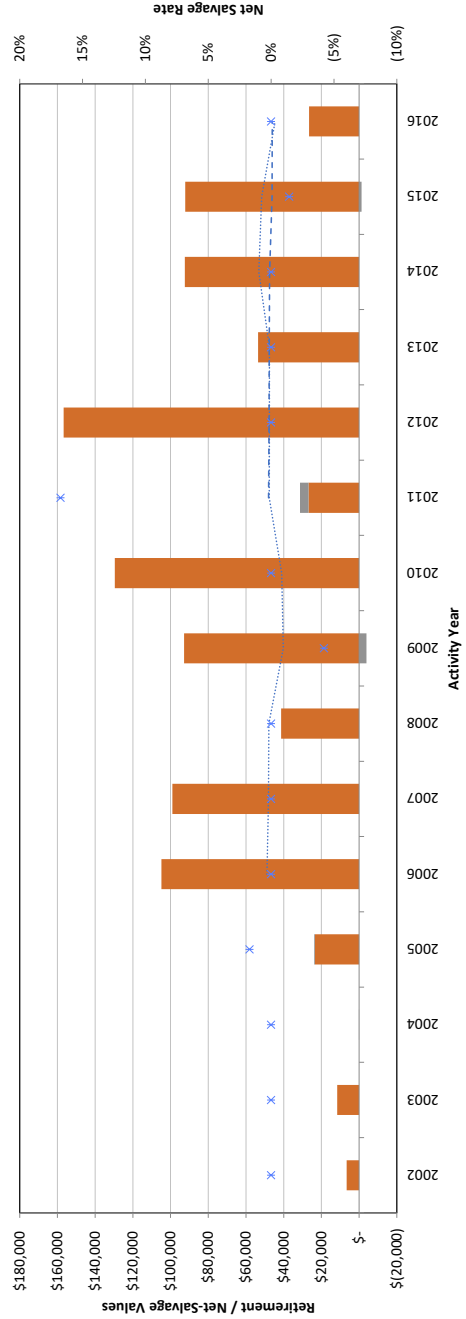
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C394.31-Garage Equip -Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)-(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 4,470.00	\$ -	\$ 4,470.00	\$ 180.00	\$ -	\$ -	\$ 180.00	4.0268%	-	-
2003	11,009.00	-	11,009.00	-	-	-	-	-	-	-
2004	202,274.00	-	202,274.00	665.00	-	-	665.00	0.3288%	-	-
2005	12,875.00	-	12,875.00	886.90	-	-	886.90	6.8885%	-	-
2006	26,956.00	-	26,956.00	1,400.00	-	-	1,400.00	5.1936%	1.2159%	-
2007	25,456.00	-	25,456.00	600.00	-	-	600.00	2.3570%	1.2750%	-
2008	230,923.00	-	230,923.00	1,300.00	-	-	1,300.00	0.5630%	0.9733%	-
2009	883,315.00	-	883,315.00	1,234.00	-	-	1,234.00	0.1397%	0.4596%	-
2010	45,010.00	-	45,010.00	-	-	-	-	-	0.3742%	-
2011	343,890.00	-	343,890.00	-	-	-	-	-	0.2050%	0.3508%
2012	291,872.00	-	291,872.00	-	-	-	-	-	0.1412%	0.2935%
2013	41,517.00	-	41,517.00	-	-	-	-	-	0.0769%	0.2892%
2014	-	-	-	-	-	-	-	-	-	0.2850%
2015	-	-	-	-	-	-	-	-	-	0.2400%
2016	82,861.58	-	82,861.58	-	-	-	-	-	-	0.1611%
	\$ 2,202,428.58	\$ -	\$ 2,202,428.58	\$ 6,265.90	\$ -	\$ -	\$ 6,265.90	0.2845%	-	-



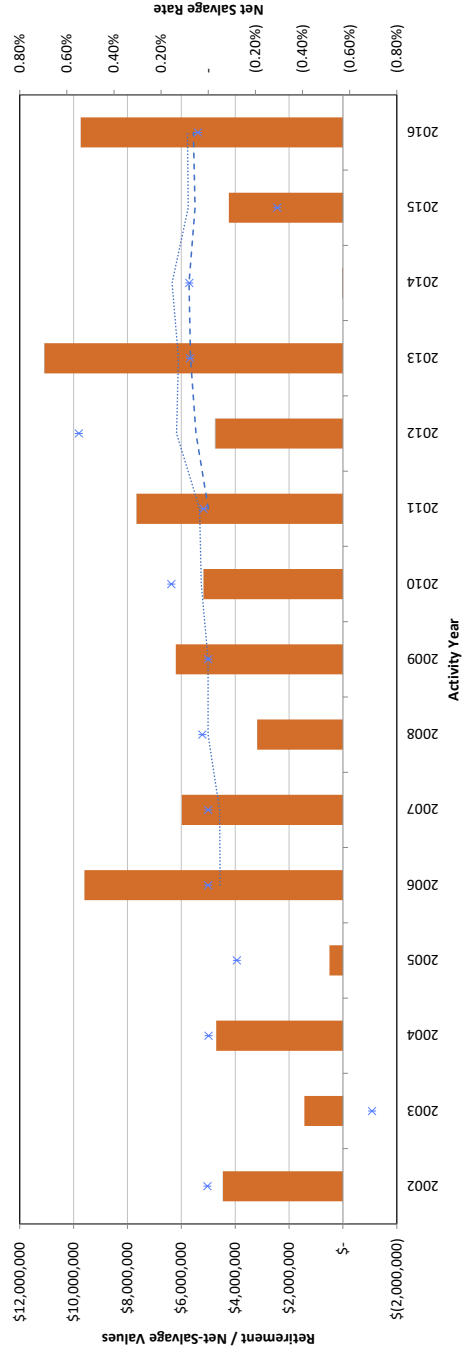
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C395.10-Laboratory Eq -Other"
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 6,607.00	\$ -	\$ 6,607.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	11,595.00	-	11,595.00	-	-	-	-	-	-	-
2004	-	-	-	90.00	-	-	90.00	-	-	-
2005	23,470.00	-	23,470.00	400.00	-	-	400.00	1.7043%	-	-
2006	104,861.00	-	104,861.00	-	-	-	-	0.3344%	0.3344%	0.2050%
2007	99,048.00	-	99,048.00	-	-	-	-	0.1823%	0.1823%	0.1289%
2008	41,380.00	-	41,380.00	-	-	-	-	(0.9703%)	(0.9703%)	(0.8357%)
2009	92,791.00	-	92,791.00	-	(3,908.00)	-	(3,908.00)	(4.2116%)	(4.2116%)	(0.1519%)
2010	129,544.00	-	129,544.00	-	-	-	-	16.7442%	16.7442%	0.1324%
2011	26,875.00	-	26,875.00	4,500.00	-	-	4,500.00	-	-	0.1289%
2012	156,676.00	-	156,676.00	-	-	-	-	-	-	0.1486%
2013	53,558.00	-	53,558.00	-	-	-	-	-	-	0.9802%
2014	92,439.79	-	92,439.79	-	-	-	-	-	-	0.7522%
2015	92,257.38	-	92,257.38	-	(1,327.15)	-	(1,327.15)	(1.4385%)	(1.4385%)	(0.0827%)
2016	26,524.39	-	26,524.39	-	-	-	-	-	(0.3149%)	(0.0906%)
	\$ 957,626.56	\$ -	\$ 957,626.56	\$ 4,990.00	\$ (5,235.15)	\$ -	\$ (245.15)	(0.0256%)	(0.0256%)	



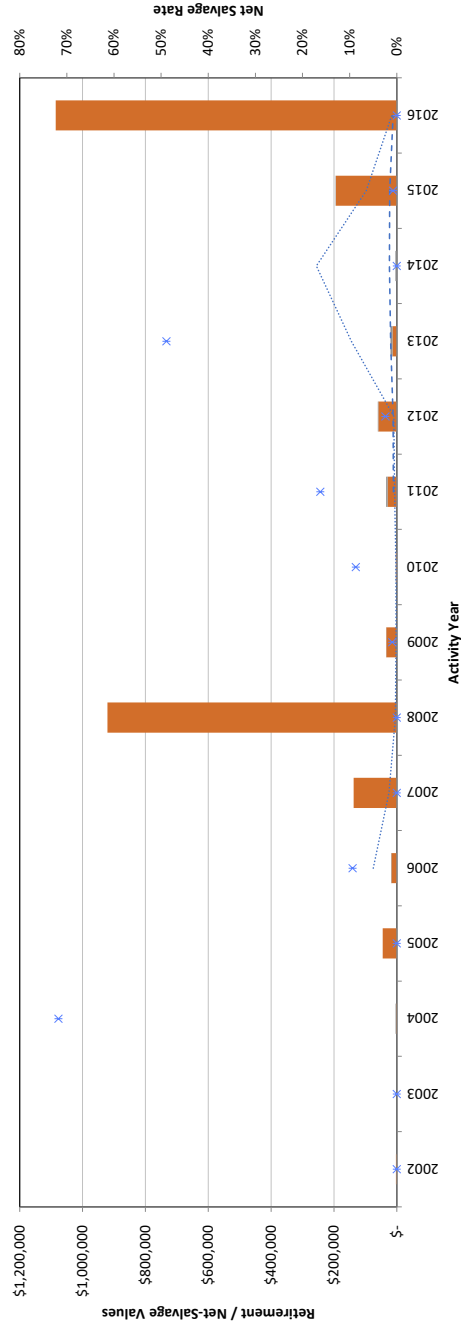
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C397.10-Commun Equip -Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 4,455,196.00	\$ -	\$ 4,455,196.00	\$ 2,250.00	\$ (2,095.50)	\$ -	\$ 154.50	0.0035%		
2003	1,430,625.00	-	1,430,625.00	754.00	(10,700.00)	-	(9,946.00)	(0.6952%)		
2004	4,703,515.00	-	4,703,515.00	887.50	(945.33)	-	(57.83)	(0.0012%)		
2005	501,805.00	-	501,805.00	-	(612.25)	-	(612.25)	(0.1220%)		
2006	9,600,362.00	-	9,600,362.00	-	-	-	-	(0.0506%)		
2007	5,982,996.00	-	5,982,996.00	-	-	-	-	(0.0478%)		
2008	3,182,658.00	-	3,182,658.00	801.00	-	-	801.00	0.0252%		
2009	6,208,003.00	-	6,208,003.00	-	-	-	-	0.0007%		
2010	5,173,136.00	-	5,173,136.00	8,080.00	-	-	8,080.00	0.1562%		
2011	7,661,412.00	-	7,661,412.00	1,467.00	-	-	1,467.00	0.0191%		(0.0002%)
2012	4,732,404.00	-	4,732,404.00	25,974.00	-	-	25,974.00	0.5489%		0.0523%
2013	11,087,097.00	-	11,087,097.00	8,501.34	-	-	8,501.34	0.0767%		0.0750%
2014	23,426.89	-	23,426.89	-	(35,523.13)	35,541.87	18.74	0.0800%		0.0817%
2015	4,234,285.97	-	4,234,285.97	-	(12,396.92)	-	(12,396.92)	(0.2928%)		0.0561%
2016	9,729,859.74	-	9,729,859.74	4,250.00	-	-	4,250.00	0.0437%		0.0633%
	\$ 78,706,781.60	\$ -	\$ 78,706,781.60	\$ 52,964.84	\$ (62,273.13)	\$ 35,541.87	\$ 26,233.58	0.0333%		



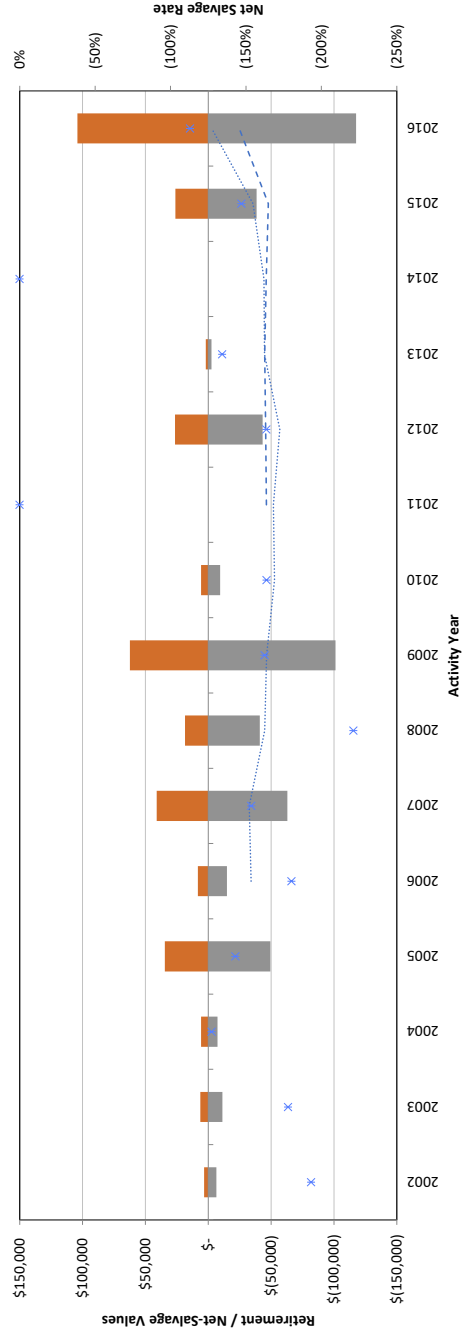
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - C398.10-Misc Equip - Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)-(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 2,626.00	\$ -	\$ 2,626.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	2,438.00	-	2,438.00	1,750.00	-	-	1,750.00	71.7801%	-	-
2005	44,794.00	-	44,794.00	-	-	-	-	-	-	-
2006	17,083.00	-	17,083.00	1,600.00	-	-	1,600.00	9.3660%	5.0044%	-
2007	137,394.00	-	137,394.00	-	-	-	-	-	1.6608%	-
2008	920,589.00	-	920,589.00	-	-	-	-	-	0.2985%	-
2009	33,330.00	-	33,330.00	312.00	-	-	312.00	0.9361%	0.1658%	-
2010	2,874.00	-	2,874.00	250.00	-	-	250.00	8.6987%	0.1946%	-
2011	29,124.00	-	29,124.00	4,726.00	-	-	4,726.00	16.2272%	0.4708%	0.7257%
2012	58,863.00	-	58,863.00	1,400.00	-	-	1,400.00	2.3784%	0.6401%	0.8053%
2013	13,443.00	-	13,443.00	6,570.00	-	-	6,570.00	48.8730%	9.6328%	1.3182%
2014	-	-	-	4,855.59	-	-	4,855.59	-	17.0670%	1.5677%
2015	193,595.14	-	193,595.14	1,500.00	-	-	1,500.00	0.7748%	6.4576%	1.5085%
2016	1,085,403.52	-	1,085,403.52	-	-	-	-	-	1.0601%	0.7926%
	\$ 2,541,556.66	\$ -	\$ 2,541,556.66	\$ 22,963.59	\$ -	\$ -	\$ 22,963.59	0.9035%	-	-



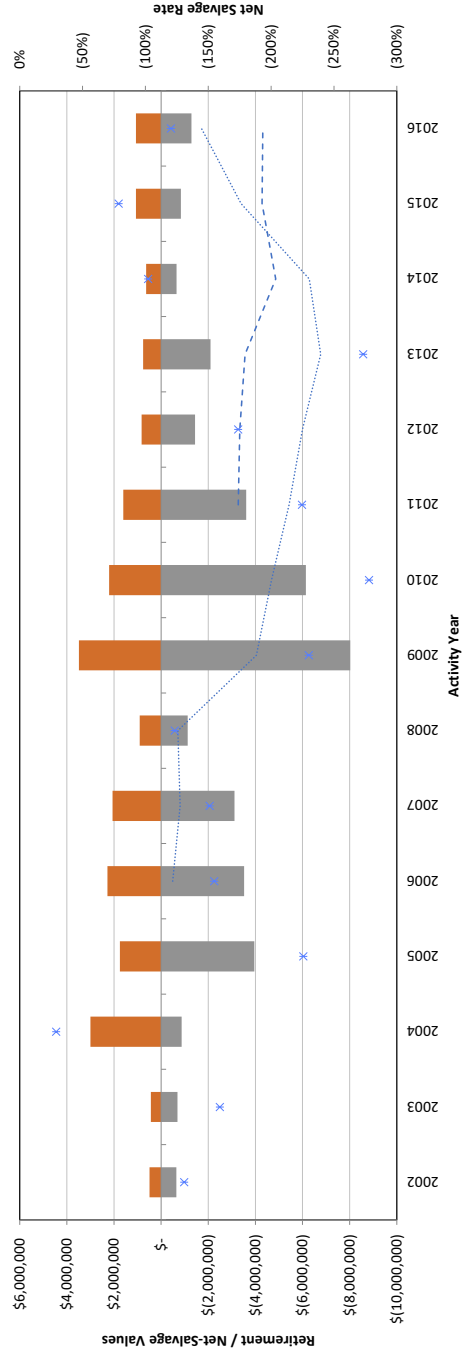
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E361.00-Struct. and Improv.
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 3,313.00	\$ -	\$ 3,313.00	\$ -	\$ (6,399.03)	\$ -	\$ (6,399.03)	(193.1491%)		
2003	6,356.00	-	6,356.00	-	(11,306.94)	-	(11,306.94)	(177.8940%)		
2004	5,748.00	-	5,748.00	-	(7,314.28)	-	(7,314.28)	(127.2491%)		
2005	34,493.00	-	34,493.00	-	(49,335.40)	-	(49,335.40)	(143.0302%)		
2006	8,281.00	-	8,281.00	-	(14,918.00)	-	(14,918.00)	(180.1473%)	(153.4148%)	
2007	40,983.00	-	40,983.00	-	(62,942.00)	-	(62,942.00)	(153.5808%)	(152.1126%)	
2008	18,526.00	-	18,526.00	-	(40,989.00)	-	(40,989.00)	(221.2512%)	(162.4521%)	
2009	62,325.00	-	62,325.00	-	(464,237.00)	362,990.04	(101,246.96)	(162.4500%)	(163.6806%)	
2010	5,745.00	-	5,745.00	-	(44,765.00)	35,361.58	(9,403.42)	(163.6801%)	(168.9234%)	
2011	-	-	-	-	(4,907.00)	4,907.00	-	-	(168.1949%)	(163.5652%)
2012	26,407.00	-	26,407.00	-	(86,292.00)	43,098.07	(43,193.93)	(163.5700%)	(172.4143%)	(163.0965%)
2013	1,902.00	-	1,902.00	-	(2,553.97)	-	(2,553.97)	(134.2781%)	(162.2742%)	(162.3683%)
2014	-	-	-	-	(38,025.13)	38,025.13	-	-	(161.9525%)	(163.3844%)
2015	26,193.70	-	26,193.70	-	(38,513.91)	-	(38,513.91)	(147.0350%)	(154.6012%)	(164.8228%)
2016	104,149.91	-	104,149.91	-	(117,649.54)	-	(117,649.54)	(112.9617%)	(127.2663%)	(145.5090%)
	\$ 344,422.61	\$ -	\$ 344,422.61	\$ -	\$ (990,148.20)	\$ 484,381.82	\$ (505,766.38)	(146.8447%)		



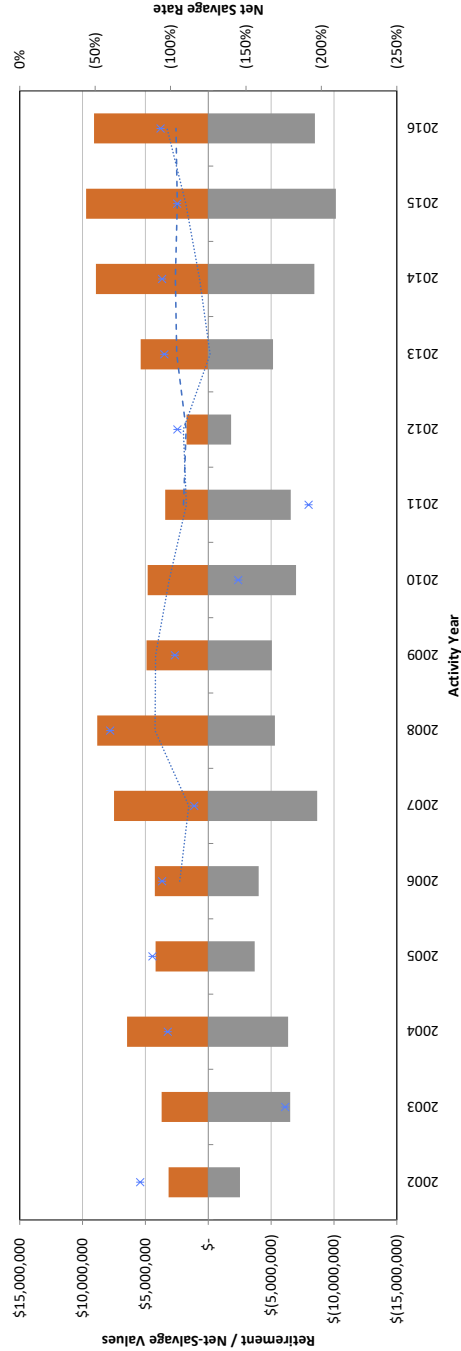
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E362.10-Station Equip.-Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 493,280.00	\$ -	\$ 493,280.00	\$ 461.97	\$ (646,065.06)	\$ -	\$ (645,603.09)	(130.8796%)		
2003	433,838.00	-	433,838.00	-	(691,334.31)	-	(691,334.31)	(159.3531%)		
2004	2,999,428.00	-	2,999,428.00	10,750.00	(880,668.00)	-	(869,918.00)	(29.0028%)		
2005	1,751,153.00	-	1,751,153.00	-	(3,951,145.17)	-	(3,951,145.17)	(225.6311%)		
2006	2,274,918.00	-	2,274,918.00	-	(3,519,910.00)	-	(3,519,910.00)	(154.7269%)	(121.6947%)	
2007	2,060,500.00	-	2,060,500.00	-	(3,116,781.00)	-	(3,116,781.00)	(151.2633%)	(127.6187%)	
2008	909,649.00	-	909,649.00	182.00	(3,400,864.00)	2,278,357.06	(8,020,300.00)	(230.0454%)	(125.8556%)	
2009	3,486,399.00	-	3,486,399.00	-	(8,020,300.00)	-	(6,137,069.00)	(277.9699%)	(188.2207%)	
2010	2,207,818.00	-	2,207,818.00	2,875.00	(6,139,944.00)	-	(6,137,069.00)	(277.9699%)	(200.3457%)	
2011	1,608,215.00	-	1,608,215.00	-	(3,611,621.00)	-	(3,611,621.00)	(224.5733%)	(214.2412%)	(173.8582%)
2012	829,129.00	-	829,129.00	-	(3,617,762.00)	2,176,238.32	(1,441,523.68)	(173.8600%)	(224.8907%)	(175.0005%)
2013	767,074.00	-	767,074.00	12,207.33	(2,108,513.02)	-	(2,096,305.69)	(273.2860%)	(239.4392%)	(179.3500%)
2014	636,726.38	-	636,726.38	-	(650,784.89)	-	(650,784.89)	(102.2079%)	(230.4082%)	(203.6573%)
2015	1,065,925.81	-	1,065,925.81	-	(839,493.32)	-	(839,493.32)	(78.7572%)	(176.0669%)	(192.8274%)
2016	1,068,921.21	-	1,068,921.21	-	(1,286,876.18)	-	(1,286,876.18)	(120.3902%)	(144.5812%)	(193.4589%)
	\$ 22,592,974.40	\$ -	\$ 22,592,974.40	\$ 26,476.30	\$ (42,482,061.95)	\$ 4,454,595.38	\$ (38,000,990.27)	(168.1983%)		



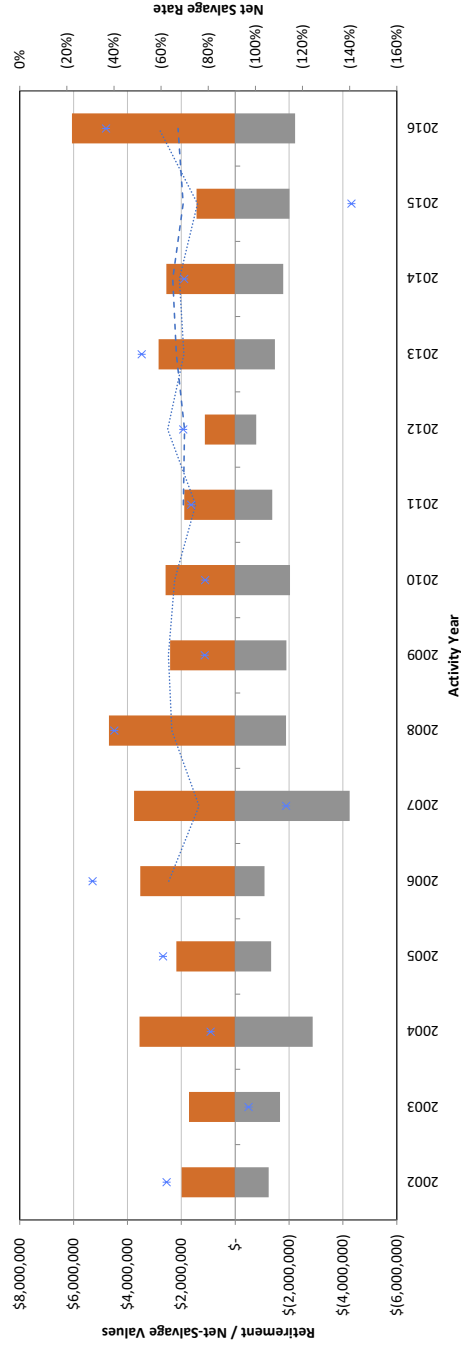
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E364-00-Poles, Towers & Fxtr
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 3,162,962.00	\$ -	\$ 3,162,962.00	\$ 8,317.90	\$ (2,536,704.39)	\$ -	\$ (2,528,386.49)	(79.9373%)		
2003	3,705,349.00	-	3,705,349.00	32,399.62	(6,556,280.93)	-	(6,523,881.31)	(176.0666%)		
2004	6,465,639.00	-	6,465,639.00	23,194.16	(6,372,083.43)	-	(6,348,889.27)	(98.1943%)		
2005	4,188,811.00	-	4,188,811.00	29,887.30	(3,717,287.28)	-	(3,687,399.98)	(88.0298%)		
2006	4,247,784.00	-	4,247,784.00	28,669.00	(4,043,125.00)	-	(4,014,456.00)	(94.5071%)	(106.1205%)	
2007	7,495,393.00	-	7,495,393.00	40,772.00	(8,710,827.00)	-	(8,670,055.00)	(115.6718%)	(112.0358%)	
2008	8,833,619.00	-	8,833,619.00	32,515.00	(5,333,408.00)	-	(5,300,893.00)	(60.0082%)	(89.7233%)	
2009	4,908,515.00	-	4,908,515.00	19,960.00	(5,073,739.00)	-	(5,053,779.00)	(102.9594%)	(90.0670%)	
2010	4,821,927.00	-	4,821,927.00	1,442.00	(6,987,809.00)	-	(6,986,367.00)	(144.8874%)	(99.0706%)	
2011	3,429,317.00	-	3,429,317.00	26,200.00	(6,595,142.00)	2,996,054.25	(6,568,942.00)	(191.5525%)	(110.4829%)	(108.6501%)
2012	1,730,297.00	-	1,730,297.00	17.00	(4,806,481.00)	-	(4,810,409.75)	(104.6300%)	(108.4166%)	(110.3126%)
2013	5,371,253.00	-	5,371,253.00	161,469.01	(5,312,576.88)	-	(5,151,107.87)	(95.9014%)	(126.2041%)	(104.0778%)
2014	8,941,822.95	-	8,941,822.95	191,273.92	(8,633,562.04)	-	(8,442,288.12)	(94.4135%)	(119.1997%)	(103.1814%)
2015	9,726,369.48	-	9,726,369.48	139,454.35	(10,295,414.29)	-	(10,155,959.94)	(104.4168%)	(110.0334%)	(104.4499%)
2016	9,088,436.25	-	9,088,436.25	101,770.18	(8,591,094.06)	-	(8,489,323.88)	(93.4080%)	(97.6789%)	(103.5467%)
	\$ 86,117,494.68	\$ -	\$ 86,117,494.68	\$ 837,341.44	\$ (93,565,534.30)	\$ 2,996,054.25	\$ (89,732,138.61)	(104.1973%)		



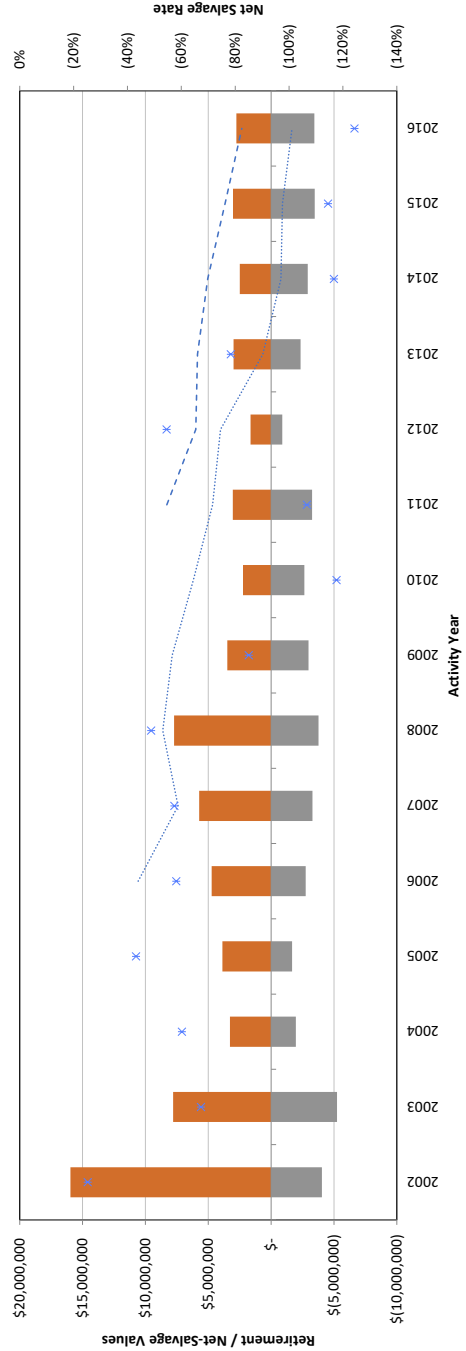
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E365.00-Overhead Cond & Dev
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 1,990,189.00	\$ -	\$ 1,990,189.00	\$ 118,122.09	\$ (1,358,868.66)	\$ -	\$ (1,240,746.57)	(62.3432%)		
2003	1,715,991.00	-	1,715,991.00	461,448.93	(2,127,816.91)	-	(1,666,367.98)	(97.1082%)		
2004	3,549,467.00	-	3,549,467.00	431,148.71	(3,306,142.90)	-	(2,874,994.19)	(80.9979%)		
2005	2,188,077.00	-	2,188,077.00	497,872.43	(1,830,005.46)	-	(1,332,133.03)	(60.8815%)		
2006	3,524,869.00	-	3,524,869.00	1,126,018.00	(2,216,519.00)	-	(1,090,501.00)	(30.9373%)	(63.2663%)	
2007	3,756,377.00	-	3,756,377.00	271,550.00	(4,520,620.00)	-	(4,249,070.00)	(113.1162%)	(76.0993%)	
2008	4,690,046.00	-	4,690,046.00	990,445.00	(2,875,794.00)	-	(1,885,349.00)	(40.1989%)	(64.5556%)	
2009	2,415,803.00	-	2,415,803.00	609,883.00	(2,508,278.00)	-	(1,898,395.00)	(78.5824%)	(63.0790%)	
2010	2,585,912.00	-	2,585,912.00	1,005,140.00	(3,040,658.00)	-	(2,035,518.00)	(78.7157%)	(65.7446%)	
2011	1,887,769.00	-	1,887,769.00	2,147,292.00	(3,521,324.00)	1,664,075.52	(1,374,032.00)	(72.7860%)	(74.6116%)	(69.4134%)
2012	1,124,088.00	-	1,124,088.00	304,697.00	(2,749,002.00)	-	(780,229.48)	(69.4100%)	(62.7658%)	(69.9261%)
2013	2,847,266.00	-	2,847,266.00	730,325.17	(2,205,024.89)	-	(1,474,699.72)	(51.7935%)	(69.6344%)	(66.4863%)
2014	2,553,379.96	-	2,553,379.96	762,323.30	(2,545,348.32)	-	(1,783,025.02)	(69.8300%)	(67.7143%)	(64.9279%)
2015	1,432,361.16	-	1,432,361.16	424,342.37	(2,440,745.21)	-	(2,016,402.84)	(140.7747%)	(75.4545%)	(69.3091%)
2016	6,058,248.41	-	6,058,248.41	594,549.15	(2,815,971.57)	-	(2,221,422.42)	(36.6677%)	(59.0480%)	(67.1799%)
	\$ 42,319,843.53	\$ -	\$ 42,319,843.53	\$ 10,475,157.15	\$ (40,062,118.92)	\$ 1,664,075.52	\$ (27,922,886.25)	(65.9806%)		



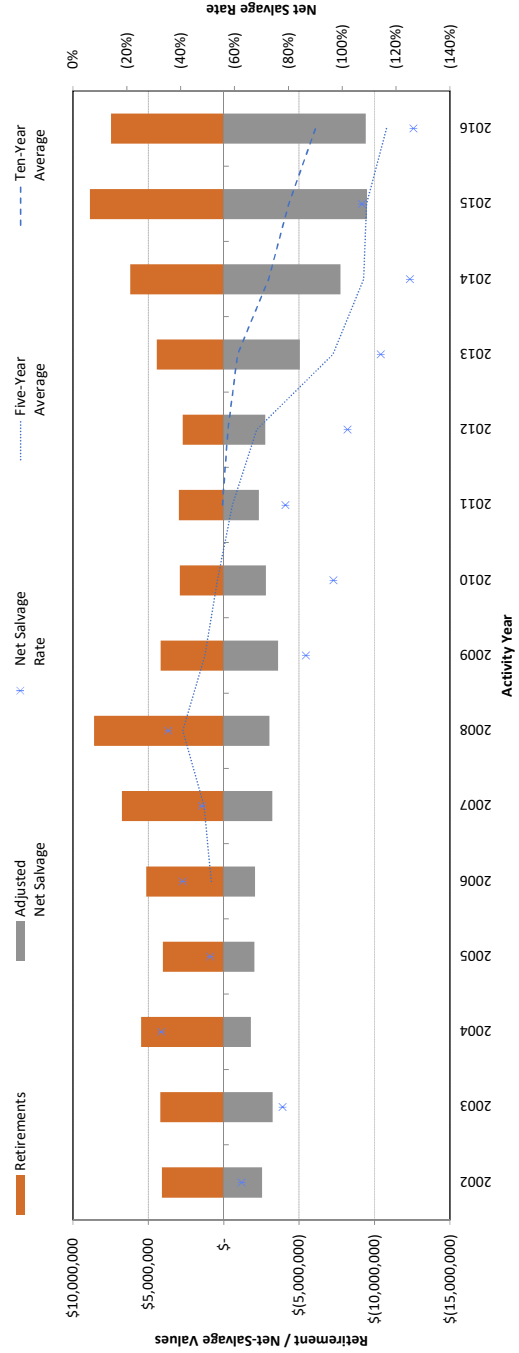
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E366.00-Underground Conduit
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 15,971,337.00	\$ -	\$ 15,971,337.00	\$ 4,457.39	\$ (4,038,274.01)	\$ -	\$ (4,038,816.62)	(25.2566%)		
2003	7,789,172.00	-	7,789,172.00	-	(5,245,766.55)	-	(5,245,766.55)	(67.3469%)		
2004	3,267,521.00	-	3,267,521.00	-	(1,967,633.71)	-	(1,967,633.71)	(60.2179%)		
2005	3,874,745.00	-	3,874,745.00	-	(1,673,796.63)	-	(1,673,796.63)	(43.1976%)		
2006	4,730,745.00	-	4,730,745.00	-	(2,749,721.00)	-	(2,749,721.00)	(58.1245%)	(43.9775%)	
2007	5,723,650.00	-	5,723,650.00	-	(3,286,549.00)	-	(3,286,549.00)	(57.4205%)	(58.7866%)	
2008	7,724,414.00	-	7,724,414.00	6,430.00	(3,772,376.00)	-	(3,772,376.00)	(48.8371%)	(53.1181%)	
2009	3,491,608.00	-	3,491,608.00	-	(2,977,228.00)	-	(2,977,228.00)	(85.0839%)	(56.5792%)	
2010	2,243,902.00	-	2,243,902.00	-	(2,640,793.00)	-	(2,640,793.00)	(117.6875%)	(64.4812%)	
2011	3,052,221.00	-	3,052,221.00	-	(3,256,330.00)	1,883,679.59	(3,256,330.00)	(106.6872%)	(71.6271%)	(54.6016%)
2012	1,636,248.00	-	1,636,248.00	-	(2,777,071.00)	-	(2,777,071.00)	(169.7000%)	(74.5724%)	(65.3673%)
2013	2,986,332.00	-	2,986,332.00	-	(2,340,621.46)	-	(2,340,621.46)	(78.3778%)	(90.2435%)	(65.9724%)
2014	2,494,381.66	-	2,494,381.66	-	(2,910,332.55)	-	(2,910,332.55)	(116.6755%)	(97.0063%)	(69.7996%)
2015	3,035,486.86	-	3,035,486.86	-	(3,475,692.78)	-	(3,475,692.78)	(114.5020%)	(97.5137%)	(76.2322%)
2016	2,770,395.45	-	2,770,395.45	-	(3,444,233.14)	-	(3,444,233.14)	(124.3228%)	(101.0944%)	(82.4580%)
	\$ 70,792,158.97	\$ -	\$ 70,792,158.97	\$ 10,887.39	\$ (46,556,418.83)	\$ 1,883,679.59	\$ (44,661,851.85)	(63.0887%)		



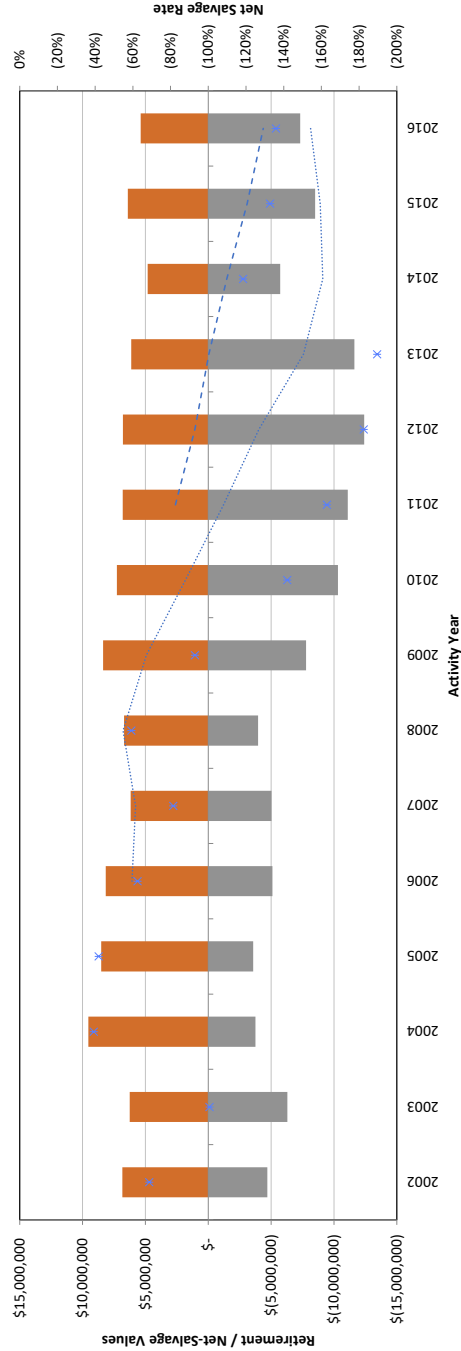
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E367.00-Undergrnd Cond & Dev
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)/(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 4,077,843.00	\$ -	\$ 4,077,843.00	\$ 247,359.08	\$ (2,805,564.27)	\$ -	\$ (2,558,205.19)	(62.7343%)		
2003	4,187,100.00	-	4,187,100.00	465,478.42	(3,725,108.84)	-	(3,259,630.42)	(77.8494%)		
2004	5,476,742.00	-	5,476,742.00	431,148.68	(2,232,643.11)	-	(1,801,494.43)	(32.8935%)		
2005	4,020,639.00	-	4,020,639.00	506,724.42	(2,559,319.28)	-	(2,052,594.86)	(51.0515%)		
2006	5,123,622.00	-	5,123,622.00	1,111,966.00	(3,201,625.00)	-	(2,089,659.00)	(40.7848%)	(51.3922%)	
2007	6,750,583.00	-	6,750,583.00	1,271,550.00	(4,507,997.00)	-	(3,236,447.00)	(47.9432%)	(48.6716%)	
2008	8,588,280.00	-	8,588,280.00	879,790.00	(3,926,892.00)	-	(3,047,102.00)	(35.4798%)	(40.8123%)	
2009	4,163,377.00	-	4,163,377.00	660,919.00	(4,264,271.00)	-	(3,603,352.00)	(86.5488%)	(48.9734%)	
2010	2,897,997.00	-	2,897,997.00	1,002,007.00	(3,807,782.00)	-	(2,805,775.00)	(96.8177%)	(53.7073%)	
2011	2,973,040.00	-	2,973,040.00	2,139,498.00	(4,487,291.00)	-	(2,347,793.00)	(78.9694%)	(59.2768%)	(55.5377%)
2012	2,709,036.00	-	2,709,036.00	384,262.00	(5,350,136.00)	2,201,167.31	(2,764,706.69)	(102.0550%)	(68.2960%)	(57.5993%)
2013	4,426,316.00	-	4,426,316.00	710,515.38	(5,772,197.39)	-	(5,061,682.01)	(114.3543%)	(96.5844%)	(61.1306%)
2014	6,190,116.64	-	6,190,116.64	801,984.82	(8,548,440.59)	-	(7,746,455.77)	(125.1423%)	(107.9697%)	(72.6450%)
2015	8,858,656.25	-	8,858,656.25	475,951.08	(9,985,438.15)	-	(9,509,487.07)	(107.3468%)	(109.0350%)	(80.1284%)
2016	7,457,699.47	-	7,457,699.47	621,058.72	(10,051,938.40)	-	(9,430,879.68)	(126.4583%)	(116.4342%)	(90.0729%)
	\$ 77,901,047.36	\$ -	\$ 77,901,047.36	\$ 11,710,212.60	\$ (75,226,644.03)	\$ 2,201,167.31	\$ (61,315,264.12)	(78.7092%)		



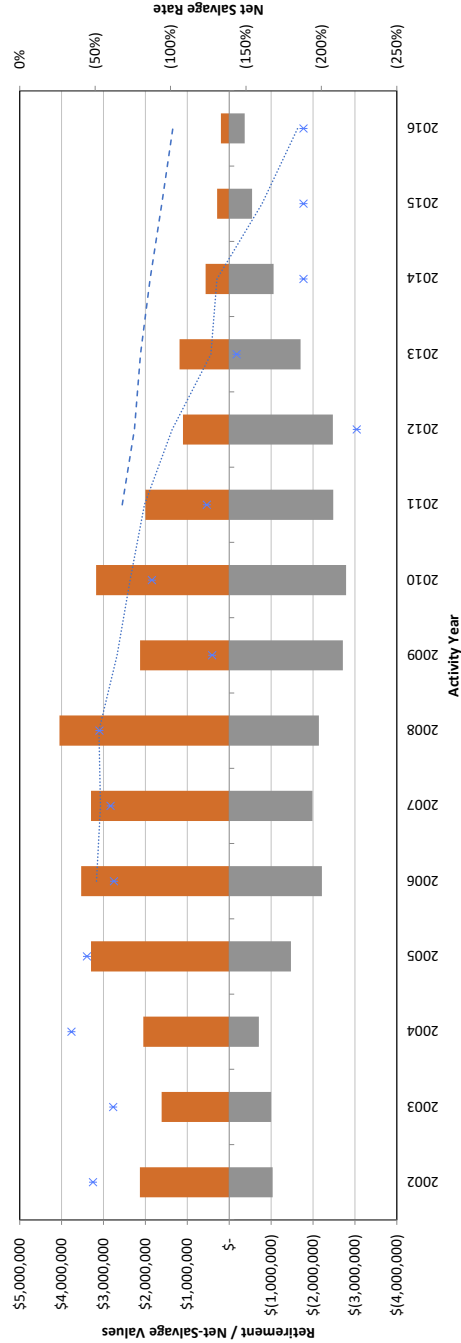
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E368.10-Line Transformers
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 6,838,626.00	\$ -	\$ 6,838,626.00	\$ 298,037.93	\$ (4,997,342.31)	\$ -	\$ (4,699,304.38)	(68.7171%)		
2003	6,248,791.00	-	6,248,791.00	376,230.06	(6,666,636.14)	-	(6,290,406.08)	(100.6660%)		
2004	9,545,138.00	-	9,545,138.00	660,148.97	(4,416,155.67)	-	(3,756,006.70)	(39.3499%)		
2005	8,524,164.00	-	8,524,164.00	2,924,572.86	(6,495,109.86)	-	(3,570,537.00)	(41.8872%)		
2006	8,159,635.00	-	8,159,635.00	2,207,004.00	(7,311,580.00)	-	(5,104,576.00)	(62.5589%)	(59.5702%)	
2007	6,175,058.00	-	6,175,058.00	1,133,589.00	(6,162,022.00)	-	(5,028,433.00)	(81.4313%)	(61.4444%)	
2008	6,694,927.00	-	6,694,927.00	1,067,187.00	(5,035,617.00)	-	(3,968,430.00)	(59.2752%)	(54.8045%)	
2009	8,369,271.00	-	8,369,271.00	1,288,462.00	(9,070,745.00)	-	(7,782,283.00)	(92.9864%)	(67.1208%)	
2010	7,274,484.00	-	7,274,484.00	1,809,628.00	(12,134,858.00)	-	(10,325,230.00)	(141.9376%)	(87.8265%)	
2011	6,804,988.00	-	6,804,988.00	1,703,031.00	(12,795,902.00)	-	(11,092,871.00)	(163.0109%)	(108.1501%)	(82.5591%)
2012	6,792,652.00	-	6,792,652.00	1,638,875.00	(4,403,783.00)	-	(12,398,408.00)	(182.5268%)	(126.7999%)	(92.9320%)
2013	6,133,201.00	-	6,133,201.00	1,021,597.91	(12,649,798.66)	-	(11,628,200.75)	(189.5943%)	(150.4667%)	(100.2437%)
2014	4,823,137.44	-	4,823,137.44	806,956.85	(6,523,896.30)	-	(5,716,939.45)	(118.5315%)	(160.7418%)	(109.8412%)
2015	6,394,262.73	-	6,394,262.73	621,568.79	(9,118,027.87)	-	(8,496,459.08)	(132.8763%)	(159.4045%)	(120.5855%)
2016	5,379,532.69	-	5,379,532.69	568,741.50	(7,883,060.23)	\$ -	(7,314,318.73)	(135.9657%)	(154.3023%)	(129.1635%)
	\$ 104,157,867.86	\$ -	\$ 104,157,867.86	\$ 18,125,630.87	\$ (125,298,034.04)	\$ -	\$ (107,172,403.17)	(102.8942%)		



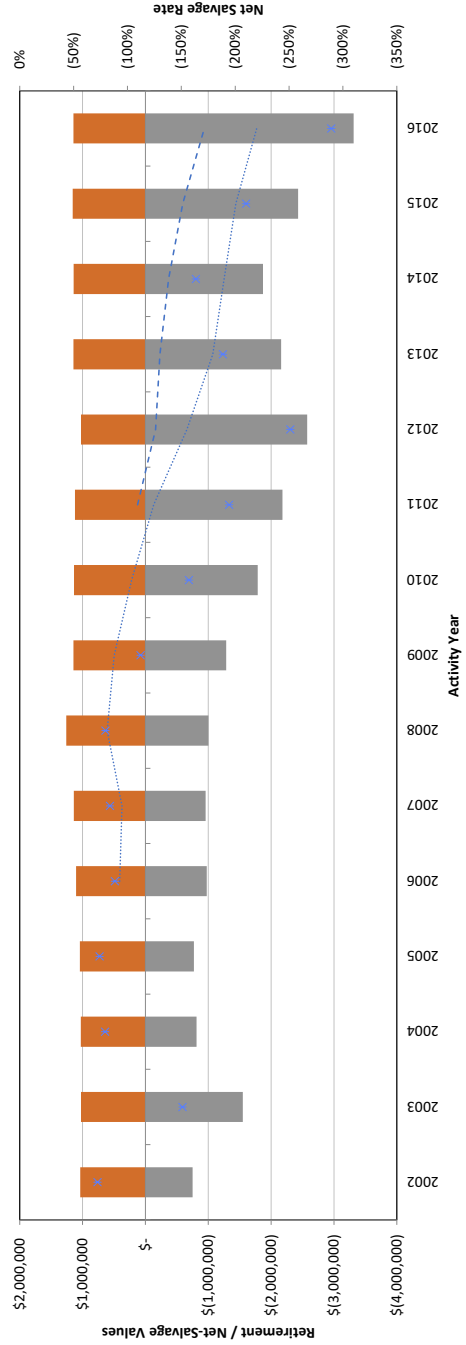
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E368.20-Capacitors
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 2,132,217.00	\$ -	\$ 2,132,217.00	\$ -	\$ (1,038,012.66)	\$ -	\$ (1,038,012.66)	(48.6823%)		
2003	1,612,663.00	-	1,612,663.00	-	(1,000,689.04)	-	(1,000,689.04)	(62.0520%)		
2004	2,049,836.00	-	2,049,836.00	-	(705,681.47)	-	(705,681.47)	(34.4262%)		
2005	3,299,149.00	-	3,299,149.00	-	(1,473,390.44)	-	(1,473,390.44)	(44.6597%)		
2006	3,533,733.00	-	3,533,733.00	-	(2,210,543.00)	-	(2,210,543.00)	(62.5555%)	(50.9069%)	
2007	3,298,458.00	-	3,298,458.00	-	(1,988,031.00)	-	(1,988,031.00)	(60.2715%)	(53.4901%)	
2008	4,050,715.00	-	4,050,715.00	-	(2,141,136.00)	-	(2,141,136.00)	(52.8582%)	(52.4818%)	
2009	2,124,903.00	-	2,124,903.00	-	(2,710,748.00)	-	(2,710,748.00)	(127.5704%)	(64.5359%)	
2010	3,178,059.00	-	3,178,059.00	-	(2,788,123.00)	-	(2,788,123.00)	(87.7304%)	(73.1415%)	
2011	1,999,996.00	-	1,999,996.00	-	(2,481,696.00)	-	(2,481,696.00)	(124.0850%)	(82.6483%)	(67.9554%)
2012	1,106,227.00	-	1,106,227.00	-	(2,472,203.00)	-	(2,472,203.00)	(223.4806%)	(101.0755%)	(76.0739%)
2013	1,183,140.00	-	1,183,140.00	-	(1,703,146.35)	-	(1,703,146.35)	(143.9514%)	(126.7254%)	(80.0593%)
2014	561,684.50	-	561,684.50	-	(1,057,427.63)	-	(1,057,427.63)	(188.2601%)	(130.8065%)	(86.4003%)
2015	289,717.83	-	289,717.83	-	(923,996.48)	378,573.69	(545,422.79)	(188.2600%)	(160.6744%)	(94.2412%)
2016	197,352.52	-	197,352.52	-	(849,265.46)	477,729.61	(371,535.85)	(188.2600%)	(184.2274%)	(101.4965%)
	\$ 30,617,850.85	\$ -	\$ 30,617,850.85	\$ -	\$ (25,544,089.53)	\$ 856,303.30	\$ (24,687,786.23)	(80.6320%)		



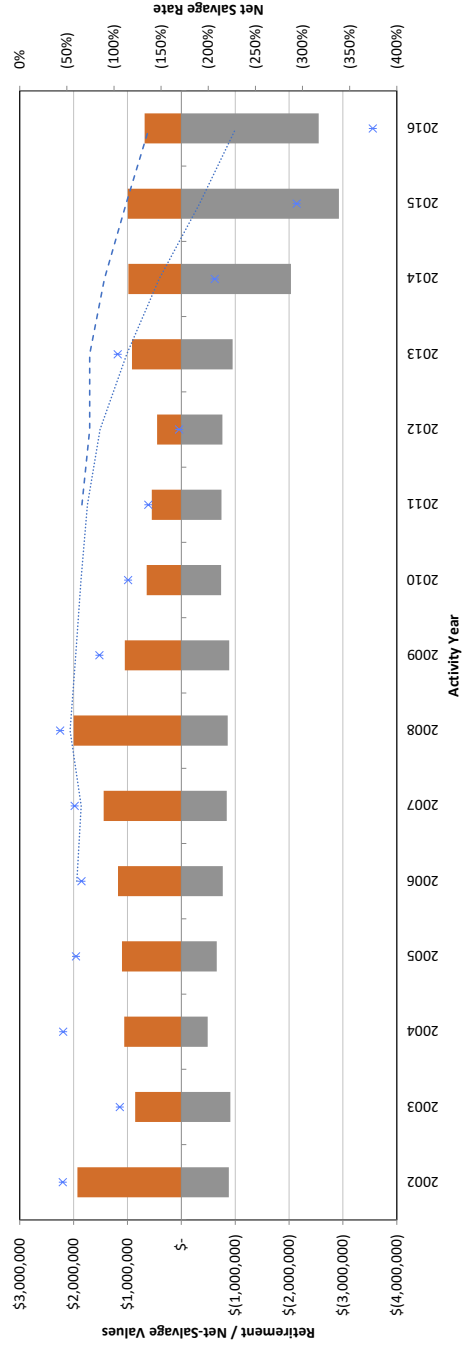
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E369.10-Services Overhead
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 1,038,081.00	\$ -	\$ 1,038,081.00	\$ -	\$ (749,689.47)	\$ -	\$ (749,689.47)	(72.2188%)		
2003	1,025,085.00	-	1,025,085.00	-	(1,548,724.76)	-	(1,548,724.76)	(151.0826%)		
2004	1,027,680.00	-	1,027,680.00	-	(814,669.98)	-	(814,669.98)	(79.2727%)		
2005	1,041,821.00	-	1,041,821.00	-	(772,800.01)	-	(772,800.01)	(74.1778%)		
2006	1,102,826.00	-	1,102,826.00	-	(974,437.00)	-	(974,437.00)	(88.3582%)	(92.8341%)	
2007	1,140,216.00	-	1,140,216.00	-	(956,222.00)	-	(956,222.00)	(83.8632%)	(94.9271%)	
2008	1,258,687.00	-	1,258,687.00	-	(1,002,126.00)	-	(1,002,126.00)	(79.6168%)	(81.1357%)	
2009	1,144,300.00	-	1,144,300.00	-	(1,285,279.00)	-	(1,285,279.00)	(112.3201%)	(87.7461%)	
2010	1,136,735.00	-	1,136,735.00	-	(1,785,466.00)	-	(1,785,466.00)	(157.0697%)	(103.8177%)	
2011	1,121,218.00	-	1,121,218.00	-	(2,179,344.00)	-	(2,179,344.00)	(194.3729%)	(124.2586%)	(109.3517%)
2012	1,023,797.00	-	1,023,797.00	-	(2,572,625.00)	-	(2,572,625.00)	(251.2827%)	(155.2374%)	(126.0319%)
2013	1,145,022.00	-	1,145,022.00	-	(2,160,700.94)	-	(2,160,700.94)	(188.7039%)	(179.2010%)	(130.1676%)
2014	1,143,357.29	-	1,143,357.29	-	(1,870,213.18)	-	(1,870,213.18)	(163.5721%)	(189.7326%)	(138.2061%)
2015	1,156,129.68	-	1,156,129.68	-	(2,431,128.50)	-	(2,431,128.50)	(210.2816%)	(200.6255%)	(151.3991%)
2016	1,145,813.72	-	1,145,813.72	-	(3,313,500.61)	-	(3,313,500.61)	(289.1832%)	(219.9484%)	(171.3196%)
	\$ 16,650,768.69	\$ -	\$ 16,650,768.69	\$ -	\$ (24,416,926.45)	\$ -	\$ (24,416,926.45)	(146.6414%)		



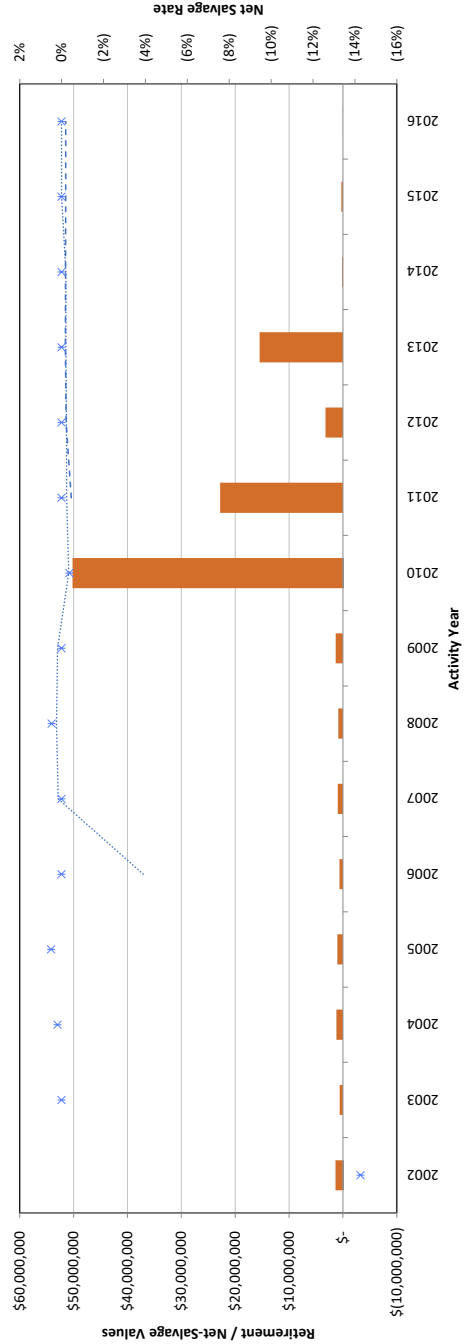
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E369.20-Services Underground
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 1,927,632.00	\$ -	\$ 1,927,632.00	\$ 29,519.29	\$ (910,647.79)	\$ -	\$ (881,128.50)	(45.7104%)		
2003	857,074.00	-	857,074.00	-	(909,898.71)	-	(909,898.71)	(106.1634%)		
2004	1,059,860.00	-	1,059,860.00	-	(489,194.46)	-	(489,194.46)	(46.1565%)		
2005	1,101,551.00	-	1,101,551.00	-	(658,670.53)	-	(658,670.53)	(59.7948%)		
2006	1,174,271.00	-	1,174,271.00	-	(770,120.00)	-	(770,120.00)	(65.5828%)	(60.6009%)	
2007	1,441,097.00	-	1,441,097.00	-	(842,307.00)	-	(842,307.00)	(58.4490%)	(65.1453%)	
2008	1,999,101.00	-	1,999,101.00	-	(859,149.00)	-	(859,149.00)	(42.9768%)	(53.4165%)	
2009	1,049,585.00	-	1,049,585.00	-	(888,802.00)	-	(888,802.00)	(84.6813%)	(59.4041%)	
2010	643,080.00	-	643,080.00	-	(739,728.00)	-	(739,728.00)	(115.0289%)	(65.0074%)	
2011	546,689.00	-	546,689.00	-	(745,953.00)	-	(745,953.00)	(136.4492%)	(71.7651%)	(65.9745%)
2012	450,866.00	-	450,866.00	-	(762,237.00)	-	(762,237.00)	(169.0607%)	(85.2121%)	(74.2607%)
2013	915,502.00	-	915,502.00	-	(952,970.36)	-	(952,970.36)	(104.0927%)	(113.4222%)	(74.2576%)
2014	982,808.70	-	982,808.70	-	(2,033,568.16)	-	(2,033,568.16)	(206.9139%)	(147.9101%)	(89.8002%)
2015	994,540.43	-	994,540.43	-	(2,923,342.28)	-	(2,923,342.28)	(293.9390%)	(190.6760%)	(112.9505%)
2016	681,037.97	-	681,037.97	-	(2,551,338.40)	-	(2,551,338.40)	(374.6250%)	(229.1681%)	(137.0463%)
	\$ 15,824,695.10	\$ -	\$ 15,824,695.10	\$ 29,519.29	\$ (17,037,926.69)	\$ -	\$ (17,008,407.40)	(107.4802%)		



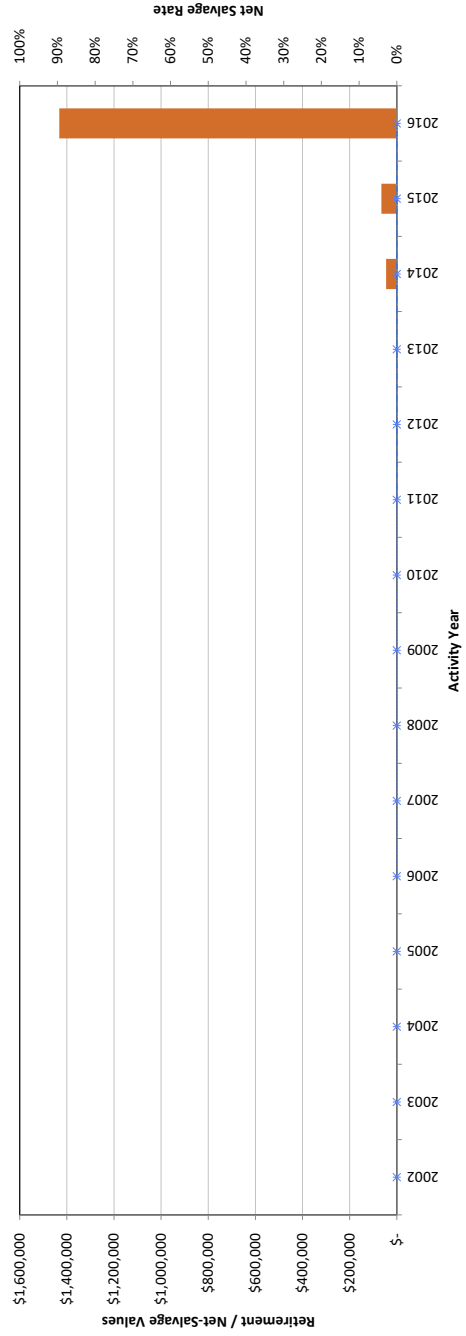
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E370.10-Meters
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)-(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 1,385,969.00	\$ -	\$ 1,385,969.00	\$ 1,680.00	\$ (199,523.20)	\$ -	\$ (197,843.20)	(14.2747%)	-	-
2003	612,798.00	-	612,798.00	-	-	-	-	-	-	-
2004	1,191,727.00	-	1,191,727.00	2,310.00	-	-	2,310.00	0.1938%	-	-
2005	1,041,008.00	-	1,041,008.00	5,155.00	-	-	5,155.00	0.4952%	-	-
2006	660,807.00	-	660,807.00	-	-	-	-	(3.8914%)	(3.8914%)	(3.8914%)
2007	974,482.00	-	974,482.00	-	-	-	-	0.1666%	0.1666%	0.1666%
2008	841,164.00	-	841,164.00	4,000.00	-	-	4,000.00	0.2435%	0.2435%	0.2435%
2009	1,334,465.00	-	1,334,465.00	-	-	-	-	0.1887%	0.1887%	0.1887%
2010	50,205,727.00	-	50,205,727.00	13,645.00	(200,601.00)	-	(186,956.00)	(0.3387%)	(0.3387%)	(0.3387%)
2011	22,780,131.00	-	22,780,131.00	-	-	-	-	(0.2403%)	(0.2403%)	(0.2403%)
2012	3,234,848.00	-	3,234,848.00	-	-	-	-	(0.2334%)	(0.2334%)	(0.2334%)
2013	15,458,372.00	-	15,458,372.00	-	-	-	-	(0.2010%)	(0.2010%)	(0.2010%)
2014	160,411.67	-	160,411.67	-	-	-	-	(0.2036%)	(0.2036%)	(0.2036%)
2015	283,030.28	-	283,030.28	-	-	-	-	(0.1907%)	(0.1907%)	(0.1907%)
2016	14,176.76	-	14,176.76	-	-	-	-	(0.1920%)	(0.1920%)	(0.1920%)
	\$ 100,179,116.71	\$ -	\$ 100,179,116.71	\$ 26,790.00	\$ (400,124.20)	\$ -	\$ (373,334.20)	(0.3727%)	(0.3727%)	(0.3727%)



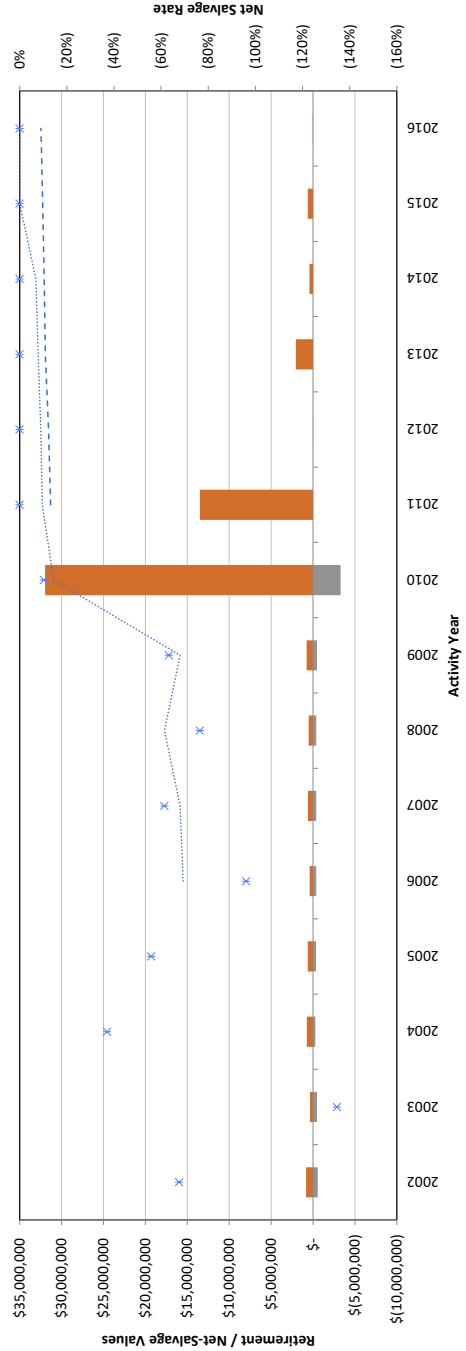
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E370.11-Meters - Electronic
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	45,414.32	-	45,414.32	-	-	-	-	-	-	-
2015	65,353.84	-	65,353.84	-	-	-	-	-	-	-
2016	1,432,167.69	-	1,432,167.69	-	-	-	-	-	-	-
	\$ 1,542,935.85	\$ -	\$ 1,542,935.85	\$ -	\$ -	\$ -	\$ -	-	-	-



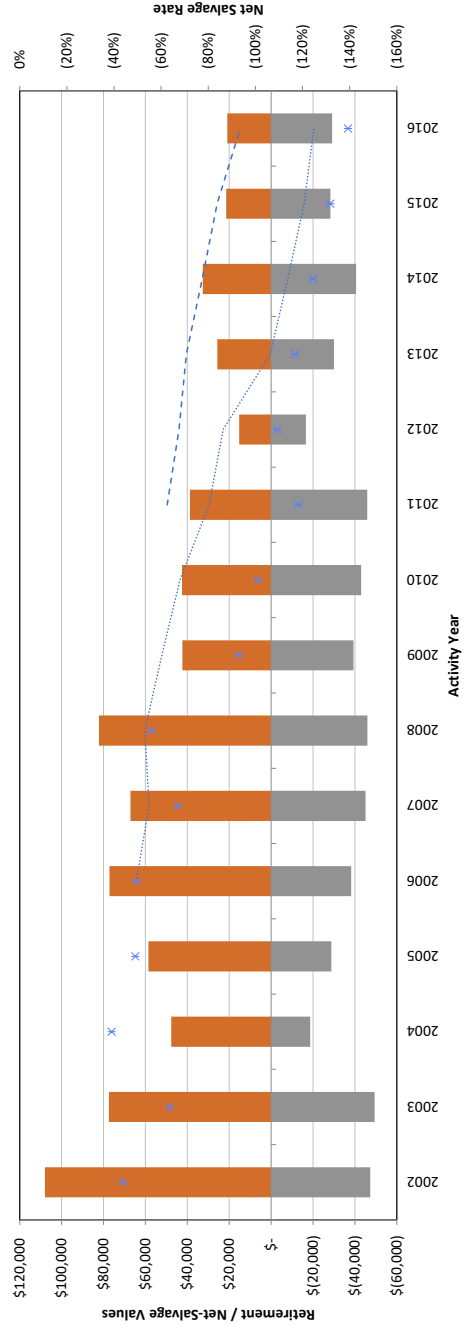
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E370.20-Meter Installations
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)-(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 837,804.00	\$ -	\$ 837,804.00	\$ -	\$ (566,638.04)	\$ -	\$ (566,638.04)	(67.6337%)		
2003	351,782.00	-	351,782.00	-	(473,709.65)	-	(473,709.65)	(134.6600%)		
2004	735,060.00	-	735,060.00	-	(272,554.63)	-	(272,554.63)	(37.0792%)		
2005	633,344.00	-	633,344.00	-	(353,166.85)	-	(353,166.85)	(55.7622%)		
2006	400,944.00	-	400,944.00	-	(385,291.00)	-	(385,291.00)	(96.0960%)	(69.3277%)	
2007	611,276.00	-	611,276.00	-	(375,532.00)	-	(375,532.00)	(61.4341%)	(68.0812%)	
2008	504,498.00	-	504,498.00	-	(385,970.00)	-	(385,970.00)	(76.5058%)	(61.4364%)	
2009	767,963.00	-	767,963.00	-	(486,663.00)	-	(486,663.00)	(63.3706%)	(68.0811%)	
2010	31,970,041.00	-	31,970,041.00	-	(3,300,512.00)	-	(3,300,512.00)	(10.3238%)	(14.4038%)	
2011	13,488,931.00	-	13,488,931.00	-	-	-	-	-	(9.6080%)	(13.1209%)
2012	253.00	-	253.00	-	-	-	-	-	(8.9300%)	(12.1975%)
2013	2,050,704.00	-	2,050,704.00	-	-	-	-	-	(7.8445%)	(10.8666%)
2014	419,917.78	-	419,917.78	-	-	-	-	-	(6.8861%)	(10.3979%)
2015	637,429.78	-	637,429.78	-	-	-	-	-	-	(9.7026%)
2016	31,308.71	-	31,308.71	-	-	-	-	-	-	(9.0104%)
	\$ 53,441,256.27	\$ -	\$ 53,441,256.27	\$ -	\$ (6,600,037.17)	\$ -	\$ (6,600,037.17)	(12.3501%)		



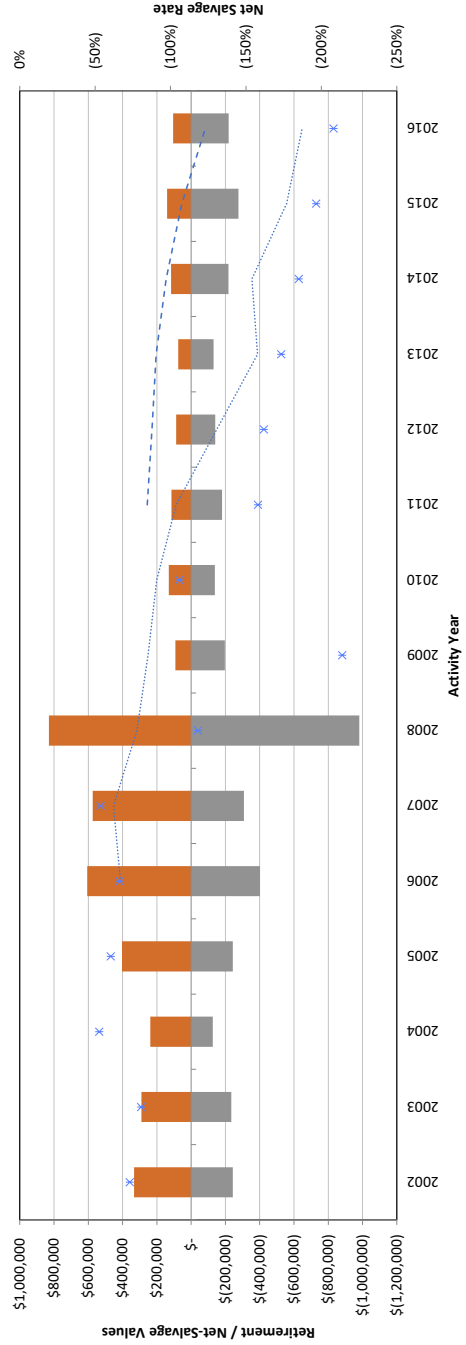
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E371.00-Installs - Cust Prem
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 107,924.00	\$ -	\$ 107,924.00	\$ -	\$ (47,303.92)	\$ -	\$ (47,303.92)	(43.8308%)		
2003	77,440.00	-	77,440.00	-	(49,367.04)	-	(49,367.04)	(63.7488%)		
2004	47,708.00	-	47,708.00	-	(18,651.73)	-	(18,651.73)	(39.0956%)		
2005	58,586.00	-	58,586.00	-	(28,734.66)	-	(28,734.66)	(49.0470%)		
2006	77,103.00	-	77,103.00	-	(38,205.00)	-	(38,205.00)	(49.5506%)	(49.4256%)	
2007	67,156.00	-	67,156.00	-	(45,092.00)	-	(45,092.00)	(67.1452%)	(54.8946%)	
2008	82,161.00	-	82,161.00	-	(45,954.00)	-	(45,954.00)	(55.9316%)	(53.0899%)	
2009	42,329.00	-	42,329.00	-	(39,310.00)	-	(39,310.00)	(92.8678%)	(60.2733%)	
2010	42,565.00	-	42,565.00	-	(43,004.00)	-	(43,004.00)	(101.0314%)	(67.9587%)	
2011	38,783.00	-	38,783.00	450.00	(46,338.00)	-	(45,888.00)	(118.3199%)	(80.3124%)	(62.5644%)
2012	15,209.00	-	15,209.00	-	(44,050.00)	27,420.50	(16,629.50)	(109.3399%)	(86.3099%)	(67.5426%)
2013	25,673.00	-	25,673.00	-	(27,220.61)	(2,777.22)	(29,997.83)	(116.8458%)	(106.2411%)	(70.6788%)
2014	32,607.48	-	32,607.48	-	(531,034.24)	490,486.24	(40,548.00)	(124.3518%)	(113.7111%)	(77.4335%)
2015	21,462.29	-	21,462.29	-	(525,712.51)	497,412.80	(28,299.71)	(131.8578%)	(120.6590%)	(83.7949%)
2016	20,862.50	-	20,862.50	-	(533,844.27)	504,769.49	(29,074.78)	(139.3638%)	(124.8118%)	(93.5674%)
	\$ 757,569.27	\$ -	\$ 757,569.27	\$ 450.00	\$ (2,063,821.98)	\$ 1,517,311.81	\$ (546,060.17)	(72.0806%)		



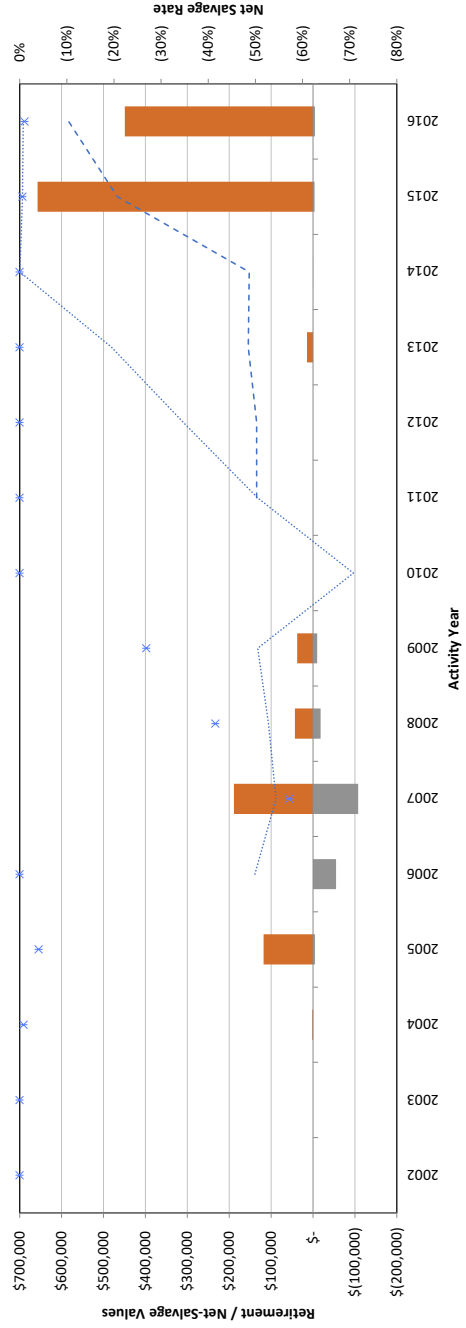
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E373-20-St. Lightg & Sgnl Sys
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 332,875.00	\$ -	\$ 332,875.00	\$ -	\$(242,960.53)	\$ -	\$(242,960.53)	(72.9885%)		
2003	290,332.00	-	290,332.00	-	(233,893.13)	-	(233,893.13)	(80.5606%)		
2004	238,752.00	-	238,752.00	-	(125,975.31)	-	(125,975.31)	(52.7641%)		
2005	403,116.00	-	403,116.00	-	(243,410.03)	-	(243,410.03)	(60.3821%)		
2006	605,781.00	-	605,781.00	-	(402,242.00)	-	(402,242.00)	(66.4006%)	(66.7331%)	
2007	574,501.00	-	574,501.00	-	(308,088.00)	-	(308,088.00)	(53.6271%)	(62.1832%)	
2008	829,237.00	-	829,237.00	1.00	(980,610.00)	-	(980,609.00)	(118.2544%)	(77.7074%)	
2009	92,182.00	-	92,182.00	-	(197,183.00)	-	(197,183.00)	(213.9062%)	(85.0973%)	
2010	130,448.00	-	130,448.00	-	(138,023.00)	-	(138,023.00)	(105.8069%)	(90.7710%)	
2011	114,347.00	-	114,347.00	-	(180,696.00)	-	(180,696.00)	(158.0243%)	(103.6700%)	(84.5361%)
2012	87,065.00	-	87,065.00	-	(218,940.00)	77,989.20	(140,950.80)	(161.8915%)	(130.6542%)	(87.6791%)
2013	75,686.00	-	75,686.00	-	(126,831.65)	(4,452.32)	(131,283.97)	(173.4587%)	(157.7131%)	(90.3953%)
2014	117,594.54	-	117,594.54	1,036.09	(861,208.60)	642,592.04	(217,580.47)	(185.0260%)	(153.9653%)	(97.0332%)
2015	140,641.45	-	140,641.45	-	(1,130,917.57)	854,425.94	(276,491.63)	(196.5933%)	(176.8994%)	(107.4315%)
2016	105,038.20	-	105,038.20	-	(1,673,445.87)	1,454,797.78	(218,648.09)	(208.1605%)	(187.2448%)	(123.0646%)
	\$ 4,137,596.19	\$ -	\$ 4,137,596.19	\$ 1,037.09	\$ (7,064,424.69)	\$ 3,025,352.64	\$ (4,038,034.96)	(97.5937%)		



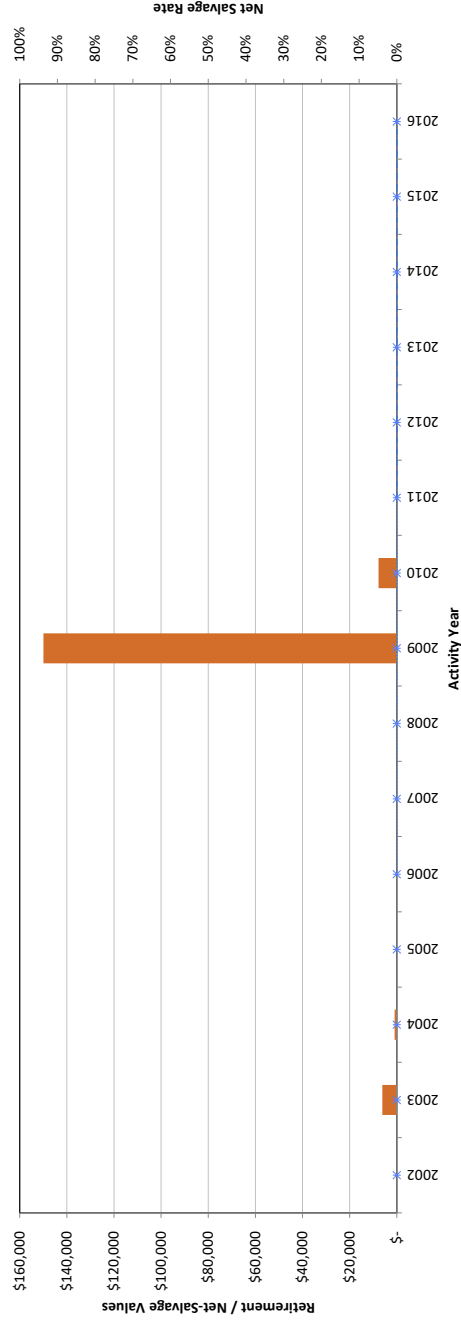
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E390.00-Struct. and Improv.
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	1,677.08	-	1,677.08	-	(3,257.11)	3,243.36	(13.75)	(0.8199%)	-	-
2005	117,816.35	-	117,816.35	-	(4,725.87)	-	(4,725.87)	(4.0112%)	-	-
2006	-	-	-	-	(54,866.00)	-	(54,866.00)	(49.8819%)	(49.8819%)	(49.8819%)
2007	188,541.00	-	188,541.00	-	(107,838.00)	-	(107,838.00)	(57.1960%)	(57.1960%)	(57.1960%)
2008	43,324.00	-	43,324.00	-	(17,982.00)	-	(17,982.00)	(41.5059%)	(41.5059%)	(41.5059%)
2009	37,658.00	-	37,658.00	-	(10,112.00)	-	(10,112.00)	(26.8522%)	(26.8522%)	(26.8522%)
2010	-	-	-	-	(24,116.00)	24,116.00	-	-	(70.7910%)	(70.7910%)
2011	-	-	-	-	-	-	-	-	(50.4343%)	(50.4343%)
2012	-	-	-	-	-	-	-	-	(50.2646%)	(50.2646%)
2013	14,192.84	-	14,192.84	-	-	-	-	-	(34.6917%)	(34.6917%)
2014	-	-	-	-	(5.34)	-	(5.34)	-	(19.5021%)	(19.5021%)
2015	657,530.83	-	657,530.83	-	(3,837.51)	-	(3,837.51)	(0.5836%)	(0.5836%)	(0.5836%)
2016	449,415.06	-	449,415.06	-	(4,533.42)	-	(4,533.42)	(1.0087%)	(1.0087%)	(1.0087%)
	\$ 1,510,155.16	\$ -	\$ 1,510,155.16	\$ -	\$ (231,273.25)	\$ 27,359.36	\$ (203,913.89)	(13.5028%)	(13.5028%)	(13.5028%)



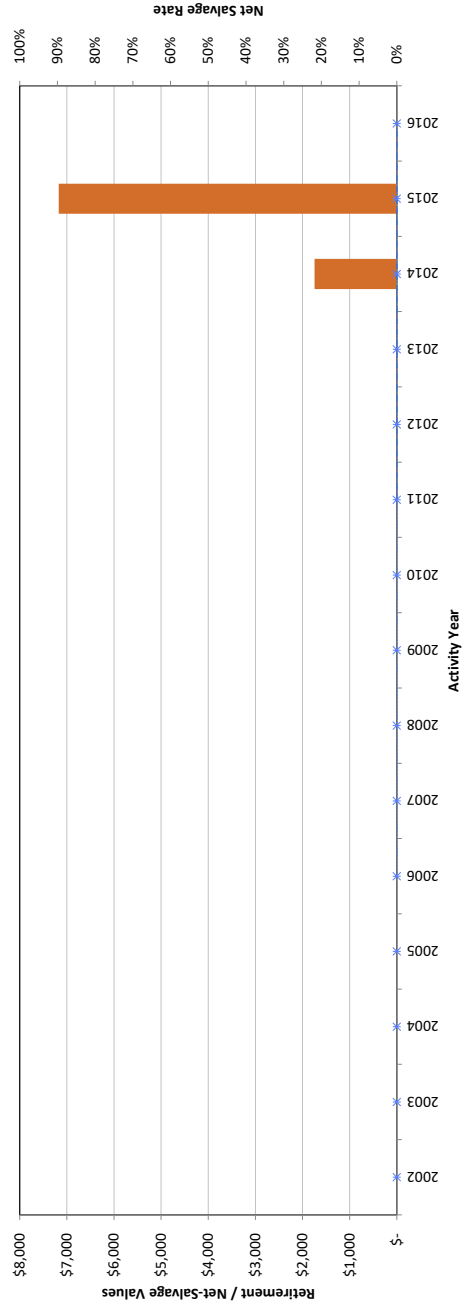
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E392.20-Transprtn Eq- Trailer
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	6,109.00	-	6,109.00	-	-	-	\$ -	-	-	-
2004	927.00	-	927.00	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	149,945.00	-	149,945.00	-	-	-	-	-	-	-
2010	7,751.00	-	7,751.00	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	\$ 164,732.00	\$ -	\$ 164,732.00	\$ -	\$ -	\$ -	\$ -	-	-	-



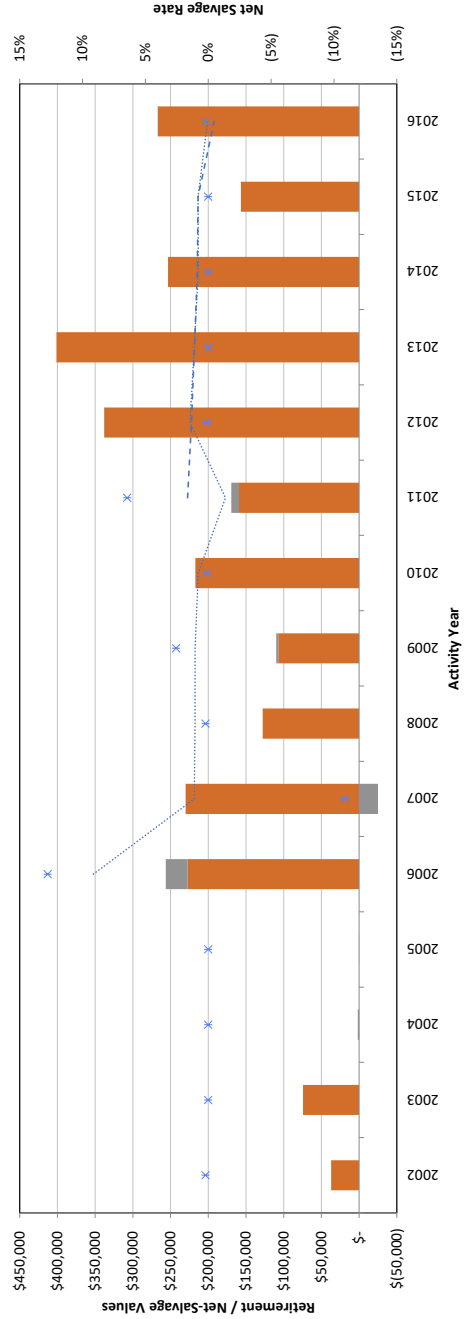
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E393.10-Stores Equip.-Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	1,745.22	-	1,745.22	-	-	-	-	-	-	-
2015	7,174.49	-	7,174.49	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
	\$ 8,919.71	\$ -	\$ 8,919.71	\$ -	\$ -	\$ -	\$ -	-	-	-



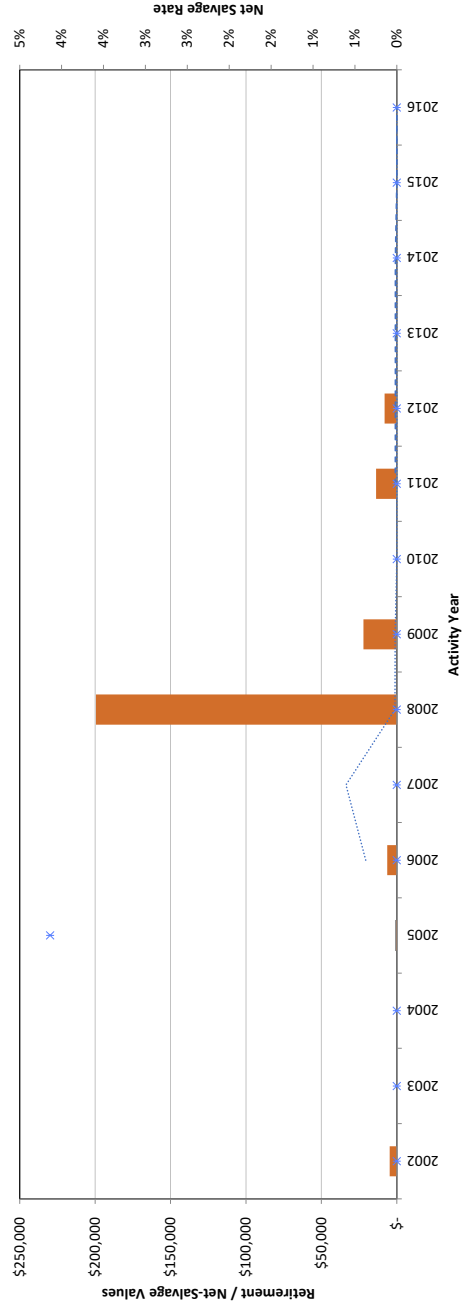
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E394.11-Portable Tools-Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)-(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 37,147.00	\$ -	\$ 37,147.00	\$ 81.00	\$ -	\$ -	\$ 81.00	0.2181%		
2003	74,230.00	-	74,230.00	-	-	-	-	-		
2004	-	-	-	1,650.00	-	-	1,650.00	-		
2005	-	-	-	200.00	-	-	200.00	-		
2006	227,349.00	-	227,349.00	29,039.00	-	-	29,039.00	12.7729%	9.1431%	
2007	230,011.00	-	230,011.00	(25,000.00)	-	-	(25,000.00)	(10.8690%)	1.1078%	
2008	127,711.00	-	127,711.00	275.00	-	-	275.00	0.2153%	1.0535%	
2009	107,057.00	-	107,057.00	2,737.00	-	-	2,737.00	2.5566%	1.0476%	
2010	217,139.00	-	217,139.00	200.00	-	-	200.00	0.0921%	0.7975%	
2011	159,175.00	-	159,175.00	10,250.00	-	-	10,250.00	6.4395%	(1.3718%)	1.6470%
2012	337,920.00	-	337,920.00	368.00	-	-	368.00	0.1089%	1.4573%	1.3318%
2013	401,276.00	-	401,276.00	-	-	-	-	-	1.1087%	1.0909%
2014	253,246.33	-	253,246.33	-	-	-	-	-	0.7904%	0.8768%
2015	156,664.55	-	156,664.55	-	-	-	-	-	0.8116%	0.8058%
2016	266,570.10	-	266,570.10	562.65	-	-	562.65	0.2111%	0.0657%	(0.4700%)
	\$ 2,595,495.98	\$ -	\$ 2,595,495.98	\$ 20,362.65	\$ -	\$ -	\$ 20,362.65	0.7845%		



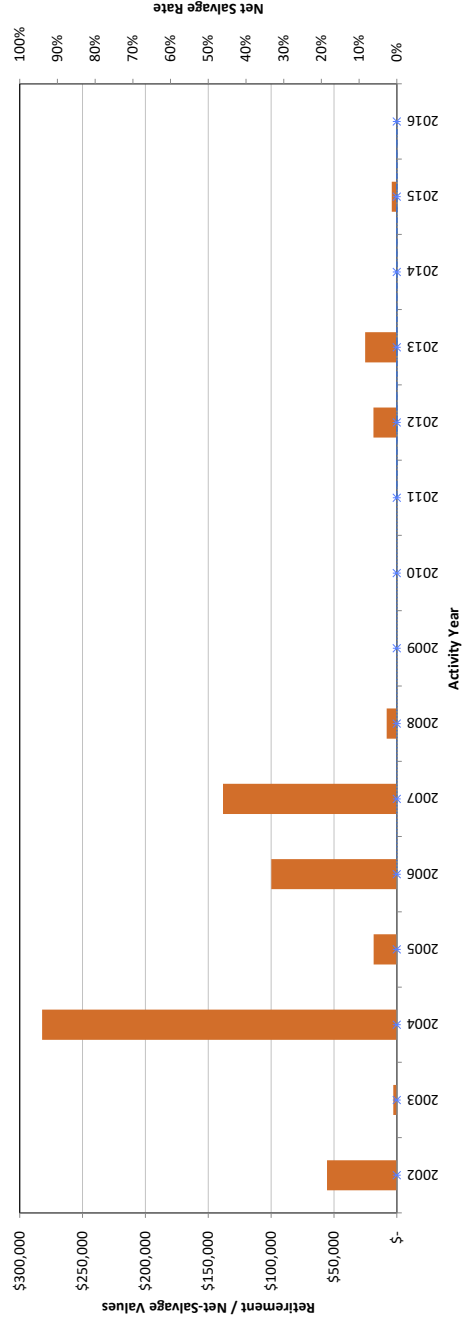
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E394-20-Shop Equipment
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)-(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 4,731.00	\$ -	\$ 4,731.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	1,088.00	-	1,088.00	45.00	-	-	45.00	4.1360%	0.3704%	0.0182%
2006	6,330.00	-	6,330.00	-	-	-	-	-	0.6066%	0.0179%
2007	-	-	-	-	-	-	-	-	0.0217%	0.0179%
2008	199,507.00	-	199,507.00	-	-	-	-	-	0.0197%	0.0179%
2009	22,072.00	-	22,072.00	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	13,783.00	-	13,783.00	-	-	-	-	-	-	0.0182%
2012	8,078.00	-	8,078.00	-	-	-	-	-	-	0.0179%
2013	-	-	-	-	-	-	-	-	-	0.0179%
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	\$ 255,589.00	\$ -	\$ 255,589.00	\$ 45.00	\$ -	\$ -	\$ 45.00	0.0176%	-	-



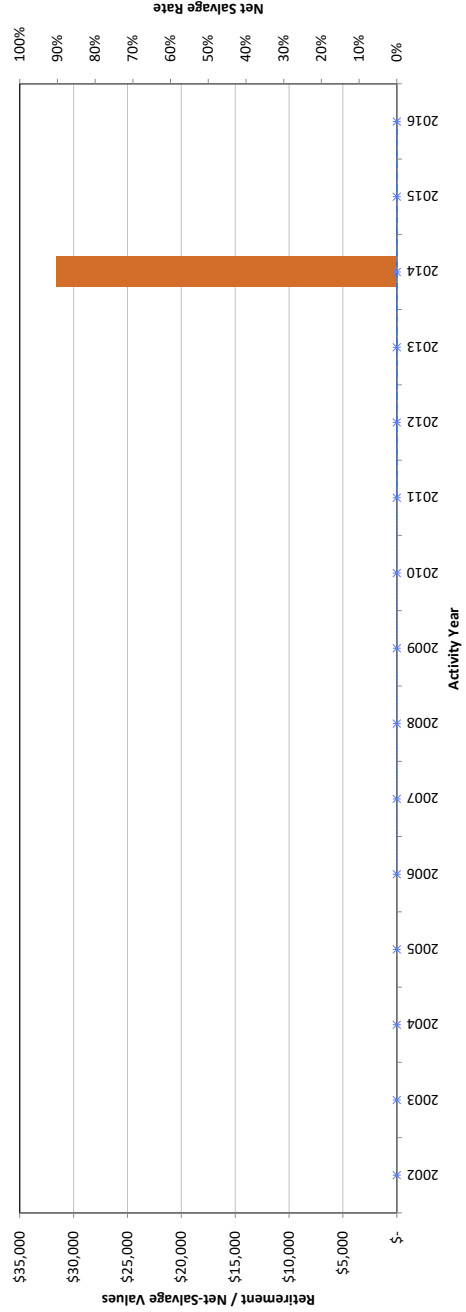
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E395.10-Laboratory Eq.-Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)-(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 55,502.00	\$ -	\$ 55,502.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	2,830.00	-	2,830.00	-	-	-	-	-	-	-
2004	282,195.00	-	282,195.00	-	-	-	-	-	-	-
2005	18,448.00	-	18,448.00	-	-	-	-	-	-	-
2006	99,795.00	-	99,795.00	-	-	-	-	-	-	-
2007	138,317.00	-	138,317.00	-	-	-	-	-	-	-
2008	8,014.00	-	8,014.00	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	18,618.00	-	18,618.00	-	-	-	-	-	-	-
2013	25,227.00	-	25,227.00	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	3,974.69	-	3,974.69	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
	\$ 652,920.69	\$ -	\$ 652,920.69	\$ -	\$ -	\$ -	\$ -	-	-	-



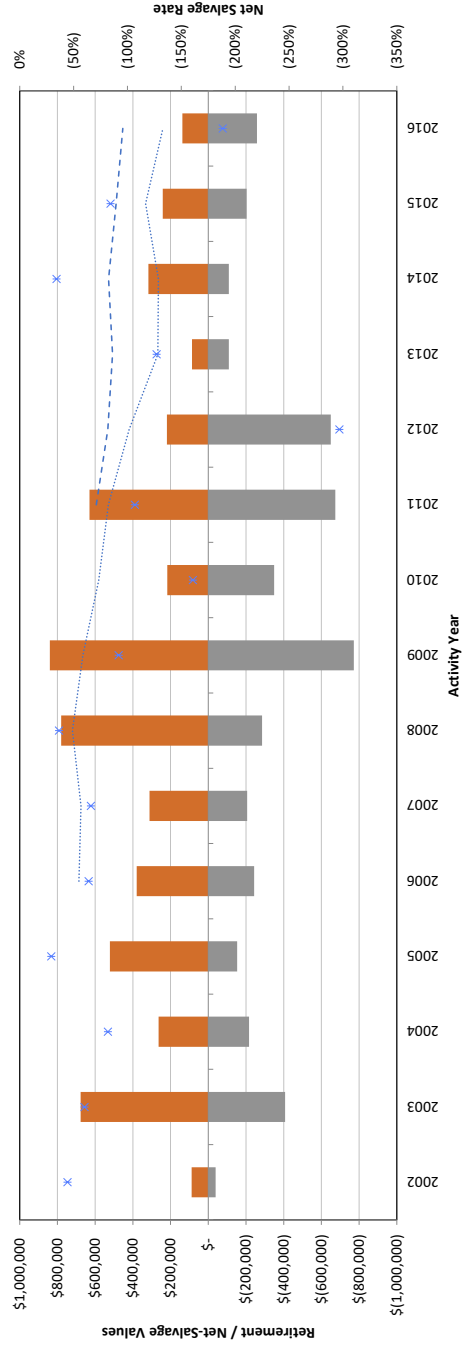
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - zE396.00 - Power Oper Eqp
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	31,632.82	-	31,632.82	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	\$ 31,632.82	\$ -	\$ 31,632.82	\$ -	\$ -	\$ -	\$ -	-	-	-



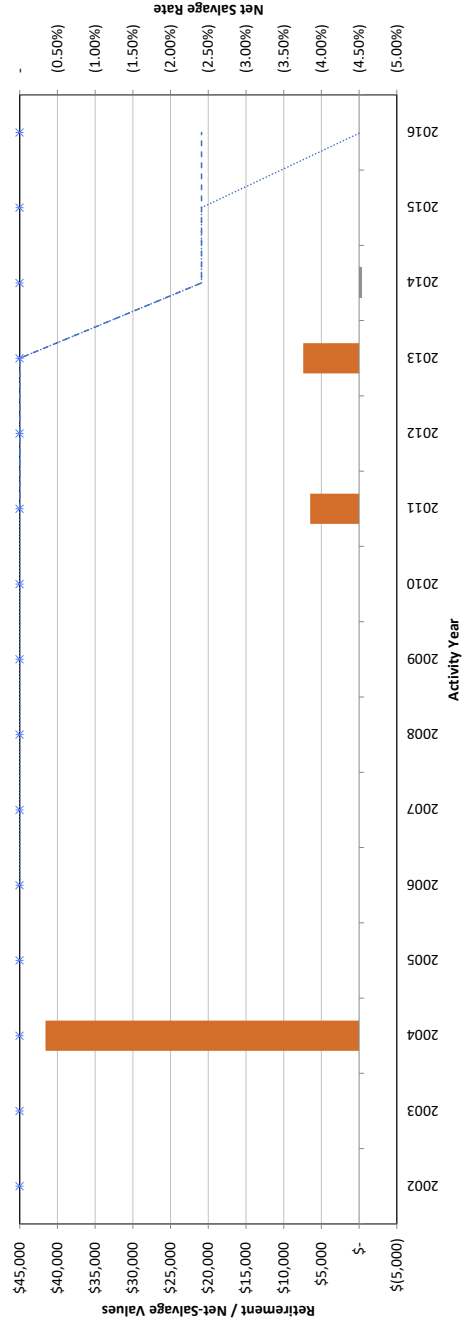
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E397.XX-Commun. Equip.-Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 88,662.00	\$ -	\$ 88,662.00	\$ -	\$ (39,459.96)	\$ -	\$ (39,459.96)	(44.5061%)		
2003	677,369.00	-	677,369.00	-	(407,751.28)	-	(407,751.28)	(60.1963%)		
2004	263,477.00	-	263,477.00	-	(215,899.16)	-	(215,899.16)	(81.9423%)		
2005	521,315.00	-	521,315.00	-	(153,256.16)	-	(153,256.16)	(29.3980%)		
2006	380,088.00	-	380,088.00	-	(243,207.00)	-	(243,207.00)	(63.9870%)	(54.8743%)	
2007	311,216.00	-	311,216.00	-	(206,173.00)	-	(206,173.00)	(66.2476%)	(56.9448%)	
2008	780,637.00	-	780,637.00	-	(285,328.00)	-	(285,328.00)	(36.5507%)	(48.9142%)	
2009	839,757.00	-	839,757.00	-	(771,639.00)	-	(771,639.00)	(91.8884%)	(58.5809%)	
2010	217,387.00	-	217,387.00	-	(349,395.00)	-	(349,395.00)	(160.7249%)	(73.3760%)	
2011	630,007.00	-	630,007.00	-	(674,143.00)	-	(674,143.00)	(107.0056%)	(82.2841%)	(71.0470%)
2012	219,106.00	-	219,106.00	-	(650,138.00)	-	(650,138.00)	(296.7230%)	(101.6282%)	(81.7487%)
2013	86,025.00	-	86,025.00	-	(109,325.46)	-	(109,325.46)	(127.0857%)	(128.2269%)	(86.1024%)
2014	317,399.28	-	317,399.28	-	(108,862.64)	-	(108,862.64)	(34.2983%)	(128.7049%)	(82.5359%)
2015	241,375.99	-	241,375.99	-	(203,506.97)	-	(203,506.97)	(84.3112%)	(116.8727%)	(89.5282%)
2016	136,781.70	-	136,781.70	-	(257,862.52)	-	(257,862.52)	(188.5212%)	(132.8781%)	(95.6791%)
	\$ 5,710,602.97	\$ -	\$ 5,710,602.97	\$ -	\$ (4,675,947.15)	\$ -	\$ (4,675,947.15)	(81.8818%)		



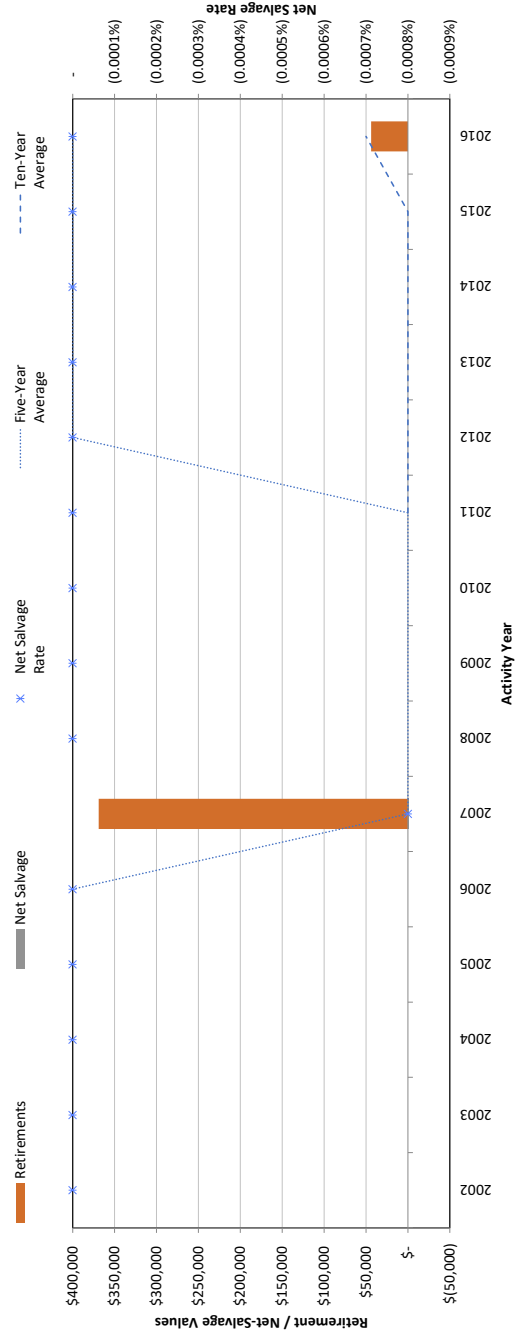
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - E398.10-Misc. Equip. - Other
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	41,572.00	-	41,572.00	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	6,493.00	-	6,493.00	-	-	-	-	-	(2.4107%)	(2.4107%)
2012	-	-	-	-	-	-	-	-	(2.4107%)	(2.4107%)
2013	7,412.00	-	7,412.00	-	(335.21)	-	(335.21)	(4.5225%)	(4.5225%)	(2.4107%)
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	\$ 55,477.00	\$ -	\$ 55,477.00	\$ -	\$ (335.21)	\$ -	\$ (335.21)	(0.6042%)	(0.6042%)	(0.6042%)



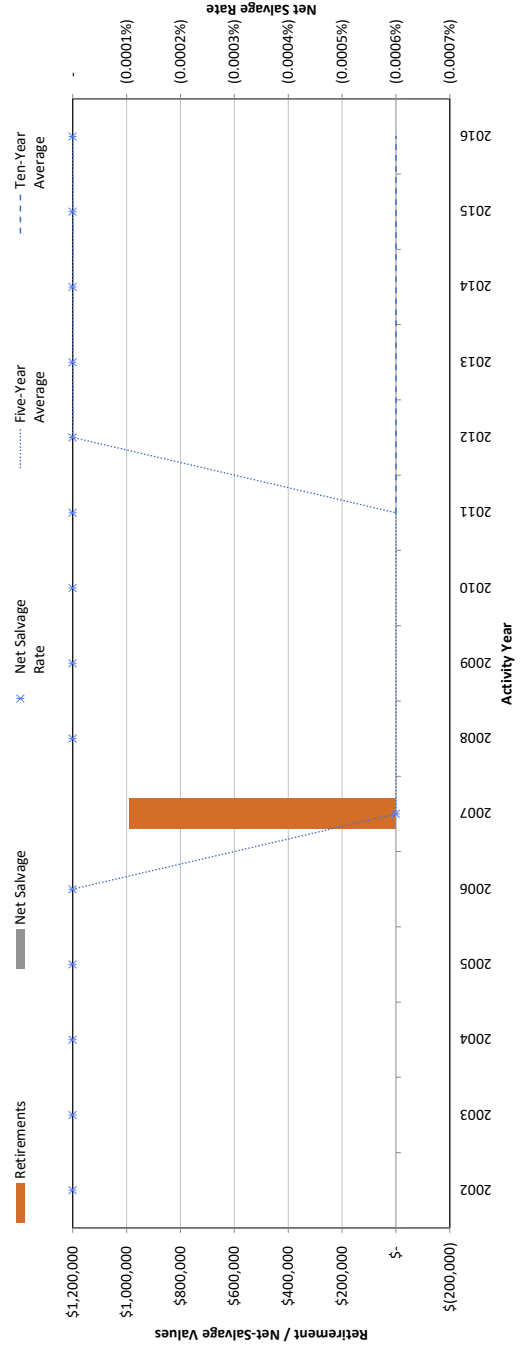
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G361.00-Struct. and Improv.
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)/(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	369,006.00	-	369,006.00	-	(3.00)	-	(3.00)	(0.0008%)	(0.0008%)	(0.0008%)
2008	-	-	-	-	-	-	-	-	(0.0008%)	(0.0008%)
2009	-	-	-	-	-	-	-	-	(0.0008%)	(0.0008%)
2010	-	-	-	-	-	-	-	-	(0.0008%)	(0.0008%)
2011	-	-	-	-	-	-	-	-	(0.0008%)	(0.0008%)
2012	-	-	-	-	-	-	-	-	(0.0008%)	(0.0008%)
2013	-	-	-	-	-	-	-	-	(0.0008%)	(0.0008%)
2014	-	-	-	-	-	-	-	-	-	(0.0008%)
2015	-	-	-	-	-	-	-	-	-	(0.0007%)
2016	43,992.02	-	43,992.02	-	(3.00)	-	(3.00)	(0.0007%)	-	(0.0007%)
	\$ 412,998.02	\$ -	\$ 412,998.02	\$ -	\$ (3.00)	\$ -	\$ (3.00)	(0.0007%)		



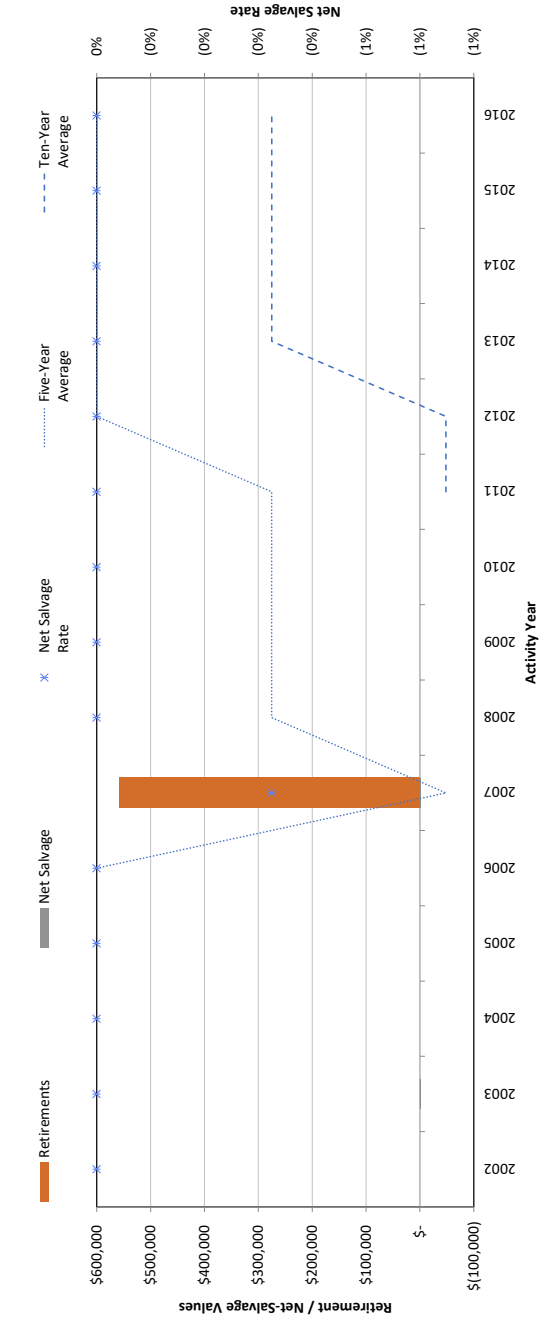
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G362.10-Gas Holders
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	989,283.00	-	-	-	-	-	-	-
2007	989,283.00	-	989,283.00	-	(6.00)	-	(6.00)	(0.0006%)	(0.0006%)	(0.0006%)
2008	-	-	-	-	-	-	-	-	(0.0006%)	(0.0006%)
2009	-	-	-	-	-	-	-	-	(0.0006%)	(0.0006%)
2010	-	-	-	-	-	-	-	-	(0.0006%)	(0.0006%)
2011	-	-	-	-	-	-	-	-	(0.0006%)	(0.0006%)
2012	-	-	-	-	-	-	-	-	(0.0006%)	(0.0006%)
2013	-	-	-	-	-	-	-	-	(0.0006%)	(0.0006%)
2014	-	-	-	-	-	-	-	-	(0.0006%)	(0.0006%)
2015	-	-	-	-	-	-	-	-	(0.0006%)	(0.0006%)
2016	\$ 989,283.00	\$ -	\$ 989,283.00	\$ -	\$ (6.00)	\$ -	\$ (6.00)	(0.0006%)	(0.0006%)	(0.0006%)



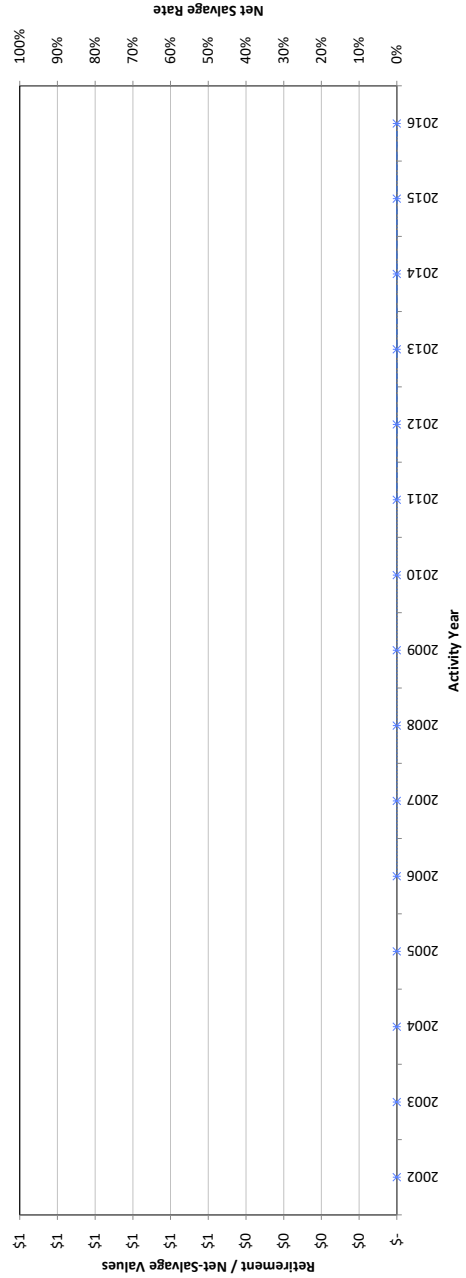
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G363.30-Compressor Equipment
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	(1,806.23)	-	(1,806.23)	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	558,651.00	-	558,651.00	-	(1,815.00)	-	(1,815.00)	(0.3249%)	(0.3249%)	(0.3249%)
2007	-	-	-	-	-	-	-	-	(0.6482%)	(0.6482%)
2008	-	-	-	-	-	-	-	-	(0.3249%)	(0.3249%)
2009	-	-	-	-	-	-	-	-	(0.3249%)	(0.3249%)
2010	-	-	-	-	-	-	-	-	(0.3249%)	(0.3249%)
2011	-	-	-	-	-	-	-	-	(0.3249%)	(0.3249%)
2012	-	-	-	-	-	-	-	-	(0.3249%)	(0.3249%)
2013	-	-	-	-	-	-	-	-	(0.3249%)	(0.3249%)
2014	-	-	-	-	-	-	-	-	(0.3249%)	(0.3249%)
2015	-	-	-	-	-	-	-	-	(0.3249%)	(0.3249%)
2016	-	-	-	-	(3,621.23)	-	(3,621.23)	(0.6482%)	(0.6482%)	(0.6482%)
	\$ 558,651.00	\$ -	\$ 558,651.00	\$ -	\$ (3,621.23)	\$ -	\$ (3,621.23)	(0.6482%)	(0.6482%)	(0.6482%)



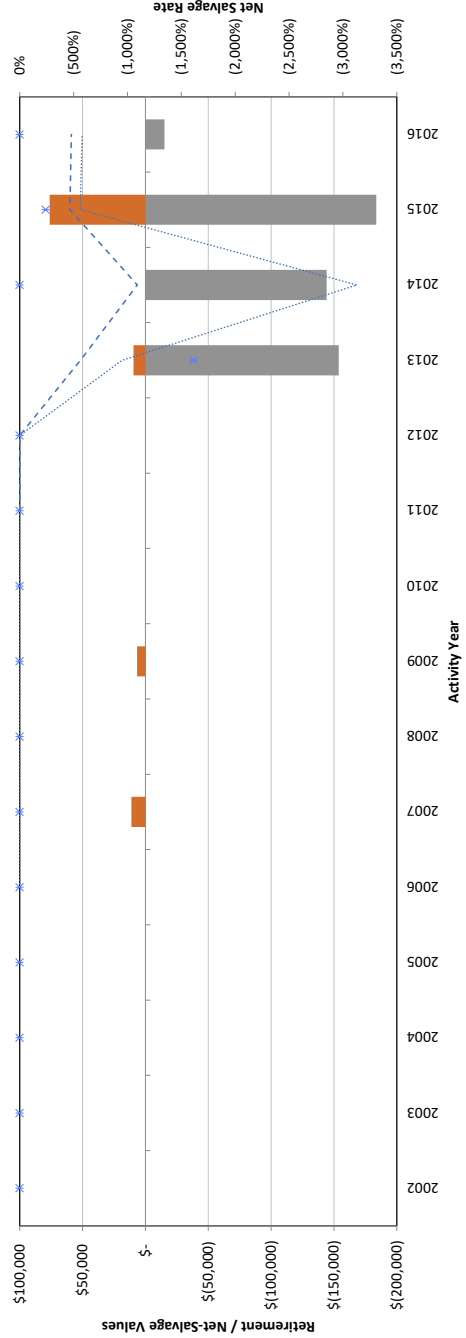
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G363.60-LNG Distrib Storg Eq
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2004	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2005	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2009	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2012	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2013	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-



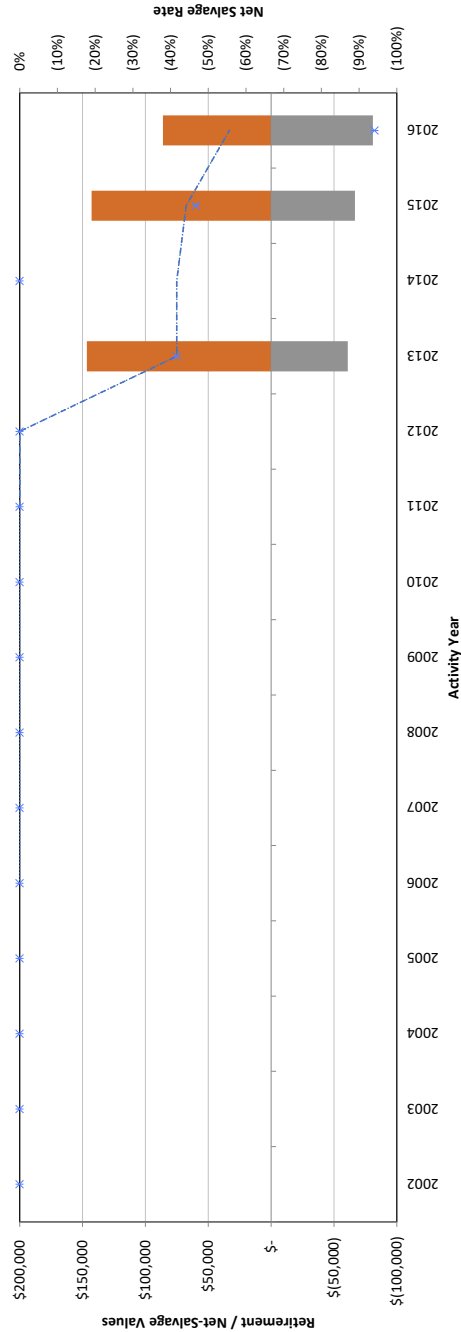
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G366-00-Struct and Land Imp.
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	11,135.00	-	11,135.00	-	-	-	-	-	-	-
2008	6,654.00	-	6,654.00	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	9,522.55	-	9,522.55	-	(153,785.69)	-	(153,785.69)	(1,614.9633%)	(950.6705%)	(563.0793%)
2014	-	-	-	-	(144,151.95)	-	(144,151.95)	(3,128.7590%)	(3,128.7590%)	(1,090.8851%)
2015	76,247.03	-	76,247.03	-	(183,723.61)	-	(183,723.61)	(240.9584%)	(561.5759%)	(465.1099%)
2016	-	-	-	-	(15,101.23)	-	(15,101.23)	(579.1826%)	(579.1826%)	(479.6922%)
	\$ 103,558.58	\$ -	\$ 103,558.58	\$ -	\$ (496,762.48)	\$ -	\$ (496,762.48)	(479.6922%)		



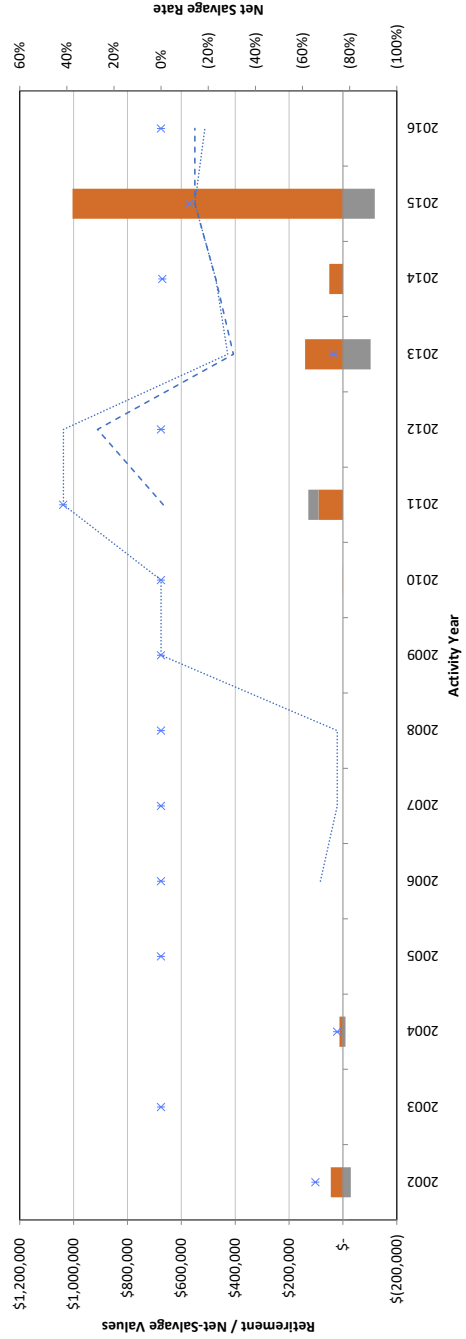
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G367.00-Mains
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Adjusted Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	(74,285.99)	74,285.99	-	-	-	-
2007	-	-	-	-	(62,013.00)	62,013.00	-	-	-	-
2008	1,489.00	(1,489.00)	-	-	4,300.00	(4,300.00)	-	-	-	-
2009	-	-	-	1,560.00	72,000.00	(73,560.00)	-	-	-	-
2010	-	-	-	-	(21,949.00)	21,949.00	-	-	-	-
2011	-	-	-	-	(77,147.00)	77,147.00	-	-	-	-
2012	-	-	-	-	(2,939,682.00)	2,939,682.00	-	-	-	-
2013	146,594.84	-	146,594.84	2,884.82	(926,734.51)	862,851.58	(60,998.11)	(41.6100%)	(41.6100%)	(41.6100%)
2014	-	-	-	-	(66,277.90)	66,277.90	-	-	(41.6100%)	(41.6100%)
2015	142,842.61	-	142,842.61	-	(472.17)	(66,277.90)	(66,750.07)	(46.7298%)	(44.1367%)	(44.1367%)
2016	86,106.24	-	86,106.24	-	(81,016.04)	-	(81,016.04)	(94.0885%)	(55.5899%)	(55.5899%)
	\$ 377,032.69	\$ (1,489.00)	\$ 375,543.69	\$ 4,444.82	\$ (4,173,277.61)	\$ 3,960,068.57	\$ (208,764.22)	(55.5899%)		



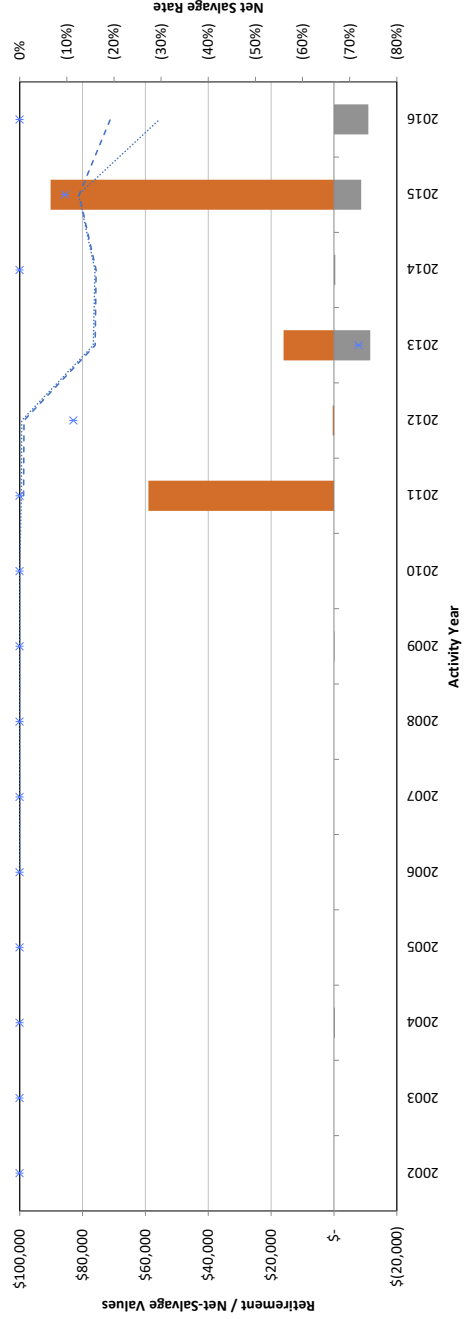
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G368.00-Compressor Statn Eq
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 44,953.93	\$ -	\$ 44,953.93	\$ 700.00	\$ (30,149.96)	\$ -	\$ (29,449.96)	(65.5114%)	-	-
2003	-	-	-	-	(10,290.78)	10,290.78	-	-	-	-
2004	12,913.90	-	12,913.90	4,000.00	(44,811.44)	31,161.33	(9,650.11)	(74.7265%)	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	(6,237.48)	6,237.48	-	-	(67.5679%)	-
2007	-	-	-	-	(10,650.00)	10,650.00	-	-	(74.7265%)	-
2008	-	-	-	-	(1,863.00)	1,863.00	-	-	(74.7265%)	-
2009	-	-	-	300.00	14,166.00	(14,466.00)	-	-	-	-
2010	136.00	-	136.00	60,050.00	(5,858.00)	(54,192.00)	-	-	-	-
2011	90,803.00	-	90,803.00	-	(16,492.00)	54,192.00	37,700.00	41.5185%	41.4564%	(0.9409%)
2012	-	-	-	-	(35,540.00)	35,540.00	-	-	41.4564%	27.0093%
2013	140,784.47	-	140,784.47	-	(67,540.94)	(35,540.00)	(103,080.94)	(73.2190%)	(28.2151%)	(30.6703%)
2014	50,860.13	-	50,860.13	-	-	-	(283.46)	(0.5573%)	(23.2372%)	(23.2372%)
2015	1,004,240.98	-	1,004,240.98	-	(283.46)	(118,462.84)	(118,462.84)	(11.7963%)	(14.3102%)	(14.3087%)
2016	-	-	-	-	(118,462.84)	118,462.84	-	-	(18.5492%)	(14.3087%)
	\$ 1,344,692.41	\$ -	\$ 1,344,692.41	\$ 65,050.00	\$ (334,013.90)	\$ 45,736.59	\$ (223,227.31)	(16.6006%)	-	-



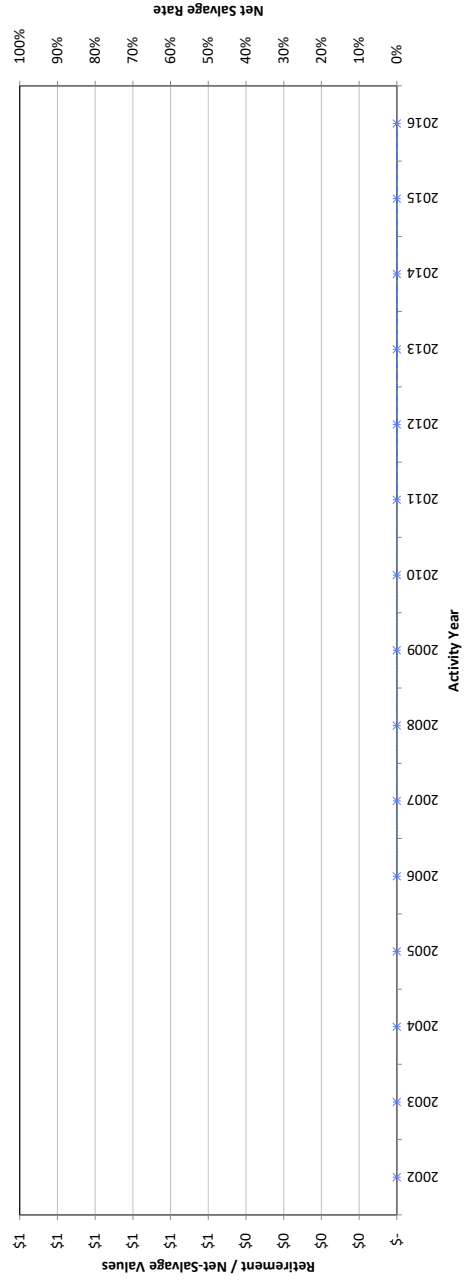
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G369.00-Meas & Reg Statn Eq
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	(4,482.39)	4,482.39	-	-	-	-
2004	-	-	-	-	(288.01)	-	(288.01)	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	(9,531.00)	9,531.00	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	(196.00)	-	(196.00)	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	59,054.00	-	59,054.00	-	-	-	-	-	(0.3319%)	(0.8195%)
2012	399.00	-	399.00	-	(1,456.00)	1,410.55	(45.45)	(11.3910%)	(0.4061%)	(0.8906%)
2013	16,049.28	-	16,049.28	-	(11,541.82)	-	(4,507.06)	(28.09%)	(15.6065%)	(15.9880%)
2014	-	-	-	-	(459.53)	-	(459.53)	-	(15.9555%)	(16.2151%)
2015	90,183.03	-	90,183.03	-	(8,635.82)	-	(8,635.82)	(9.5759%)	(12.4831%)	(12.6014%)
2016	-	-	-	-	(10,951.24)	-	(10,951.24)	-	(29.6666%)	(19.2110%)
	\$ 165,685.31	\$ -	\$ 165,685.31	\$ -	\$ (47,541.81)	\$ 15,423.94	\$ (32,117.87)	(19.3849%)		



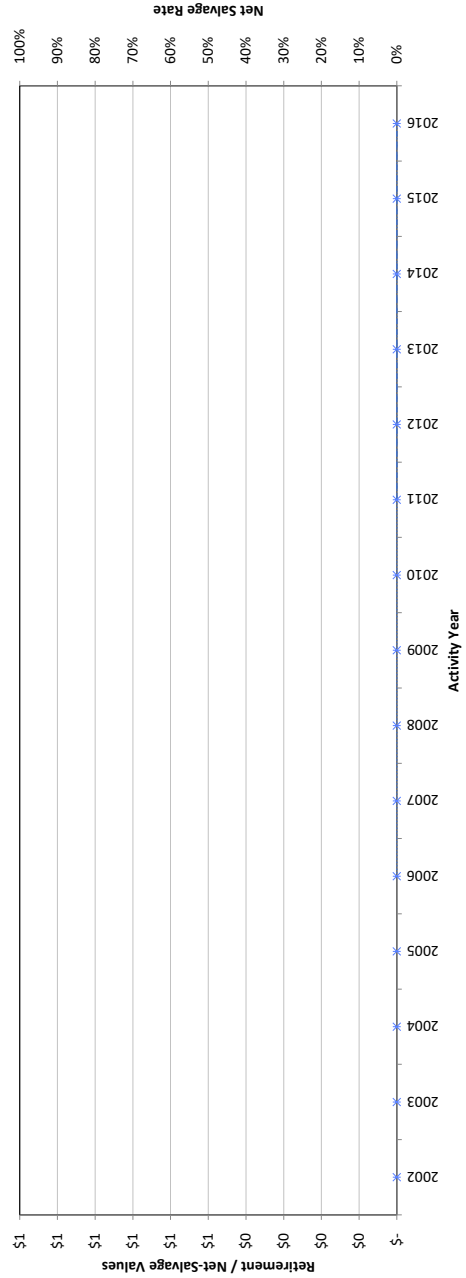
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G371.00-Other Equipment
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2004	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2005	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2009	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2012	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2013	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-



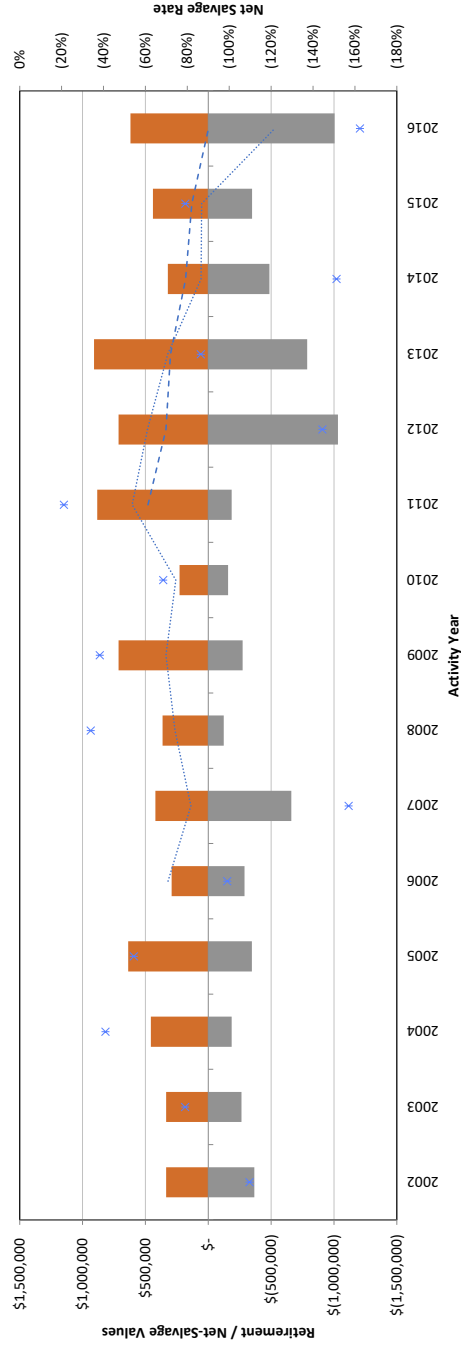
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G375.00-Struct & Imp
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2004	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2005	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2009	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2012	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2013	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-



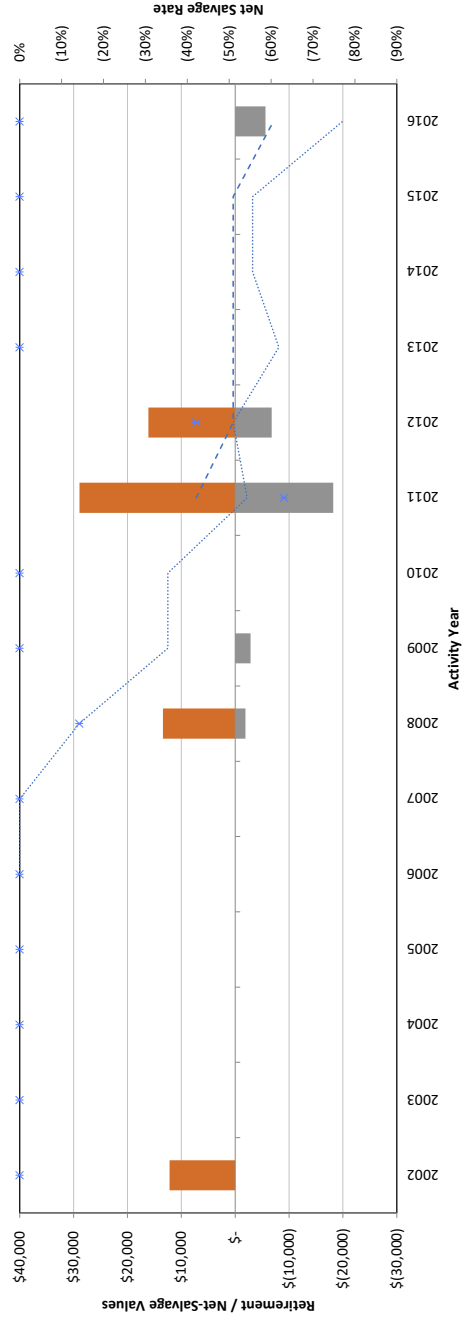
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G376.00-Mains
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 334,494.00	\$ -	\$ 334,494.00	\$ 5,364.05	\$ (372,291.76)	\$ -	\$ (366,927.71)	(109.6964%)		
2003	\$ 335,107.00	\$ -	\$ 335,107.00	\$ 35,465.00	\$ (300,236.36)	\$ -	\$ (264,771.36)	(79.0110%)		
2004	\$ 455,996.00	\$ -	\$ 455,996.00	\$ 32,002.16	\$ (218,677.97)	\$ -	\$ (186,675.81)	(40.9380%)		
2005	\$ 636,697.00	\$ -	\$ 636,697.00	\$ 26,068.74	\$ (372,803.93)	\$ -	\$ (346,735.19)	(54.4584%)		
2006	\$ 291,577.00	\$ -	\$ 291,577.00	\$ 15,503.36	\$ (304,333.99)	\$ -	\$ (288,830.63)	(99.0581%)	(70.7903%)	
2007	\$ 420,803.00	\$ -	\$ 420,803.00	\$ 40,772.00	\$ (701,791.00)	\$ -	\$ (661,019.00)	(157.0851%)	(81.6769%)	
2008	\$ 362,962.00	\$ -	\$ 362,962.00	\$ 32,515.00	\$ (155,679.00)	\$ -	\$ (123,164.00)	(33.9330%)	(74.0959%)	
2009	\$ 713,734.00	\$ -	\$ 713,734.00	\$ 3,256.00	\$ (276,474.00)	\$ -	\$ (273,218.00)	(38.2801%)	(69.7908%)	
2010	\$ 229,062.00	\$ -	\$ 229,062.00	\$ 15,196.00	\$ (172,119.00)	\$ -	\$ (156,923.00)	(68.5068%)	(74.4823%)	
2011	\$ 882,903.00	\$ -	\$ 882,903.00	\$ 43,697.00	\$ (229,970.00)	\$ -	\$ (186,273.00)	(21.0978%)	(53.6737%)	(61.2124%)
2012	\$ 713,472.00	\$ -	\$ 713,472.00	\$ 5,557.00	\$ (1,036,662.00)	\$ -	\$ (1,031,105.00)	(144.5193%)	(61.0132%)	(69.7837%)
2013	\$ 909,256.00	\$ -	\$ 909,256.00	\$ 173,122.93	\$ (959,389.58)	\$ -	\$ (786,266.65)	(86.4736%)	(70.5767%)	(71.9351%)
2014	\$ 321,241.08	\$ -	\$ 321,241.08	\$ 215,196.41	\$ (701,242.82)	\$ -	\$ (486,046.41)	(151.3027%)	(86.6057%)	(79.1648%)
2015	\$ 440,594.07	\$ -	\$ 440,594.07	\$ 142,500.08	\$ (2,142,986.11)	\$ 1,652,152.36	\$ (348,333.67)	(79.0600%)	(86.8571%)	(82.1321%)
2016	\$ 618,649.88	\$ -	\$ 618,649.88	\$ 102,013.02	\$ (1,107,131.22)	\$ -	\$ (1,005,118.20)	(162.4696%)	(121.7653%)	(90.1079%)
	\$ 7,666,548.03	\$ -	\$ 7,666,548.03	\$ 888,228.75	\$ (9,051,788.74)	\$ 1,652,152.36	\$ (6,511,407.63)	(84.9327%)		



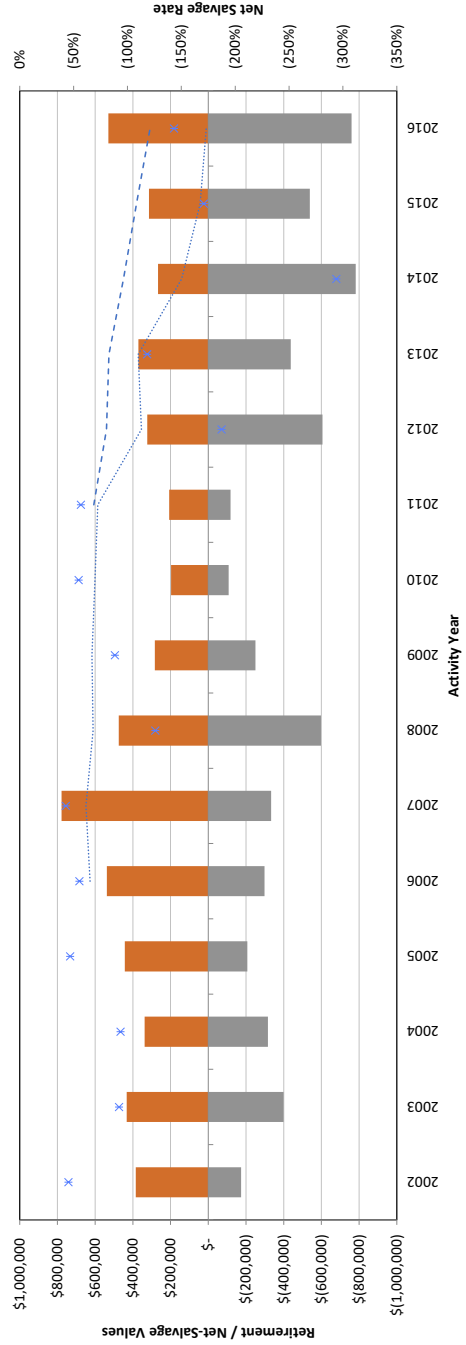
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G378-00-Meas & Reg Statn Eq
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 12,190.00	\$ -	\$ 12,190.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	13,408.00	-	13,408.00	-	(1,906.00)	-	(1,906.00)	(14.2154%)	(14.2154%)	(14.2154%)
2009	-	-	-	-	(2,835.00)	-	(2,835.00)	(35.3595%)	(35.3595%)	(35.3595%)
2010	-	-	-	-	-	-	-	-	-	-
2011	28,890.00	-	28,890.00	-	(18,215.00)	-	(18,215.00)	(63.0495%)	(54.2721%)	(42.1304%)
2012	16,097.00	-	16,097.00	-	(229,022.00)	222,240.27	(6,781.73)	(42.1304%)	(42.1304%)	(50.9251%)
2013	-	-	-	-	(19,952.66)	19,952.66	-	-	(61.8662%)	(50.9251%)
2014	-	-	-	-	(30,743.87)	30,743.87	-	-	(55.5643%)	(50.9251%)
2015	-	-	-	-	(27,426.96)	27,426.96	-	-	(55.5643%)	(50.9251%)
2016	\$ 70,585.00	\$ -	\$ 70,585.00	\$ -	(5,620.68)	-	(5,620.68)	(7.9770%)	(77.0480%)	(60.5504%)
	\$ 70,585.00	\$ -	\$ 70,585.00	\$ -	(335,722.17)	\$ 300,363.76	\$ (35,358.41)	(50.0934%)	(50.0934%)	(50.0934%)



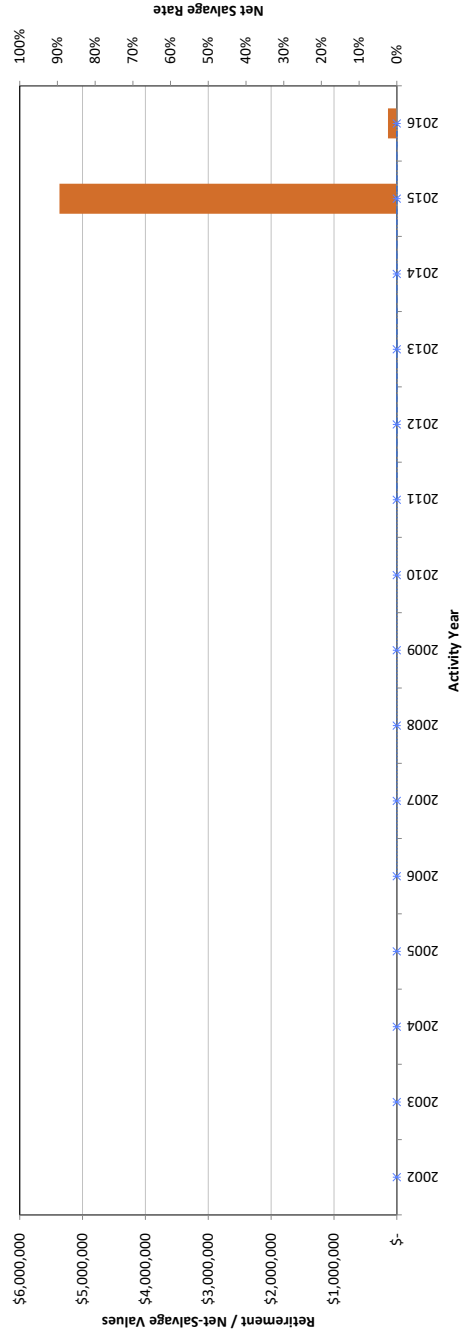
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G380.00-Services
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 384,619.00	\$ -	\$ 384,619.00	\$ -	\$ (174,188.14)	\$ -	\$ (174,188.14)	(45.2885%)		
2003	432,963.00	-	432,963.00	-	(399,464.62)	-	(399,464.62)	(92.2630%)		
2004	337,275.00	-	337,275.00	-	(316,216.01)	-	(316,216.01)	(93.7561%)		
2005	442,918.00	-	442,918.00	-	(207,296.81)	-	(207,296.81)	(46.8025%)		
2006	538,198.00	-	538,198.00	-	(298,341.44)	-	(298,341.44)	(55.4334%)	(65.3336%)	
2007	777,815.00	-	777,815.00	-	(333,426.00)	-	(333,426.00)	(42.8670%)	(61.4726%)	
2008	474,539.00	-	474,539.00	-	(597,299.00)	-	(597,299.00)	(125.8693%)	(68.1740%)	
2009	283,543.00	-	283,543.00	-	(250,495.00)	-	(250,495.00)	(88.3446%)	(67.0183%)	
2010	197,848.00	-	197,848.00	-	(108,258.00)	-	(108,258.00)	(54.7178%)	(69.8882%)	
2011	207,789.00	-	207,789.00	-	(118,280.00)	-	(118,280.00)	(56.9231%)	(72.5075%)	(68.7495%)
2012	323,166.00	-	323,166.00	-	(605,683.00)	-	(605,683.00)	(187.4216%)	(112.9889%)	(80.5457%)
2013	370,209.00	-	370,209.00	-	(437,954.33)	-	(437,954.33)	(118.2992%)	(109.9899%)	(82.7979%)
2014	266,038.53	-	266,038.53	-	(782,127.21)	-	(782,127.21)	(293.9902%)	(150.3463%)	(96.3189%)
2015	314,984.88	-	314,984.88	-	(538,358.21)	-	(538,358.21)	(170.9156%)	(167.4824%)	(108.4198%)
2016	529,982.86	-	529,982.86	-	(759,466.12)	-	(759,466.12)	(143.3001%)	(173.1114%)	(120.9677%)
	\$ 5,881,888.27	\$ -	\$ 5,881,888.27	\$ -	\$ (5,926,853.89)	\$ -	\$ (5,926,853.89)	(100.7645%)		



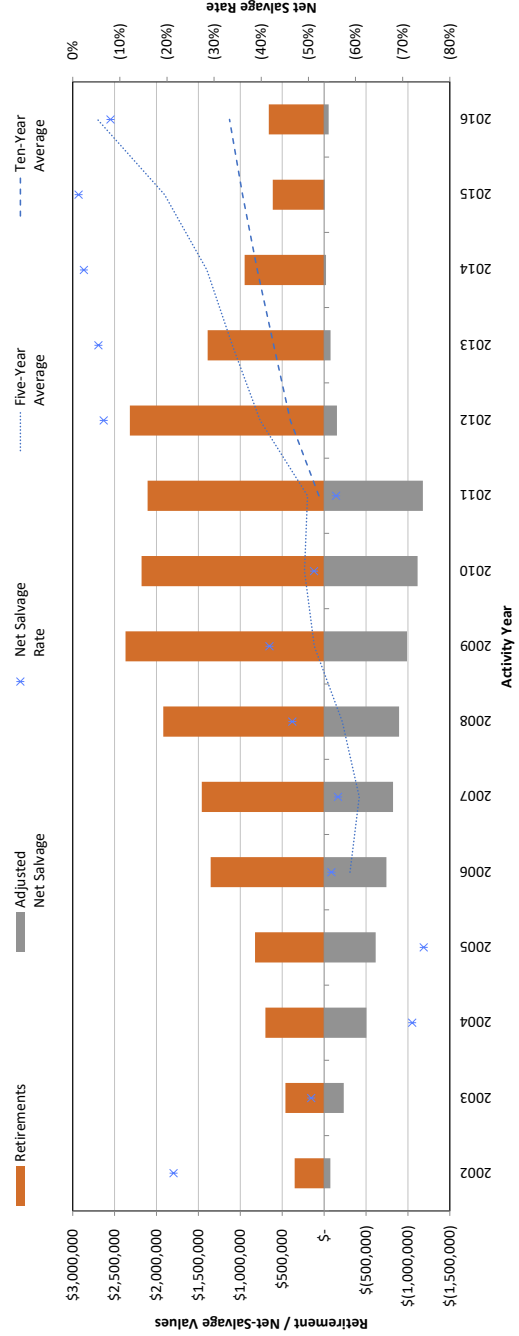
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G381/G382.01-Meters-Regs-Mods-Installs
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	5,366,027.97	-	5,366,027.97	-	-	-	-	-	-	-
2016	138,870.17	-	138,870.17	-	-	-	-	-	-	-
	\$ 5,504,898.14	\$ -	\$ 5,504,898.14	\$ -	\$ -	\$ -	\$ -	-	-	-



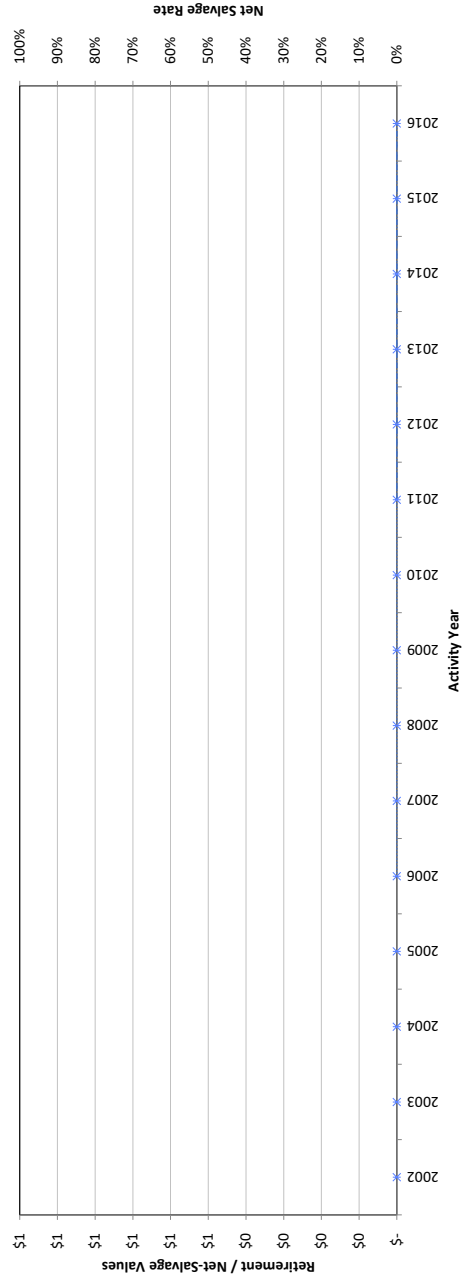
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G382.00-Meter & Reg Installs
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)/(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 352,291.00	\$ -	\$ 352,291.00	\$ -	\$ (400,223.32)	\$ 324,739.02	\$ (75,484.30)	(21.4267%)		
2003	462,193.00	-	462,193.00	-	(488,479.24)	254,501.74	(233,977.50)	(50.6233%)		
2004	700,928.00	-	700,928.00	-	(505,039.25)	-	(505,039.25)	(72.0529%)		
2005	825,100.00	-	825,100.00	-	(614,726.42)	-	(614,726.42)	(74.5033%)		
2006	1,353,987.00	-	1,353,987.00	-	(743,427.47)	-	(743,427.47)	(54.9065%)	(58.8078%)	
2007	1,459,134.00	-	1,459,134.00	-	(821,390.00)	-	(821,390.00)	(56.2930%)	(60.7864%)	
2008	1,919,229.00	-	1,919,229.00	-	(894,177.00)	-	(894,177.00)	(46.5904%)	(57.1835%)	
2009	2,369,993.00	-	2,369,993.00	-	(989,414.00)	-	(989,414.00)	(41.7475%)	(51.2540%)	
2010	2,177,572.00	-	2,177,572.00	-	(1,115,028.00)	-	(1,115,028.00)	(51.2051%)	(49.1754%)	
2011	2,107,436.00	-	2,107,436.00	-	(1,178,096.00)	-	(1,178,096.00)	(55.9019%)	(49.8148%)	(52.2351%)
2012	2,317,439.00	-	2,317,439.00	-	(152,525.00)	-	(152,525.00)	(6.5816%)	(39.7482%)	(46.1849%)
2013	1,390,571.00	-	1,390,571.00	-	(75,917.25)	-	(75,917.25)	(5.4594%)	(33.8799%)	(42.6543%)
2014	949,032.45	-	949,032.45	-	(22,484.66)	-	(22,484.66)	(2.3692%)	(28.4504%)	(39.1665%)
2015	612,855.96	-	612,855.96	-	(7,848.43)	-	(7,848.43)	(1.2806%)	(19.4768%)	(36.0222%)
2016	660,370.07	-	660,370.07	-	(53,055.27)	-	(53,055.27)	(8.0342%)	(5.2583%)	(33.2627%)
	\$ 19,658,131.48	\$ -	\$ 19,658,131.48	\$ -	\$ (8,061,831.31)	\$ 579,240.76	\$ (7,482,590.55)	(38.0636%)		



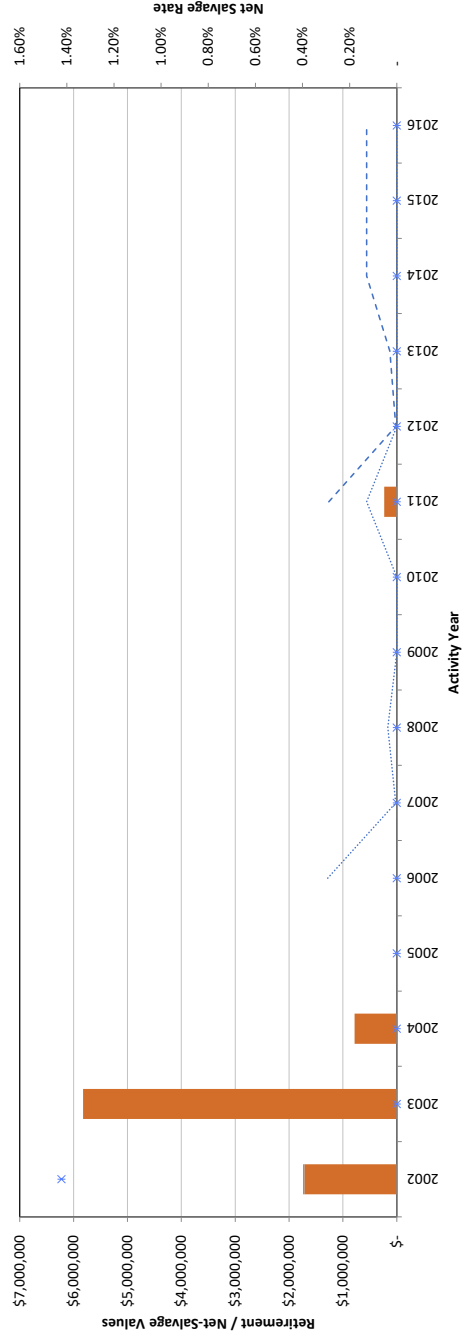
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G385.00-Ind Meas & Reg St Eq
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Adjusted Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	(2,988.72)	2,988.72	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	\$ -	\$ -	\$ -	\$ -	(2,988.72)	2,988.72	\$ -	-	-	-



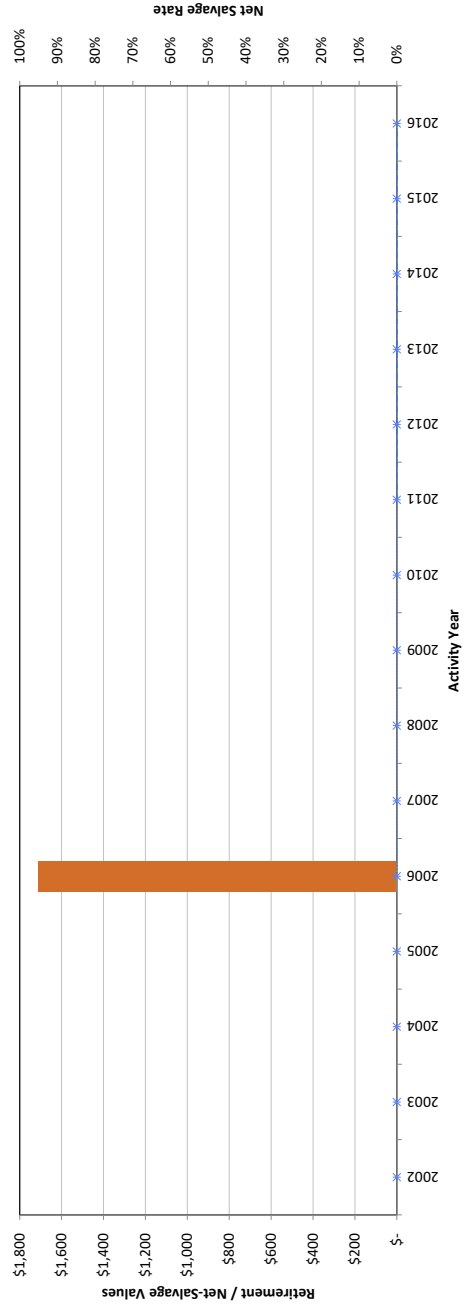
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G387.XX-Other Equipment
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 1,716,150.00	\$ -	\$ 1,716,150.00	\$ 24,408.00	\$ -	\$ -	\$ 24,408.00	1.4223%		
2003	5,823,426.00	-	5,823,426.00	-	-	-	-	-		
2004	784,883.00	-	784,883.00	-	-	-	-	-		
2005	-	-	-	-	-	-	-	-		
2006	-	-	-	-	-	-	-	-	0.2932%	
2007	-	-	-	300.00	-	-	300.00	-	0.0045%	
2008	-	-	-	-	-	-	-	-	0.0382%	
2009	-	-	-	-	-	-	-	-	-	
2010	-	-	-	-	-	-	-	-	-	
2011	234,041.00	-	234,041.00	-	-	-	-	-	0.1282%	0.2887%
2012	-	-	-	-	-	-	-	-	-	0.0044%
2013	-	-	-	-	-	-	-	-	-	0.0294%
2014	-	-	-	-	-	-	-	-	-	0.1282%
2015	-	-	-	-	-	-	-	-	-	0.1282%
2016	-	-	-	-	-	-	-	-	-	0.1282%
	\$ 8,558,500.00	\$ -	\$ 8,558,500.00	\$ 24,708.00	\$ -	\$ -	\$ 24,708.00	0.2887%		



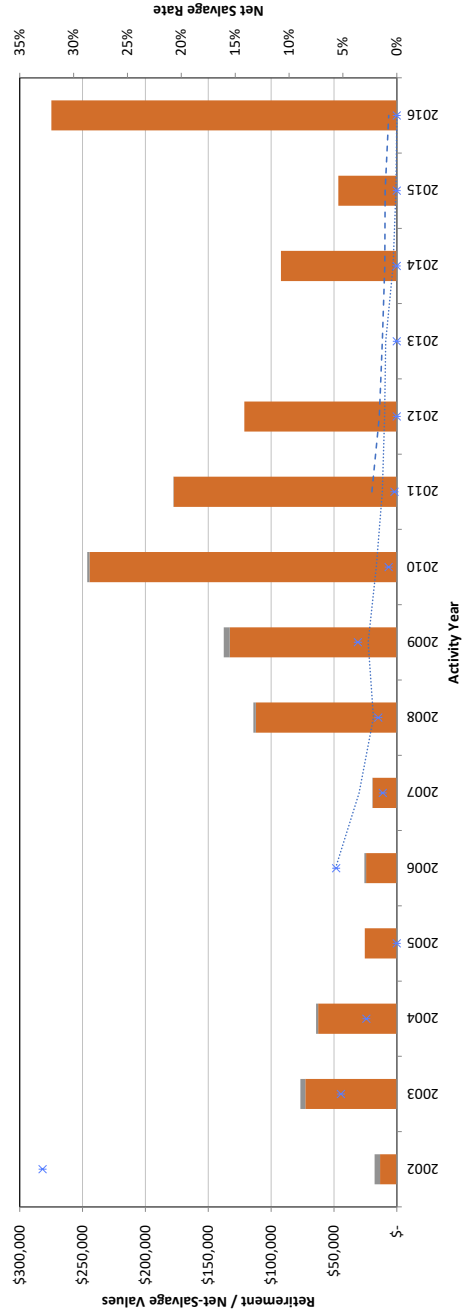
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G392.20-Transprtn Eq-Trailer
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	1,709.00	-	1,709.00	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	1,709.00	-	1,709.00	-	-	-	-	-	-	-
	\$ 1,709.00	\$ -	\$ 1,709.00	\$ -	\$ -	\$ -	\$ -	-	-	-



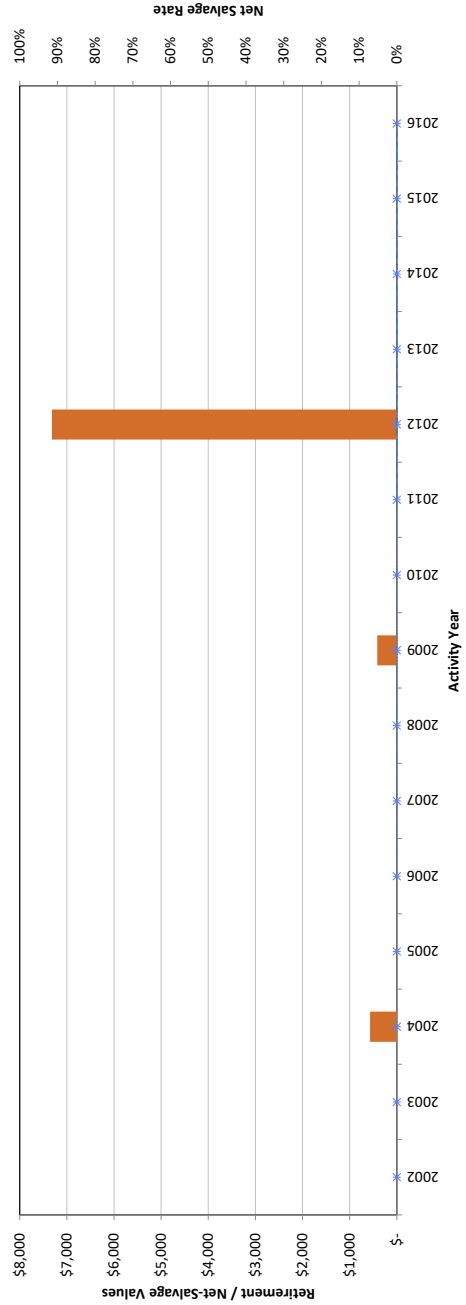
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G394.10-Portable Tools
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H)÷(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 13,327.00	\$ -	\$ 13,327.00	\$ 4,380.00	\$ -	\$ -	\$ 4,380.00	32.8656%		
2003	72,879.00	-	72,879.00	3,776.00	-	-	3,776.00	5.1812%		
2004	62,534.00	-	62,534.00	1,762.00	-	-	1,762.00	2.8177%		
2005	25,439.00	-	25,439.00	-	-	-	-	-		
2006	24,468.00	-	24,468.00	1,375.00	-	-	1,375.00	5.6196%	5.6850%	
2007	19,228.00	-	19,228.00	250.00	-	-	250.00	1.3002%	3.5019%	
2008	112,207.00	-	112,207.00	1,921.00	-	-	1,921.00	1.7120%	2.1765%	
2009	132,948.00	-	132,948.00	4,783.00	-	-	4,783.00	3.5976%	2.6501%	
2010	244,422.00	-	244,422.00	1,841.00	-	-	1,841.00	0.7532%	1.9071%	
2011	177,465.00	-	177,465.00	375.00	-	-	375.00	0.2113%	1.3362%	2.3124%
2012	121,341.00	-	121,341.00	-	-	-	-	-	1.1314%	1.6198%
2013	-	-	-	-	-	-	-	-	1.0351%	1.3376%
2014	92,117.21	-	92,117.21	-	-	-	-	-	0.3488%	1.1104%
2015	46,531.73	-	46,531.73	-	-	-	-	-	0.0857%	1.0863%
2016	274,786.48	-	274,786.48	-	-	-	-	-	-	0.7510%
	\$ 1,419,693.42	\$ -	\$ 1,419,693.42	\$ 20,463.00	\$ -	\$ -	\$ 20,463.00	1.4414%		



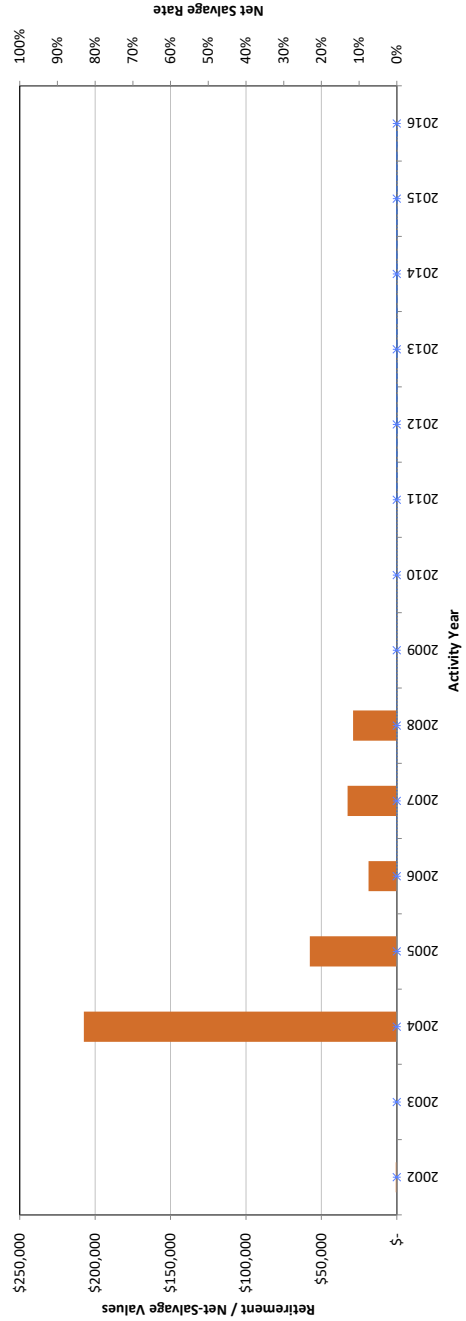
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G394, 20-Shop Equipment
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	567.00	-	567.00	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	416.00	-	416.00	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	7,317.00	-	7,317.00	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	8,300.00	-	8,300.00	-	-	-	-	-	-	-



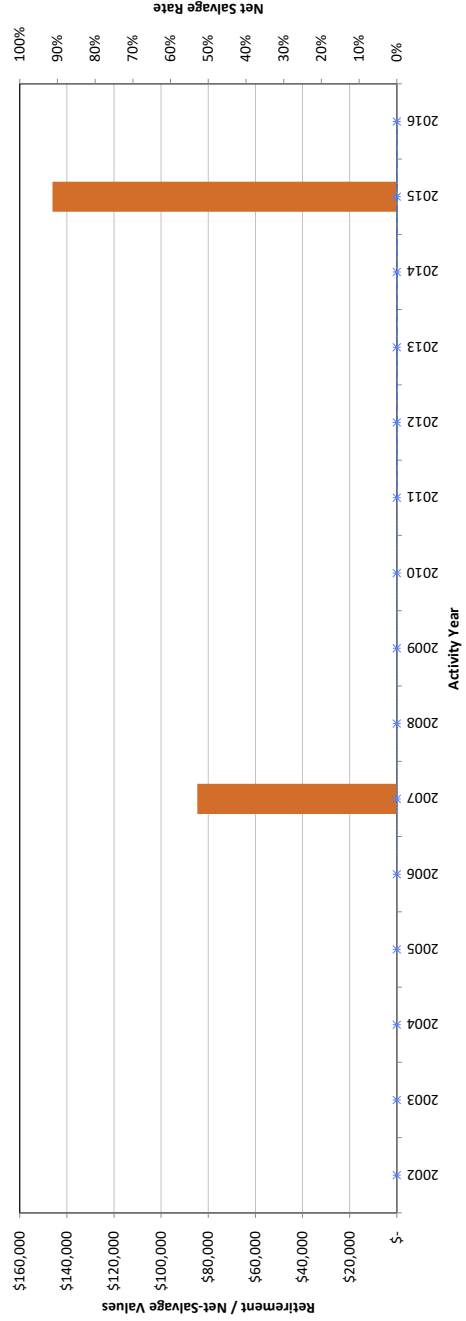
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G395.00-Laboratory Equipment
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 710.00	\$ -	\$ 710.00	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	\$ -	-	-	-
2004	207,527.00	-	207,527.00	-	-	-	-	-	-	-
2005	57,613.00	-	57,613.00	-	-	-	-	-	-	-
2006	18,796.00	-	18,796.00	-	-	-	-	-	-	-
2007	32,655.00	-	32,655.00	-	-	-	-	-	-	-
2008	29,064.00	-	29,064.00	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
	\$ 346,365.00	\$ -	\$ 346,365.00	\$ -	\$ -	\$ -	\$ -	-	-	-



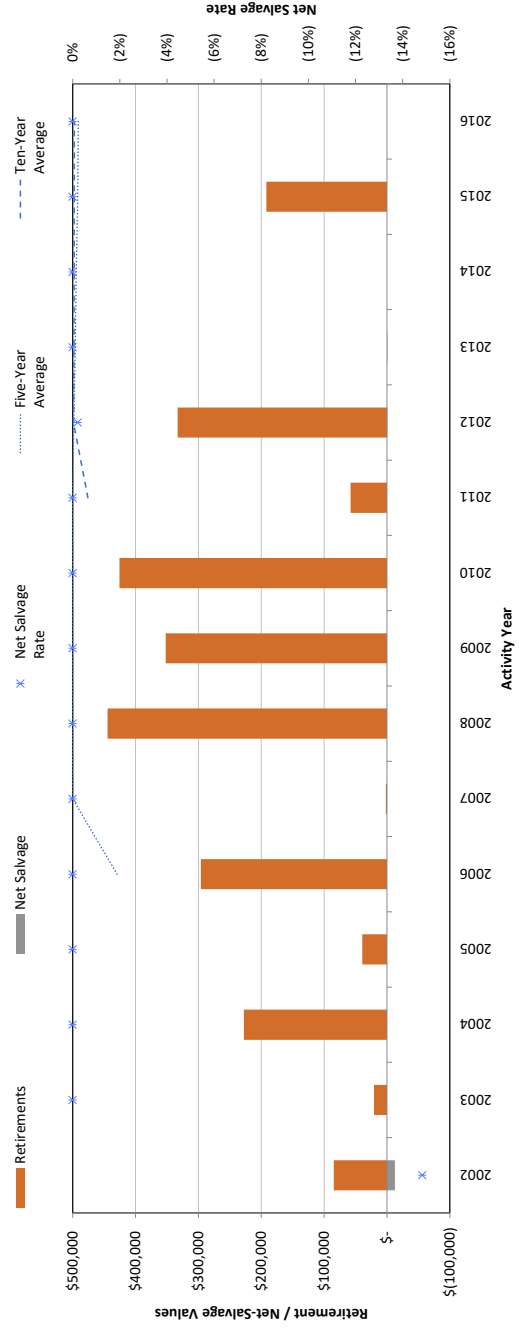
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G396.00-Power Operated Eq.
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-
2007	84,655.00	-	84,655.00	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	146,122.00	-	146,122.00	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
	\$ 230,777.00	\$ -	\$ 230,777.00	\$ -	\$ -	\$ -	\$ -	-	-	-



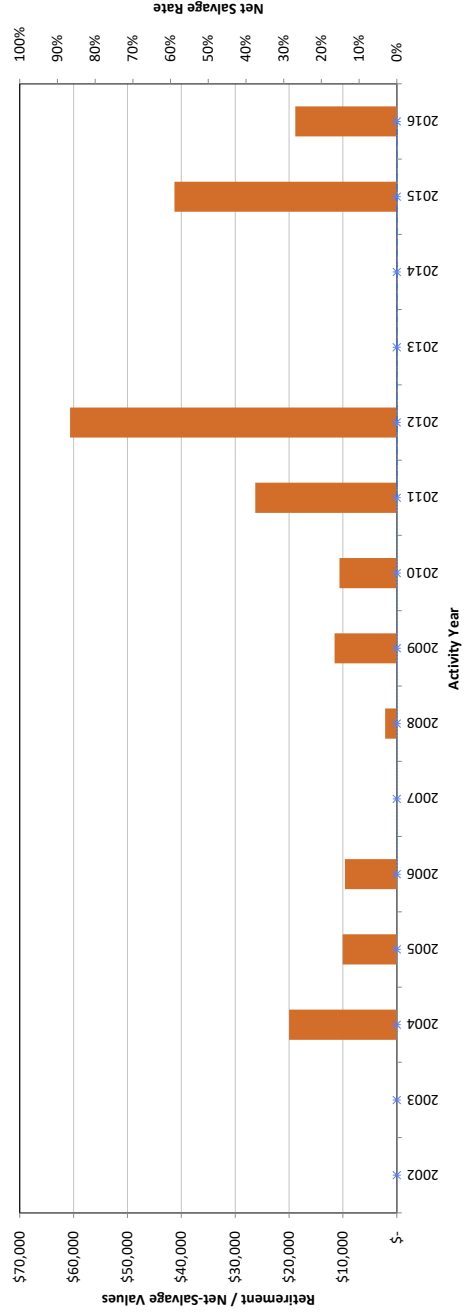
SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G397.00-Communication Equip.
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ 84,765.00	\$ -	\$ 84,765.00	\$ -	\$ (12,574.45)	\$ -	\$ (12,574.45)	(14.8345%)		
2003	20,560.00	-	20,560.00	-	-	-	-			
2004	227,784.00	-	227,784.00	-	-	-	-			
2005	39,224.00	-	39,224.00	-	-	-	-			
2006	296,254.00	-	296,254.00	-	-	-	-		(1.8807%)	
2007	1,764.00	-	1,764.00	-	-	-	-			
2008	444,586.00	-	444,586.00	-	-	-	-			
2009	351,921.00	-	351,921.00	-	-	-	-			
2010	425,605.00	-	425,605.00	-	-	-	-			
2011	57,893.00	-	57,893.00	-	-	-	-			(0.6447%)
2012	333,236.00	-	333,236.00	-	(701.00)	-	(701.00)	(0.2104%)	(0.0435%)	(0.0319%)
2013	-	-	-	-	(524.18)	-	(524.18)		(0.1048%)	(0.0562%)
2014	-	-	-	-	-	-	-		(0.1500%)	(0.0628%)
2015	191,851.59	-	191,851.59	-	-	-	-		(0.2102%)	(0.0583%)
2016	-	-	-	-	(13,799.63)	-	(13,799.63)		(0.2333%)	(0.0678%)
	\$ 2,475,443.59	\$ -	\$ 2,475,443.59	\$ -	\$ (13,799.63)	\$ -	\$ (13,799.63)	(0.5575%)		



SAN DIEGO GAS & ELECTRIC COMPANY
Observed Net Salvage Activity - G398.00-Misc. Equipment
for the Recorded Year ended December 31, 2016

Activity Year (A)	Retirements (B)	Retirement Adjustments (C)	Retirements (D)=(B)+(C)	Salvage Value (E)	Cost of Removal (F)	Net Salvage Adjustments (G)	Net Salvage (H)=(E)+(F)+(G)	Net Salvage Rate (I)=(H):(D)	Five-Year Average (J)	Ten-Year Average (K)
2002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
2003	-	-	-	-	-	-	-	-	-	-
2004	19,996.00	-	19,996.00	-	-	-	-	-	-	-
2005	10,043.00	-	10,043.00	-	-	-	-	-	-	-
2006	9,630.00	-	9,630.00	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-
2008	2,161.00	-	2,161.00	-	-	-	-	-	-	-
2009	11,553.00	-	11,553.00	-	-	-	-	-	-	-
2010	10,643.00	-	10,643.00	-	-	-	-	-	-	-
2011	26,270.00	-	26,270.00	-	-	-	-	-	-	-
2012	60,656.00	-	60,656.00	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-
2015	41,268.05	-	41,268.05	-	-	-	-	-	-	-
2016	18,846.91	-	18,846.91	-	-	-	-	-	-	-
	\$ 211,066.96	\$ -	\$ 211,066.96	\$ -	\$ -	\$ -	\$ -	-	-	-



SAN DIEGO GAS & ELECTRIC COMPANY
Generation of FNS% from S&L Decommissioning Study
Cuyamaca Peak Energy Plant

Depreciation Account	a		b		$e_i = c \frac{b_i}{\sum b_i}$		$f = b + e$		$g = -\frac{f}{a}$	
	Accumulated Cost	S&L Direct Assignment	S&L Indirect Assignment	S&L Net Allocation	FNS Rate					
E341.00-Struct and Improv -CPEP	\$ 1,865,081.16	\$ 341,467.00	\$ 33,116.71	\$ 374,583.71	(20.0840%)					
E342.00-Fuel Holders P&A -CPEP	583,293.51	30,715.00	2,978.85	33,693.85	(5.7765%)					
E343.00-Prime Movers-CPEP	9,985,625.43	-	-	-	-					
E344.00-Generators-CPEP	1,972,752.53	187,836.00	18,217.02	206,053.02	(10.4450%)					
E345.00-Access Elect Eq -CPEP	833,676.56	126,572.00	12,275.41	138,847.41	(16.6548%)					
E346.00-Misc Power Plnt Eq -CPEP	714,712.99	-	-	-	-					
	<u>\$ 15,955,142.00</u>	<u>686,590.00</u>	<u>\$ 66,587.99</u>	<u>\$ 753,177.99</u>	<u>(4.7206%)</u>					
(c) S&L Indirect Assignment		66,588.00	Check Figure:	753,178.00						
(d) S&L Total Cost Estimate		<u>\$ 753,178.00</u>	Rounding Delta:	(0.01)						

SAN DIEGO GAS & ELECTRIC COMPANY
Generation of FNS% from S&L Decommissioning Study
Desert Star Energy Center

Depreciation Account	a		b		$e_i = c \frac{b_i}{\sum b_i}$		$f = b + e$		$g = -\frac{f}{a}$	
	Accumulated Cost	S&L Direct Assignment	S&L Indirect Assignment	S&L Net Allocation	FNS Rate					
E311.00-Struct and Improv -DSEC	\$ 29,030,623.33	\$ 3,526,996.00	\$ 160,538.66	\$ 3,687,534.66	12.7022%					
E312.00-Boiler Plant Equip-DSEC	50,816,508.89	2,489,268.00	113,304.28	2,602,572.28	5.1215%					
E314.00-Turbogenerator Unit-DSEC	14,404,853.68	1,735,415.00	78,991.07	1,814,406.07	12.5958%					
E315.00-Access Elect Eq -DSEC	46,289,403.14	43,983.00	2,001.98	45,984.98	0.0993%					
E316.00-Misc Power Plnt Eq -DSEC	4,645,748.02	37,355.00	1,700.29	39,055.29	0.8407%					
E341.00-Struct and Improv -DSEC	1,751,015.10	617,863.00	28,123.34	645,986.34	36.8921%					
E342.00-Fuel Holders P&A -DSEC	594,393.17	164,869.00	7,504.36	172,373.36	28.9999%					
E343.00-Prime Movers-DSEC	24,346,703.64	-	-	-	-					
E344.00-Generators-DSEC	108,118,593.28	516,053.00	23,489.24	539,542.24	0.4990%					
E345.00-Access Elect Eq -DSEC	9,194,214.31	(496,763.00)	(22,611.21)	(519,374.21)	(5.6489%)					
E346.00-Misc Power Plnt Eq -DSEC	22,341,824.96	-	-	-	-					
(c) S&L Indirect Assignment	\$ 311,533,881.52	8,635,039.00	\$ 393,042.01	\$ 9,028,081.01	2.8979%					
(d) S&L Total Cost Estimate		\$ 393,042.00	Check Figure:	9,028,081.00	0.01					
		\$ 9,028,081.00	Rounding Delta:							

SAN DIEGO GAS & ELECTRIC COMPANY
Generation of FNS% from S&L Decommissioning Study
Miramar Energy Facility

	a	b	$e_i = c \frac{b_i}{\sum b_i}$	$f = b + e$	$g = \frac{f}{a}$
Depreciation Account	Accumulated Cost	S&L Direct Assignment	S&L Indirect Assignment	S&L Net Allocation	FNS Rate
E341.00-Struct and Improv -Miramar	\$ 5,075,863.44	\$ 367,751.00	\$ 28,123.37	\$ 395,874.37	7.7992%
E342.00-Fuel Holders P&A -Miramar	5,232,870.11	163,494.00	12,503.03	175,997.03	3.3633%
E343.00-Prime Movers-Miramar	53,361,935.44	-	-	-	-
E344.00-Generators-Miramar	19,735,850.40	551,603.00	42,183.26	593,786.26	3.0087%
E345.00-Access Elect Eq -Miramar	13,456,923.11	155,469.00	11,889.33	167,358.33	1.2437%
E346.00-Misc Power Plnt Eq -Miramar	3,116,323.39	-	-	-	-
	<u>\$ 99,979,765.89</u>	<u>1,238,317.00</u>	<u>\$ 94,698.99</u>	<u>\$ 1,333,015.99</u>	<u>1.3333%</u>
(c) S&L Indirect Assignment		94,699.00	Check Figure:	1,333,016.00	
(d) S&L Total Cost Estimate		<u>\$ 1,333,016.00</u>	Rounding Delta:	(0.01)	

SAN DIEGO GAS & ELECTRIC COMPANY
Generation of FNS% from S&L Decommissioning Study
Palomar Energy Center

Depreciation Account	a		b		$e_i = c \frac{b_i}{\sum b_i}$		$f = b + e$		$g = -\frac{f}{a}$	
	Accumulated Cost	S&L Direct Assignment	S&L Indirect Assignment	S&L Net Allocation	FNS Rate					
E311.00-Struct and Improv -Palomar	\$ 58,580,076.73	\$ 1,807,776.00	\$ 82,774.03	\$ 1,890,550.03	3.2273%					
E312.00-Boiler Plant Equip -Palomar	106,700,146.62	3,301,212.00	151,155.13	3,452,367.13	3.2356%					
E314.00-Turbogenerator Unit-Palomar	116,387,362.29	2,199,315.00	100,701.73	2,300,016.73	1.9762%					
E315.00-Access Elect Eq -Palomar	37,254,067.11	159,545.00	7,305.21	166,850.21	0.4479%					
E316.00-Misc Power Plnt Eq-Palomar	42,075,090.04	143,519.00	6,571.41	150,090.41	0.3567%					
E341.00-Struct and Improv -Palomar	14,011,464.22	618,864.00	28,336.40	647,200.40	4.6191%					
E342.00-Fuel Holders P & A-Palomar	14,913,944.00	290,470.00	13,299.97	303,769.97	2.0368%					
E343.00-Prime Movers-Palomar	-	-	-	-	-					
E344.00-Generators-Palomar	171,185,251.98	1,390,513.00	63,668.49	1,454,181.49	0.8495%					
E345.00-Access Elect Eq-Palomar	6,710,403.41	(276,152.00)	(12,644.38)	(288,796.38)	(4.3037%)					
E346.00-Misc Power Plnt Eq -Palomar	859.19	-	-	-	-					
(c) S&L Indirect Assignment	\$ 567,818,665.59	9,635,062.00	\$ 441,167.99	\$ 10,076,229.99	1.7746%					
		441,168.00	Check Figure:	10,076,230.00						
(d) S&L Total Cost Estimate		\$ 10,076,230.00	Rounding Delta:	(0.01)						

San Diego Gas & Electric Company
2019 GRC - APP

SAN DIEGO GAS & ELECTRIC COMPANY
Generation of FNS% from S&L Decommissioning Study
E363.00-Batteries - Storage

Rate Case Cycle 2019GRC
Rate Type Curve SQ
Average Service Life 10
Future Net Removal Rate 15.00%

Site Index [†]	Capacity (kW)	Energy (kW)	Estimated Net Removal Costs		Net	Posted	Project Costs		Estimated FNR%	PowerPlan CPR Details @ March 9, 2017			
			Direct	Indirect			Authorized	for Analysis		Gross Value	Wtd. Avg. Age	Expectancy	Est. Net Removal
Matched Projects													
Borrego Springs	1,575.0	4,650.0	\$ 502,789	\$ 86,465	\$ 589,254	\$ 5,578,426	\$ 7,772,721	\$ 7,181,271	8.21%	\$ 7,134,485	2.38	7.62	\$ 1,070,173
Caltrans Park-N-Ride	200.0	400.0	50,901	10,085	60,986	-	796,527	-	-	-	-	-	-
Canyon Crest	1,000.0	3,000.0	280,478	42,742	323,220	6,422,972	6,362,169	6,422,972	5.03%	6,422,972	1.67	8.33	963,446
Civita Micogrid	125.0	200.0	26,883	5,327	32,210	334,143	2,090,498	2,424,641	1.33%	317,774	0.75	9.25	47,666
Clairemont	25.0	72.0	11,101	2,201	13,302	157,295	212,177	157,295	8.46%	157,295	2.83	7.17	23,594
El Cajon	7,500.0	30,000.0	3,618,434	551,954	4,170,388	14,180,740	17,450,342	18,003,333	23.16%	14,763,452	0.17	9.83	2,214,518
Escondido	30,000.0	120,000.0	10,912,602	1,663,440	12,576,042	50,782,186	63,220,447	64,565,472	19.48%	-	-	-	-
Mission Valley	25.0	72.0	11,101	2,201	13,302	241,193	276,528	241,193	5.52%	241,193	2.83	7.17	36,179
Ortega Highway	2,000.0	6,000.0	471,316	71,764	543,080	8,127,373	6,531,362	8,127,373	6.68%	8,127,373	1.67	8.33	1,219,106
Pala	1,500.0	3,500.0	301,497	53,287	354,784	4,363,935	2,641,543	4,363,935	8.13%	4,363,935	3.50	6.50	654,590
Poway	25.0	72.0	11,101	2,201	13,302	157,295	222,210	157,295	8.46%	157,295	2.83	7.17	23,594
San Diego Zoo	100.0	130.0	17,448	3,458	20,906	65,688	61,528	65,688	31.83%	65,688	1.25	8.75	9,853
San Miguel	2,150.0	8,000.0	325,393	69,801	395,194	6,038,712	6,975,974	6,038,712	6.54%	6,038,712	1.67	8.33	905,807
Santa Ysabel Substation	36.0	47.0	11,089	2,200	13,289	217,215	-	217,215	6.12%	478,863	3.50	6.50	71,829
	46,261.0	176,143.0	16,552,133	2,567,126	19,119,259	96,667,173	114,614,026	117,966,395	16.21%	48,269,037	1.50	8.50	7,240,355
Non-Matched Projects													
Century Park	50.0	82.0	12,230	2,425	14,655	-	-	-	-	-	-	-	-
Del Lago Academy	100.0	200.0	26,883	5,327	32,210	-	-	-	-	-	-	-	-
Energy Innovation Center	14.5	20.7	7,304	1,450	8,754	-	-	-	-	-	-	-	-
Expedited Storage Procurement	-	-	-	-	-	955,981	-	955,981	-	-	-	-	-
Falbrook	-	-	-	-	-	366,922	-	366,922	-	-	-	-	-
ITF (OPRA)	200.0	400.0	50,901	10,085	60,986	-	-	-	-	-	-	-	-
Julian Substation	-	-	-	-	-	4,407,479	-	4,407,479	-	4,619,624	1.67	8.33	692,944
Miramar	-	-	-	-	-	244,615	-	244,615	-	80,835	-	-	12,125
Miscellaneous AES/DER Project(s)	18.0	32.1	6,176	1,225	7,401	1,784,781	-	1,784,781	-	-	-	-	-
San Diego State University	6.0	10.7	4,037	802	4,839	-	-	-	-	56,840	3.32	6.68	8,526
University of California	388.5	745.5	107,531	21,314	128,845	7,148,241	8,026,704	7,759,778	1.66%	4,757,299	1.68	8.32	713,595
	46,649.5	176,888.5	16,659,664	2,588,440	19,248,104	103,815,414	122,640,730	125,726,173	15.31%	53,026,336	1.52	8.48	7,953,950

San Diego Gas & Electric Company
2019 GRC - APP

2019 GRC - Depreciation Study - Workpaper - FNR Study: Photovoltaic (PV) Sites
Purpose: Summary of FNR Study - Photovoltaic (PV) Sites
Preparer: Matthew C. Vanderbilt

Identified Photovoltaic Site	Accumulated Cost		Estimated Net Removal Costs		Future Net Removal Rate			Conservative Reduction to 80%		
	Cost		Direct	Indirect	Net	Direct	Indirect	Net	FNR%	FNR\$
Agua Hedionda Lagoon	\$ 57,471	\$ 8,381	\$ 1,440	\$ 9,821	\$ 9,821	14.5830%	2.5056%	17.0886%	13.6712%	\$ 7,857
Amylin Pharmaceuticals	\$ 1,704,315	\$ 422,874	\$ 81,542	\$ 504,416	\$ 504,416	24.8120%	4.7844%	29.5964%	23.6771%	\$ 403,533
Bressi Ranch Community	\$ 755,063	\$ 201,585	\$ 38,975	\$ 240,560	\$ 240,560	26.6978%	5.1618%	31.8596%	25.4877%	\$ 192,448
Burnham Institute	\$ 2,726,335	\$ 613,627	\$ 118,437	\$ 732,064	\$ 732,064	22.5074%	4.3442%	26.8516%	21.4813%	\$ 585,651
California State University	\$ 219,662	\$ 95,049	\$ 18,482	\$ 113,531	\$ 113,531	43.2706%	8.4138%	51.6844%	41.3476%	\$ 90,825
Campus Point Sustainable Communities	\$ 1,279,255	\$ 468,747	\$ 90,369	\$ 559,116	\$ 559,116	36.6422%	7.0642%	43.7064%	34.9651%	\$ 447,293
Civita Westpark Apartments	\$ 375,027	\$ 60,572	\$ 9,377	\$ 69,949	\$ 69,949	16.1514%	2.5004%	18.6517%	14.9213%	\$ 55,959
County Operations Center	\$ 1,755,840	\$ 316,477	\$ 48,461	\$ 364,938	\$ 364,938	18.0243%	2.7600%	20.7842%	16.6274%	\$ 291,950
Del Lago Park 'n Ride	\$ 486,339	\$ 13,248	\$ 2,150	\$ 15,398	\$ 15,398	2.7240%	0.4421%	3.1661%	2.5328%	\$ 12,318
Del Sur Elementary School	\$ 561,111	\$ 116,207	\$ 22,551	\$ 138,758	\$ 138,758	20.7102%	4.0190%	24.7292%	19.7833%	\$ 111,006
Energy Innovation Center	\$ 1,401,572	\$ 163,036	\$ 29,708	\$ 192,744	\$ 192,744	11.6324%	2.1196%	13.7520%	11.0016%	\$ 154,195
Escondido School District	\$ 1,840,133	\$ 297,141	\$ 57,356	\$ 354,497	\$ 354,497	16.1478%	3.1169%	19.2647%	15.4118%	\$ 283,598
Grossmont Trolley Court	\$ 694,923	\$ 161,598	\$ 31,285	\$ 192,883	\$ 192,883	23.2541%	4.5019%	27.7560%	22.2048%	\$ 154,306
Hamann Companies	\$ 3,900,222	\$ 696,119	\$ 134,106	\$ 830,225	\$ 830,225	17.8482%	3.4384%	21.2866%	17.0293%	\$ 664,180
Hanna Gabriel Wells	\$ 158,505	\$ 60,751	\$ 11,882	\$ 72,633	\$ 72,633	38.3275%	7.4963%	45.8238%	36.6588%	\$ 58,106
High Tech High Schools	\$ 2,014,002	\$ 669,958	\$ 129,480	\$ 799,438	\$ 799,438	33.2650%	6.4290%	39.6940%	31.7552%	\$ 639,550
Hunter Industries	\$ 868,835	\$ 246,350	\$ 47,583	\$ 293,933	\$ 293,933	28.3541%	5.4766%	33.8307%	27.0645%	\$ 235,146
La Maestra Health Center	\$ 216,493	\$ 73,278	\$ 14,298	\$ 87,576	\$ 87,576	33.8477%	6.6044%	40.4521%	32.3618%	\$ 70,061
Ladera Ranch	\$ 957,717	\$ 295,792	\$ 57,298	\$ 353,090	\$ 353,090	30.8851%	5.9828%	36.8679%	29.4943%	\$ 282,472
Lindo Paseo Village	\$ 284,072	\$ 84,412	\$ 16,437	\$ 100,849	\$ 100,849	29.7150%	5.7862%	35.5012%	28.4009%	\$ 80,679
Pacific Ridge High School	\$ 127,219	\$ 68,097	\$ 13,304	\$ 81,401	\$ 81,401	53.5274%	10.4576%	63.9849%	51.1881%	\$ 65,121
Pacific Station Sustainable Communities	\$ 625,895	\$ 208,162	\$ 40,241	\$ 248,403	\$ 248,403	33.2583%	6.4294%	39.6876%	31.7501%	\$ 198,722
Port of San Diego	\$ 238,696	\$ 86,652	\$ 16,870	\$ 103,522	\$ 103,522	36.3022%	7.0676%	43.3698%	34.6960%	\$ 82,818
Rueben H. Fleet Science Center	\$ 869,924	\$ 274,129	\$ 52,932	\$ 327,061	\$ 327,061	31.5118%	6.0847%	37.5965%	30.0772%	\$ 261,649
San Diego Community College	\$ 543,967	\$ 159,168	\$ 30,818	\$ 189,986	\$ 189,986	29.2606%	5.6654%	34.9260%	27.9408%	\$ 151,989
San Diego Zoo	\$ 1,698,420	\$ 71,300	\$ 11,006	\$ 82,306	\$ 82,306	4.1980%	0.6480%	4.8460%	3.8768%	\$ 65,845
Soledad Sustainable Communities	\$ 464,482	\$ 195,698	\$ 37,848	\$ 233,546	\$ 233,546	42.1325%	8.1484%	50.2810%	40.2248%	\$ 186,837
Sony	\$ 1,376,780	\$ 144,302	\$ 22,178	\$ 166,480	\$ 166,480	10.4811%	1.6109%	12.0920%	9.6736%	\$ 133,184
SRS Wellness Center	\$ 411,815	\$ 57,450	\$ 8,898	\$ 66,348	\$ 66,348	13.9504%	2.1607%	16.1111%	12.8888%	\$ 53,078
Thomas Jefferson Law School	\$ 434,988	\$ 118,435	\$ 22,975	\$ 141,410	\$ 141,410	27.2272%	5.2818%	32.5089%	26.0072%	\$ 113,128
TKG Engineering	\$ 432,471	\$ 124,505	\$ 24,147	\$ 148,652	\$ 148,652	28.7892%	5.5835%	34.3727%	27.4983%	\$ 118,922
University of California	\$ 1,699,842	\$ 468,127	\$ 90,648	\$ 558,775	\$ 558,775	27.5394%	5.3327%	32.8722%	26.2977%	\$ 447,020
Urban Corps Sustainable Communities	\$ 145,841	\$ 73,278	\$ 14,298	\$ 87,576	\$ 87,576	50.2451%	9.8038%	60.0490%	48.0393%	\$ 70,061
Wilco Sustainable Communities	\$ 2,872,891	\$ 787,360	\$ 151,659	\$ 939,019	\$ 939,019	27.4065%	5.2790%	32.6855%	26.1484%	\$ 751,215
Ramona Solar Project (Estimated)	\$ 34,200,123	\$ 7,901,865	\$ 1,499,039	\$ 9,400,904	\$ 9,400,904	23.1048%	4.3831%	27.4879%	21.9903%	\$ 7,520,722
Santa Ysabel Microgrid	\$ 13,500,000	\$ 241,952	\$ 59,400	\$ 301,352	\$ 301,352	1.7922%	0.4400%	2.2322%	1.7858%	\$ 241,082
SDG&E Century Park	\$ 764,619	\$ -	\$ -	\$ -	\$ -	-	-	-	-	\$ -
Other	\$ 26,475	\$ -	\$ -	\$ -	\$ -	-	-	-	-	\$ -
	\$ 48,645,401	\$ 8,143,817	\$ 1,558,439	\$ 9,702,256	\$ 9,702,256	16.7412%	3.2037%	19.9449%	15.9559%	\$ 7,761,804
Excluded Projects										
DOE / Borrego Microgrid	\$ 5,926,813	\$ -	\$ -	\$ -	\$ -					
J&D Laboratories	\$ 3,002,210	\$ -	\$ -	\$ -	\$ -					
*Exclude	\$ -	\$ 138,011	\$ 27,000	\$ 165,011	\$ 165,011					
	\$ 8,929,023	\$ 138,011	\$ 27,000	\$ 165,011	\$ 165,011					
	18%		2%	2%	2%					

Final result conservatively rounded down to 15.0000%.

1 **VI. S&L DECOMMISSIONING STUDIES**

2 This workpaper section includes the independent decommissioning studies provided by
3 Sargent & Lundy, LLC (S&L) regarding the electric generation plants and new-technology
4 initiatives at San Diego Gas & Electric Company (SDG&E).

5

6 SL-013559.A: Palomar Energy Center (PEC) MCV-WP-347

7 SL-013559.B: Miramar Energy Facility (MEF) MCV-WP-399

8 SL-013559.C: Cuyamaca Peak Energy Plant (CPEP) MCV-WP-447

9 SL-013559.D: Desert Star Energy Center (DSEC)..... MCV-WP-489

10 SL-013559.E: Photovoltaic (PV) Sites MCV-WP-541

11 SL-013559.F: Battery Energy Storage System (BESS) Sites MCV-WP-715

12 SL-013559.G: Electric Vehicle (EV) Charging Stations MCV-WP-815

13 SL-013559.H: Unmanned Aerial Vehicles (UAVs) MCV-WP-845

14

Prepared by



55 East Monroe Street
Chicago, IL 60603-5780 USA

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Palomar Energy Center Decommissioning Study

Prepared for
San Diego Gas & Electric Company

Report SL-013559.A

Project 12699-004
February 2017



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Palomar Energy Center
Decommissioning Study

Prepared for
San Diego Gas & Electric Company

SL-013559.A
February 2017



55 East Monroe Street
Chicago, IL 60603-5780 USA

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Palomar Energy Center Decommissioning Study

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B	Conceptual Estimate of Cost — FERC Accounts
C	Benchmarking Peer Group Dataset
D	Explanation of Variance from Previous Cost Studies

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ACRONYMS AND ABBREVIATIONS

<u>Term</u>	<u>Definition or Clarification</u>
ASL	Average Service Life
CT(s)	Combustion turbine(s)
FERC	Federal Energy Regulatory Commission
GE	General Electric
HRSG(s)	Heat recovery steam generator(s)
kV	Kilovolts
kVA	Kilovolt amperes
kW	Kilowatts
LTSA	Long-Term Service Agreement
MVA	Megavolt amperes
MW	Megawatts
O&M	Operations and maintenance
OEM	Original equipment manufacturer
Owner	San Diego Gas & Electric Company
Palomar	Palomar Energy Center
PCB	Polychlorinated biphenyl
S&L	Sargent & Lundy LLC
SCR	Selective catalytic reduction
SDG&E	San Diego Gas & Electric Company
V	Volts

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EXECUTIVE SUMMARY

Sargent & Lundy LLC (S&L) was engaged by San Diego Gas & Electric Company (“SDG&E” or “Owner”) to perform an independent conceptual cost estimate for the dismantlement of Palomar Energy Center (Palomar) and estimate of average service life. Palomar is a 2x2x1 natural-gas-fired, combined-cycle (490 megawatts [MW]) located in Escondido, California.

METHODOLOGY

The S&L methodology for developing the cost estimate consisted of three elements: 1) our experience in developing plant demolition costs and our existing database for numerous other projects, 2) the use of unit cost factor methodology, and 3) quotes for previous projects for similar activities. The cost estimate was developed based on the drawings, documents, and data provided by SDG&E. These drawings and documents were used to estimate the building foundation sizes, building volumes, steel quantities, quantity of piping, valves, and other equipment. A site walkdown was performed to conduct a review of the site for dismantlement and determine any unique site-specific requirements. This information was used with unit cost factors developed by S&L based on industry data and our experience. Unit cost factors for concrete removal, steel removal, cutting costs, and so forth were developed from labor and material cost information. We estimated the quantities of recoverable metals that could be recovered and sold for scrap. The estimate includes the value of scrap metals; however, equipment is assumed to have no resale or other salvage value besides the value of scrap metal at the end of its life.

The S&L methodology for estimating the Average Service Life (ASL) of the facility is based on a review of the operational and maintenance history of the site, a benchmarking analysis of similar facilities, and information from the facility’s major equipment manufacturers.

CONCEPTUAL COST ESTIMATE

Palomar Energy Center

The summary of the cost estimate for decommissioning Palomar is shown in Table ES-1. The cost estimate broken into Federal Energy Regulatory Commission (FERC) accounts is shown in Table ES-2. All costs are in



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2016 US dollars. The decommissioning costs are expected to increase by the end of service life of the asset due to escalation.

Table ES-1 — Cost Estimate Summary for Palomar Energy Center

Acct	Description	Scrap Value	Material Cost	Labor Cost	Total Cost
11.21	Civil Work		\$ 598,735	\$ 520,395	\$ 1,119,130
11.22	Concrete			\$ 1,905,184	\$ 1,905,184
11.23	Steel	\$ (39,585)		\$ 156,337	\$ 116,752
11.24	Architectural			\$ 372,840	\$ 372,840
11.31	Mechanical Equipment	\$ (711,469)		\$ 3,653,110	\$ 2,941,641
11.35	Piping	\$ (59,351)		\$ 242,118	\$ 182,767
11.41	Electrical Equipment	\$ (17,052)		\$ 101,428	\$ 84,376
11.42	Raceway, Cable Tray, & Conduit			\$ 141,451	\$ 141,451
11.43	Cable			\$ 203,175	\$ 203,175
11.44	Control & Instrumentation			\$ 12,859	\$ 12,859
11.98	Waste		\$ 386,958		\$ 386,958
11.81	Scrap Value	\$ (1,114,120)			\$ (1,114,120)
	Subtotal Direct & Construction Indirect Cost	\$ (1,941,577)	\$ 985,693	\$ 7,308,897	\$ 6,353,013
	Contractor's General and Administration Expense -				
91.9	% of ACCT No. 90, 91-1 to 91-8	7.0%		\$ 365,445	\$ 365,445
91.10	Contractor's Profit - % of ACCT No. 90, 91-1 to 91-8	8.0%	\$ 78,855	\$ 584,712	\$ 663,567
	Subtotal	\$ -	\$ 78,855	\$ 950,157	\$ 1,029,012
	Engineering, Procurement, & Project Services - %				
93.1	of ACCT No. 92				\$ 220,000
93.2	Construction Management Support - % of ACCT	2.0%			\$ 147,641
	Subtotal of Indirect Costs				\$ 367,641
95.1	Contingency on Scrap Value - % of ACCT No. 92, 94.	20.0%	\$ 388,315		\$ 388,315
95.2	Contingency on Material - % of ACCT No. 92, 94.2	20.0%	\$ 212,910		\$ 212,910
95.3	Contingency on Labor - % ACCT No. 92, 94.3	20.0%		\$ 1,651,811	\$ 1,651,811
95.4	Contingency on Indirect - % of ACCT No. 93, 94.4	20.0%			\$ 73,528
	Subtotal Contingency				\$ 2,326,564
	Total Project Cost				\$ 10,076,230

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Table ES-2 — Palomar Energy Center Cost Estimate Summary by FERC Account

FERC NO.	Description	Scrap Value	Material Cost	Labor Cost	Other Direct Cost	Indirect Cost	Contingency	Total Cost
311	Structures and Improvements		\$ 647,493	\$ 714,325	\$ 144,662		\$ 301,296	\$ 1,807,776
312	Boiler Plant Equipment	\$ (385,802)		\$ 2,662,134	\$ 346,077		\$ 678,803	\$ 3,301,212
313	Engines and Engine-Driven Generators							\$ -
314	TurboGenerator Units	\$ (145,627)	\$ 338,200	\$ 1,384,594	\$ 207,053		\$ 415,095	\$ 2,199,315
315	Accessory Electric Equipment	\$ (367,185)		\$ 334,287	\$ 43,457		\$ 148,986	\$ 159,545
316	Miscellaneous Power Plant Equipment	\$ (22,194)		\$ 118,934	\$ 15,461		\$ 31,318	\$ 143,519
341	Other Production - Structures & Improvements	\$ (20,010)		\$ 468,195	\$ 60,865		\$ 109,814	\$ 618,864
342	Other Production - Fuel Holders, Producers and Accessories	\$ (68,069)		\$ 254,370	\$ 33,068		\$ 71,101	\$ 290,470
344	Other Production - Generators	\$ (168,704)		\$ 1,124,982	\$ 146,248		\$ 287,987	\$ 1,390,513
345	Other Production - Accessory Electric Equipment	\$ (763,987)		\$ 247,078	\$ 32,120		\$ 208,637	\$ (276,152)
11	ENGINEERING, PROCUREMENT, & PROJECT SERVICES (Approx 85% Steam Plant)					\$ 220,000	\$ 44,000	\$ 264,000
12	CONSTRUCTION MANAGEMENT SUPPORT (Approx 85% Steam Plant)					\$ 147,641	\$ 29,528	\$ 177,169
13	S-U/COMMISSIONING							\$ -
14	OWNERS COST							\$ -
15	EPC FEE							\$ -
Total Project Cost		\$ (1,941,578)	\$ 985,693	\$ 7,308,899	\$ 1,029,011	\$ 367,641	\$ 2,326,565	\$ 10,076,230

AVERAGE SERVICE LIFE

The average service life of a modern gas-fired, turbine-based, combined-cycle plant is expected to be 30 years, assuming the plant follows diligent operations and maintenance (O&M) practices, invests in upgrades and refurbishments when necessary, and follows original equipment manufacturer (OEM) procedures (such as using fuel compliant with turbine specifications). Our benchmarking analysis showed several similar plants with operating lives over 30 years.

SDG&E stated that inspections are performed on the plant equipment in accordance with industry norms for combined-cycle plants. The average service life of Palomar is expected to be 30 years or more with prudent O&M. However, considering the regional transition to renewable energy resources and other regulatory impacts in California, a reduction in estimated service life may be realistic. Considering the high potential for early retirement of current technologies will allow utilization costs to be more appropriately assigned to ratepayers.

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1. SCOPE OF WORK

Sargent & Lundy LLC (S&L) was contracted by San Diego Gas & Electric Company (“SDG&E” or “Owner”) to perform a conceptual cost estimate and average service life estimate for the Palomar Energy Center (Palomar) in Escondido, California. Our work scope included review of drawings and documents of the facility, a site visit, and the development of a conceptual demolition cost estimate and report and an average service life.

Sargent & Lundy has been dedicated to providing complete engineering and environmental services exclusively to the power industry since 1891. Through our work with various utilities, lending institutions, and developers, over the years Sargent & Lundy Consulting has become one of the premier power project consultants in the power industry. This commitment to quality is proven by the successful completion of our International Organization for Standardization (ISO) 9000 certification audit. Our experience encompasses independent engineer services, including decommissioning cost estimation and average service life evaluation for both global and domestic electric power assets. S&L has recently completed decommissioning studies for a number of clients.

Sargent & Lundy has engineered over 958 power plant units. We have both the benefit of extensive design experience with feedback from operating plants as well as individuals with extensive plant operations experience to support our consulting services.

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2. GENERAL DESCRIPTION

2.1 PALOMAR ENERGY CENTER

Located in northern San Diego County, Escondido, California, Palomar consists of two General Electric (GE) Frame 7FA (PG7241FA) combustion turbine (CT) generators and a single steam turbine generator. Each CT exhausts into separate heat recovery steam generators (HRSGs), each of which has a selective catalytic reduction (SCR) system for nitrogen oxide (NO_x) reduction and an oxidation catalyst to reduce volatile organic compounds (VOCs) and carbon monoxide (CO). Each HRSG is also provided with natural-gas-fired duct burners that provide additional steam production to increase the net plant generating output during peak load periods. The steam produced by the two HRSGs is supplied to a single steam turbine generator. The turbine exhaust steam is condensed in a steam surface condenser by transferring the heat to circulating cooling water. The heat in the circulating water is then rejected to the atmosphere in an evaporative cooling tower.

The full-load continuous rating of Palomar is 550 megawatts (MW). However, Palomar is configured so that it may operate using either CT alone or one CT and the steam turbine. The CTs are rated at 170 MW nominal each, and the steam turbine is rated at 235 MW nominal. This gives the plant operational flexibility to respond to a varying load demand while optimizing efficiency. With two CTs feeding two HRSGs feeding one steam turbine, this configuration is referred to as a 2x2x1 combined-cycle plant; this is typical of modern high-efficiency plant installations of this capacity in use by utilities and merchant generators throughout the US and abroad.

The CTs are capable of producing more power, and are more efficient, with colder inlet temperatures. As such, Palomar is equipped with a chiller system that can reduce the turbine inlet temperature to approximately 50°F. This reduction in temperature allows the plant to increase output on hot summer days when the system electrical demand is highest.

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3. COST ESTIMATE

3.1 METHODOLOGY

The methodology used for developing the cost estimate includes a combination of stochastic and deterministic methods. Deterministic methods were used based on the quantity and size of equipment (e.g., the number of foundations, linear feet of piping, equipment, and etc.). Stochastic methods were also used if quantity information (e.g., fire lines and hydrants, misc. electrical equipment, etc.) was not available.

The cost estimate was developed based on drawings, documents, and data provided by the Owner. These drawings and documents were used to estimate the building foundation sizes, building volumes, steel quantities, quantity of piping, valves, and other equipment.

The S&L methodology for developing the cost estimate consisted of three elements: 1) our experience in developing plant demolition costs and our existing database for numerous other projects, 2) the use of unit cost factor methodology, and 3) quotes from previous projects for similar activities.

Cost estimates were created using S&L's cost model format and S&L's cost database. The estimates developed include details for each type of work performed, indirect costs, and contingencies. The cost estimate database report lists costs by buildings, plant systems, and several other categories.

An inventory of plant piping, valves, equipment, HVAC ducts, concrete, galleries, cable trays, and other equipment was developed based on a review of drawings and data provided. Mr. Borko Andric and Mr. Brad Toon of S&L visited the plant and performed a site walkdown to conduct a review for dismantlement and determine any unique site-specific requirements. This information was used with unit cost factors developed by S&L based on industry data and our experience. Unit cost factors for concrete removal, steel removal, cutting costs, and other tasks were developed from labor and material cost information. We estimated the quantities of recoverable metals that could be recovered and sold for scrap. The estimate includes the value of scrap metals; however, equipment is assumed to have no resale or other salvage value besides the value of scrap metal at the end of its life.

S&L worked from site general arrangement drawings and company documentation for the facilities, including information about any existing or un-remediated metal cleaning storage ponds, asbestos inventories,

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polychlorinated biphenyl (PCB) inventories, or sludge ponds. S&L relied on SDG&E to identify the location of environmental problems that need to be considered in the estimates, since our scope of work does not include a detailed survey and testing program to identify such problems.

3.2 COST ESTIMATE SUMMARY

3.2.1 Palomar Energy Center

The summary of the cost estimate for decommissioning Palomar is shown in Table 3-1. The commercial and technical basis for the estimate is included in Section 4. The detailed estimate is included in Appendix A. The breakdown into Federal Energy Regulatory Commission (FERC) accounts is shown in Table 3-2. The allocation of FERC accounts is shown in Appendix B. All costs are in 2016 US dollars. The decommissioning costs are expected to increase by the end of service life of the asset due to escalation.

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Table 3-1 — Cost Estimate Summary for Palomar Energy Center

Acct	Description		Scrap Value	Material Cost	Labor Cost	Total Cost
11.21	Civil Work			\$ 598,735	\$ 520,395	\$ 1,119,130
11.22	Concrete				\$ 1,905,184	\$ 1,905,184
11.23	Steel		\$ (39,585)		\$ 156,337	\$ 116,752
11.24	Architectural				\$ 372,840	\$ 372,840
11.31	Mechanical Equipment		\$ (711,469)		\$ 3,653,110	\$ 2,941,641
11.35	Piping		\$ (59,351)		\$ 242,118	\$ 182,767
11.41	Electrical Equipment		\$ (17,052)		\$ 101,428	\$ 84,376
11.42	Raceway, Cable Tray, & Conduit				\$ 141,451	\$ 141,451
11.43	Cable				\$ 203,175	\$ 203,175
11.44	Control & Instrumentation				\$ 12,859	\$ 12,859
11.98	Waste			\$ 386,958		\$ 386,958
11.81	Scrap Value		\$ (1,114,120)			\$ (1,114,120)
Subtotal Direct & Construction Indirect Cost			\$ (1,941,577)	\$ 985,693	\$ 7,308,897	\$ 6,353,013
91.9	Contractor's General and Administration Expense - % of ACCT No. 90, 91-1 to 91-8	7.0%			\$ 365,445	\$ 365,445
91.10	Contractor's Profit - % of ACCT No. 90, 91-1 to 91-8	8.0%		\$ 78,855	\$ 584,712	\$ 663,567
Subtotal			\$ -	\$ 78,855	\$ 950,157	\$ 1,029,012
93.1	Engineering, Procurement, & Project Services - % of ACCT No. 92					\$ 220,000
93.2	Construction Management Support - % of ACCT No. 92	2.0%				\$ 147,641
Subtotal of Indirect Costs						\$ 367,641
95.1	Contingency on Scrap Value - % of ACCT No. 92, 94.2	20.0%	\$ 388,315			\$ 388,315
95.2	Contingency on Material - % of ACCT No. 92, 94.2	20.0%		\$ 212,910		\$ 212,910
95.3	Contingency on Labor - % ACCT No. 92, 94.3	20.0%			\$ 1,651,811	\$ 1,651,811
95.4	Contingency on Indirect - % of ACCT No. 93, 94.4	20.0%				\$ 73,528
Subtotal Contingency						\$ 2,326,564
Total Project Cost						\$ 10,076,230

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Table 3-2 — Cost Estimate Summary by FERC Account for Palomar Energy Center

FERC NO.	Description	Scrap Value	Material Cost	Labor Cost	Other Direct Cost	Indirect Cost	Contingency	Total Cost
311	Structures and Improvements		\$ 647,493	\$ 714,325	\$ 144,662		\$ 301,296	\$ 1,807,776
312	Boiler Plant Equipment	\$ (385,802)		\$ 2,662,134	\$ 346,077		\$ 678,803	\$ 3,301,212
313	Engines and Engine-Driven Generators							\$ -
314	TurboGenerator Units	\$ (145,627)	\$ 338,200	\$ 1,384,594	\$ 207,053		\$ 415,095	\$ 2,199,315
315	Accessory Electric Equipment	\$ (367,185)		\$ 334,287	\$ 43,457		\$ 148,986	\$ 159,545
316	Miscellaneous Power Plant Equipment	\$ (22,194)		\$ 118,934	\$ 15,461		\$ 31,318	\$ 143,519
341	Other Production - Structures & Improvements	\$ (20,010)		\$ 468,195	\$ 60,865		\$ 109,814	\$ 618,864
342	Other Production - Fuel Holders, Producers and Accessories	\$ (68,069)		\$ 254,370	\$ 33,068		\$ 71,101	\$ 290,470
344	Other Production - Generators	\$ (168,704)		\$ 1,124,982	\$ 146,248		\$ 287,987	\$ 1,390,513
345	Other Production - Accessory Electric Equipment	\$ (763,987)		\$ 247,078	\$ 32,120		\$ 208,637	\$ (276,152)
I1	ENGINEERING, PROCUREMENT, & PROJECT SERVICES (Approx 85% Steam Plant)					\$ 220,000	\$ 44,000	\$ 264,000
I2	CONSTRUCTION MANAGEMENT SUPPORT (Approx 85% Steam Plant)					\$ 147,641	\$ 29,528	\$ 177,169
I3	S-U/COMMISSIONING							\$ -
I4	OWNERS COST							\$ -
I5	EPC FEE							\$ -
Total Project Cost		\$ (1,941,578)	\$ 985,693	\$ 7,308,899	\$ 1,029,011	\$ 367,641	\$ 2,326,565	\$ 10,076,230

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4. BASIS OF ESTIMATE

The basis for the cost estimate is as follow:

A. Labor Wage Rates

- Craft labor wage rates selected for the estimates are prevailing rates based on those published in *RSMMeans Labor Rates for the Construction Industry*, 2016 Edition, for San Diego, CA.
- The labor estimate is based on a 40-hour workweek, with no per diem or other labor incentives.

B. Labor Crews

- The craft rates are incorporated into work crews appropriate for the activities by adding allowances for small tools, construction equipment, insurance, payment bonds, and site overheads to arrive at the crew rates used in the cost estimate.
- An example of crew rates for demolition of equipment and demolition of concrete is shown in Table 4-1 below:

Table 4-1 — Example Crew Rates

San Diego, CA	Demo Equipment		Demo Concrete	
	\$/hr	Percentage	\$/hr	Percentage
Crew Base	\$ 32.74	31%	\$38.33	33%
Crew Fringes	\$ 19.34	18%	\$21.11	18%
Crew FICA	\$ 2.50	2%	\$2.93	2%
Crew SU1	\$ 0.42	0%	\$0.42	0%
Crew FU1	\$ 0.04	0%	\$0.04	0%
Crew Workers Comp. Ins	\$ 7.50	7%	\$8.78	7%
Other *	\$ 1.64	2%	\$1.92	2%
Equipment	\$ 21.55	20%	\$20.80	18%
Site OH	\$ 21.43	20%	\$23.58	20%
Total	\$ 107.16	100%	\$117.91	100%

* Expendables/Small Tools, Show up Time, Working Foreman, General Liability Insurance

C. Productivity

- The labor productivity is estimated to be 1.2¹ for the San Diego area based on Compass International data relating to productivity experienced on demolition and productivity for the San Diego area. For reference, the Houston area has a labor productivity factor of 1.

¹ Productivity index calculated as (Specific City Labor Rate) ÷ (National Average Labor Rate) × 100



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- No allowances have been made to cover items such as loss in productivity because of inclement weather conditions.

D. Quantity Sources

- Quantities of pieces of equipment and/or bulk material commodities used in this cost estimate were developed from engineering-supplied information from the sites and the S&L database.

E. Scrap

- Scrap metals are a globally traded commodity and are part of the larger metals industry. The value of scrap metal is subject to constantly changing economic conditions, as such the price of mixed steel, stainless steel, copper, and aluminum can vary greatly over time as a result of global supply and demand. The value of scrap for this study was determined by a three-month average from ‘Scrap Metals MarketWatch’ (July, August, and September of 2016) for the West Coast (Zone 1) of the United States. The ‘Scrap Metals MarketWatch’ can be found on the following website:
- www.americanrecycler.com
- The values obtained are delivered prices expressed as cost per gross ton or pound to account for separation, preparation and shipping costs to the mills. Metal recycling is a cyclical industry. The costs used in this study represent market prices in mid-2016, and cannot be used to estimate the value of scrap in the future. Estimated scrap prices are listed in Table 4-2.

Table 4-2 — Estimated Scrap Prices

	#1 & 2 Mixed Steel	#1 Copper	Aluminum	Stainless Steel
Date	\$ / Gross Ton	\$/lb.	\$/lb.	\$/lb.
July 1, 2016	185	1.95	0.45	0.55
August 1, 2016	185	1.94	0.46	0.57
September 1, 2016	184	1.97	0.47	0.55
3 Month Average	184.67	1.95	0.46	0.56
Converted to \$/tons	\$165 / ton	\$3,907 / ton	\$920 / ton	\$1,113 / ton
Scrap dealer costs - deduct	\$78 / ton	\$440 / ton	\$260 / ton	\$200 / ton
Net Value to Utility	\$87 / ton	\$3,467 / ton	\$660 / ton	\$913 / ton

F. Project Schedule

- 18-month construction schedule.

G. Contractor Costs

- Contractors’ general and administrative (G&A) is included at 5% of labor and material.
- Contractors’ profit is included at 8% of labor and material.

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H. Indirect Expenses

- Project indirect expenses are based on percent total direct construction labor only.
- Engineering is included to cover preparation of the decommissioning work specification, engineering required to place the plant in safe shutdown, and any unique engineering required during demolition.
- Construction management and field engineering is estimated to be 2%. This covers oversight of demolition activities but not full-time construction management.
- Owner's costs are not included.

I. Escalation Rates

- Not included.

J. Sales and Use Taxes

- Sales and use taxes not included.

K. Contingency

- A 20% contingency is applied for material, labor, and indirect expenses.
- A -20% contingency is applied for scrap value, as a drop in scrap value will result in an increase in project cost.

L. Contract Basis for Estimate

- The estimate is based on a multiple lump sum.

M. Assumptions

- The facility will be in safe-shutdown mode and ready for a decommissioning contractor to start work.
- All chemicals and lubricating oils will be removed from the facilities to be demolished by the utility before demolition.
- No extraordinary environmental costs for demolition will be needed.
- There will be no PCBs on site at the time of demolition.
- Switchyards within the plant boundaries are not part of the scope, nor are access roads to these facilities.
- All items above grade and to a depth of 1 foot will be demolished. All foundations will be removed. Any other items buried more than 1 foot deep will remain in place.
- Underground piping will be abandoned in place.
- Underground piping larger than 4 feet in diameter will be filled with sand or slurry and capped at the ends to prevent collapse (none noted at this site). Non-metal pipe will be collapsed.
- All demolished materials are considered debris, except for organic combustibles and non-embedded metals that have scrap value.
- The basis for salvage estimating is for scrap value only. No resale of equipment or material is included.



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- Handling on-site and off-site disposal of hazardous materials will be performed in compliance with methods approved by SDG&E's Environmental Services Department.
- Disturbed areas will be buried under 6 inches of topsoil, mulched, and seeded with grass.
- All borrow material is assumed to be from off-site sources.
- Catalyst is assumed to be removed and returned to the original equipment manufacturer (OEM) before demolition.

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5. AVERAGE SERVICE LIFE EVALUATION

The S&L methodology for estimating the Average Service Life (ASL) of the facility is based on a review of the O&M history of the site, a benchmarking analysis of similar facilities, information from the facility's major equipment manufacturers, and other information from S&L's database.

5.1 DESCRIPTION OF FACILITY

Palomar is a 2x2x1, gas-fired, combined-cycle power plant located in northern San Diego County, Escondido, California. The plant consists of two GE Frame 7FA (PG7241FA) CT generators and a single steam turbine generator. The plant is rated at 550 MW. However, Palomar is configured so that it may operate using either of the CTs alone or one CT and the steam turbine. The CTs are rated at 170 MW nominal each, and the steam turbine is rated at 235 MW nominal. The plant includes the major equipment listed in Table 5-1.

Table 5-1 — List of Equipment

Equipment	Manufacturer / Model	Note
Combustion Turbine #1	GE Frame 7FA (PG7241FA)	Rating: 170 MW; 18-stage compression, 3-stage turbine
Generator #1	GE Toshiba 7FH2	18 kV, 7,121 amps, 222,000 kVA
Combustion Turbine #2	GE Frame 7FA (PG7241FA)	Rating: 170 MW; 18-stage compression, 3-stage turbine
Generator #2	GE Toshiba 7FH2	18 kV, 7,121 amps, 222,000 kVA
Steam Turbine	GE D-11	208211 kW, 20 stage turbine
Steam Turbine Generator	GE 324 (FR 93-44x215)	Rating: 235 MW; 18 kV, 377,700 kVA
Feed Water Pumps (x4)	KSB HGC 4/1+6 Teco-Westinghouse	Motor type: FR-4510; 2,150 horsepower, 4,000 V,
Closed Cooling Water System	Gould – 3180XL	Size: 10x14-25
Generator Step-up Transformer (GSU#1)	Siemens	235 kV; 200 MVA
Generator Step-up Transformer (GSU#2)	Hyundai	230 kV; 220 MVA
Generator Step-up Transformer (GSU#3)	Hyundai	230 kV; 300 MVA

The GE Frame 7FA gas turbines are heavy-duty industrial machines, initially introduced in 1987. The unit has evolved and improved over the years. The model makes up the largest fleet of gas turbines, with more than

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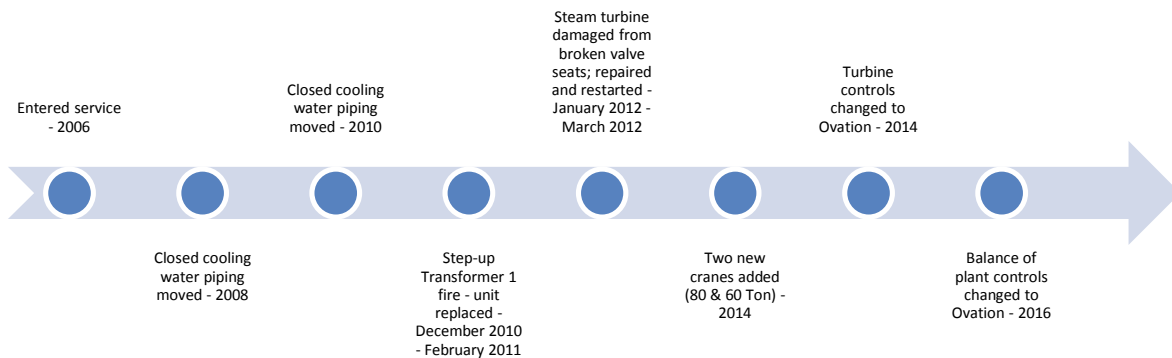


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1,100 units installed globally. It was first to boast over 99% reliability. The GE gas turbine model at Palomar is listed as model PG7241FA, which is now known as the GE FA.04.

Major events during the life of the plant are shown in Figure 5-1. The plant has performed regularly scheduled outages.

Figure 5-1 — Timeline of Major Dates in History of the Site



5.1.1 Site Operation and Maintenance

Palomar entered service in 2006. Regular maintenance has been performed on the units since then. The site is unique in that the civil work was designed such that the plant would not be visible to surrounding areas, and the evacuation around the site was completed to resemble naturally occurring rock face. Figure 5-2 shows an aerial view of Palomar; Figure 5-3 shows one of the step-up transformers and a HRSG.

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Figure 5-2 — Aerial View of Palomar Energy Center



Figure 5-3 — Palomar Step-Up Generator & HRSG



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A number of capital improvements have been made since operation began. In 2014, two new overhead cranes (60 and 80 tons) entered service. Also, a new water chemistry lab and the interior and exterior painting of the HRSG stacks was completed.

During the past 10 years of operation, there have been no tube leaks in the HRSGs. However, the steam turbine has required attention. A valve seat failure introduced metal particles into the steam turbine, which resulted in the first four stages being replaced. All problematic seats were replaced, and the steam turbine was returned to full service. A seal failure occurred on the high-pressure steam line and was repaired as well. Most of the repair work was completed by GE.

In 2010, a bushing on the step-up transformer for CT Generator #1 caught fire. As a result, the C-phase failed. The unit was replaced and the plant was restored to full capacity.

The plant has invested in gas turbine inlet air chillers, inlet filter upgrades, gantry cranes shown below, and controls conversion to Ovation. The plant is currently up-to-date with GE's Technical Information Letters (TILs) on major equipment.

Figure 5-4 — Palomar Cranes Installed in 2014



The dispatch of CT#1, CT#2, and the steam turbine has varied from 42% to 81% since the plant's commercial operation date (COD). This change in capacity from year-to-year suggests the plant is not base loaded.

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Therefore, it is likely that Palomar will experience more starts and cycling over the course of its operating life than a base-loaded plant. An increased frequency of starts shortens the time between maintenance inspections.

The number of starts and operating hours on CT#1, CT#2 and the steam turbine are shown below in Table 5-2 and Table 5-3.

Table 5-2 — Number of Starts

Type of Start	CT#1	CT#2	Steam Turbine
Total	1,170	1,139	682

Although the number of hot, warm, and cold starts was not provided, the majority of starts were hot.

Table 5-3 — Operating Hours

Equipment	Hours
Combustion Turbine 1 & Generator 1	71,282
Combustion Turbine 2 & Generator 2	71,238
Steam Turbine & Generator	74,999

The combustor inspection, hot gas path inspection, and major inspection follow the interval schedule shown in the Table 5-4.

Table 5-4 — Gas Turbine Inspection Interval Schedule

Inspection Type	Original Plan (GE LTSA)	Current Plan	Criteria per GE Guidelines*
Combustor Inspection	Annually	Annually	32,000 hrs./900 starts
Hot Gas Path Inspection	24,000 hrs.	32,000 hrs.	32,000 hrs./1,250 starts
Major Inspection	48,000 hrs.	64,000 hrs.	64,000 hrs./2,400 starts

*Per GE document GEK-3620M (2015), "Heavy Duty Gas Turbine O&M Considerations"



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Table 5-5 — Steam Turbine Inspection Interval Schedule

Inspection Type	Original Plan (GE LTSA)	Current Plan (Transactional Maintenance)
Regular Maintenance	Annually	Annually
Minor Inspection	24,000 hrs.	32,000 hrs.
Major Inspection	48,000 hrs.	64,000 hrs.

As shown in Table 5-4 and Table 5-5, Palomar increased the intervals between hot gas path inspection, major inspection, steam turbine minor inspections, and steam turbine major inspections. The change in intervals coincides with the expiration of the GE Long-Term Service Agreement (LTSA). Typically, an operator will optimize the maintenance interval based on the current state of plant equipment, the ongoing operation (number of starts and operating hours) of the plant, and economic considerations. It is noted that the revised intervals between major maintenance events are consistent with the published GE guidelines for 7FA.04 gas turbines. Should the number of starts significantly increase in the future, the intervals between major maintenance events may be revised.

Combustor inspections, hot gas path inspections, and major inspections are indicated by “CI,” “HGP,” and “MI,” respectively, in Table 5-6 below.

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Table 5-6 — Gas Turbine and Steam Turbine Maintenance History

Year	Month	CT#1	CT#2	Steam Turbine
2006	June	Warranty	Warranty	Warranty
	October	CI (Annual)	CI (Annual)	
2007	May	CI (Annual)		
2008	April	CI (Annual)	CI (Annual)	Annual
2009	April	HGP Compressor Upgrade	HGP Compressor Upgrade	Minor Inspection
2010	April	CI (Annual)	CI (Annual)	Annual
2011	October	CI (Annual)	CI (Annual)	Annual
2012	March	CI (Annual)	CI (Annual)	Annual
2013	August	CI (Annual)	CI (Annual)	Annual
2014	April	Major Inspection	Major Inspection	Major Inspection
2015	April	Annual	Annual	Annual
2016	April	Annual	Annual	Annual LP Rotor Stage L0 Replacement

SDG&E has diligently maintained the major equipment. The maintenance history in Table 5-6 shows that the plant has followed a regular maintenance plan that is in line with industrial norms for gas-fired turbine plants. Moreover, the damage to the steam turbine and step-up generator was resolved in an appropriate manner that returned the plant to normal operation.

Overall, the plant has been maintained in accordance with industry norms for its entire operating life.

5.2 BENCHMARKING ANALYSIS

The goal of the benchmarking analysis is to obtain a sample of the average service life of plants similar to Palomar. The ABB Velocity Suite database was used to collect data for this study. The database utilizes information reported to FERC from the electricity industry for plants in North America. Two peer groups for combined-cycle plants of similar size to Palomar were established using the criteria shown in Table 5-7 and Table 5-8.

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Table 5-7 — Palomar Benchmarking Peer Group 1 Criteria

Criteria	Peer Group Selection
Plant Type	Natural-Gas-Fired, Combined-Cycle Units
Nameplate Capacity	440 – 600 MW
Plant Arrangement	2x2x1 and 3x3x1

The Group 1 benchmarking analysis considered all natural-gas-fired, combined-cycle plants with 2x2x1 and 3x3x1 arrangements and a nameplate capacity between 440 and 600 MW. The database yielded 96 plants under this criteria. The oldest and youngest plants in the group entered commercial operation in 1985 and April 2016, respectively. The oldest plant in the group had been operating for 31 years at the time this report was written (October 2016). All the plants in the peer group are still operating, and the oldest plant is the only site with a projected retirement date (May 2018). If the oldest plant retires as projected, it will have operated for 33 years, which is consistent with the expected service life of a gas-fired, combined-cycle plant of approximately 30 years.

Most of the plants in the peer group are approximately the same vintage as Palomar. The average age of plants in the peer group is 13 years, while Palomar has operated for 10 years to date.

The benchmarking analysis is consistent with the typical expected service life of natural-gas-fired, combined-cycle power plants of 30 years. However, it is possible that the plants in the peer group may operate beyond that life. The results of the benchmarking analysis are shown in Appendix C.

Table 5-8 — Palomar Benchmarking Peer Group 2 Criteria

Criteria	Peer Group Selection
Plant Type	Natural-Gas-Fired, Combined-Cycle Units
Nameplate Capacity	300 – 400 MW
Plant Arrangement	2x2x1, 3x3x1, 4x4x1

The Group 2 benchmarking analysis considered all natural-gas-fired, combined-cycle plants with 2x2x1, 3x3x1, and 4x4x1 arrangements and a nameplate capacity between 300 and 400 MW. The database yielded 80 plants under this criteria, with the following notable characteristics:

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- The oldest and youngest plants in the group entered commercial operation in 1974 and 2015, respectively.
- The oldest plant in the group had been operating for 42 years at the time that this report was written (October 2016).
- There are only three retired plants in the group (4%), with age at retirement ranging from 20 to 28 years. (It is not possible to determine the causes of retirement from the database. It is noted that reasons for a unit to be retired could involve conditions besides technical, maintenance, or performance problems, such as economic factors like environmental factors, fuel cost, power pricing, or a combination of these factors.)
- There are 11 units (14%) that are 24 years and older in service. Six of these units have been in service 30 years or more.
- Many of the plants in the peer group are approximately the same vintage as Palomar. The average age of plants in the peer group is 15 years, while Palomar has operated for 10 years to date.

The Group 2 benchmarking analysis is consistent with the typical expected service life of natural-gas-fired, combined-cycle power plants of 30 years. Since only three of the 80 plants have been retired, it is assumed that most of the peer group plants will operate for longer than 30 years. The results of the benchmarking analysis are shown in Appendix C.

5.3 EVALUATION OF AVERAGE SERVICE LIFE

Generally, combined-cycle power plants based on natural-gas-fired combustion turbines are expected to have a service life of 30 years.

There are a great number of factors that can extend or shorten the service life of such combined-cycle plants. Some factors that shorten the life of a plant are outside the operators' control, such as natural disasters, ambient weather conditions, manufacturer defects, and operational dispatch approach. By in large, the factors that extend the expected service life of a combined-cycle plant are diligent O&M practices and maintenance investment.

All power plant components require regular maintenance. Gas turbines especially require strict maintenance inspection and regular refurbishment and replacement of parts, since sections of the equipment (e.g., blades, nozzles, shrouds, combustion liners, transition pieces, bearings, and eventually the rotor) are exposed to high temperatures and stress. Hot gas path components and the gas turbine rotor are typically rated for 100,000 to 160,000 operating hours or 3,000 to 5,000 starts, for example, and may need to be refurbished or replaced after that duration.

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The gas turbine maintenance and inspection schedule is designed to allow operators to track the wear of components and repair or replace components before a failure occurs. When major plant components reach their expected end-of-life, a lifetime extension program may be implemented. Lifetime extension programs typically include inspection and testing of compressor blades and vanes, flame tube, burner, seal ring, casing, turbine blades, inner casing, and the rotor disc.

In contrast, some plant components, such as steel structures and water piping, have a service life that will far exceed the life of a plant. Steam turbines have been known to operate well past 60 years. In many ways, the investment in maintenance determines the longevity of the plant.

In summary, the average service life of a modern gas-fired, turbine-based, combined-cycle plant is expected to be 30 years, assuming the plant follows diligent O&M practices, invests in upgrades and refurbishments when necessary, and follows OEM procedures (such as using fuel compliant with turbines' specifications). Depending on the O&M practices and level of investment in maintenance, a plant like Palomar may operate for more than 30 years.

5.4 CONCLUSION

The average service life of Palomar is expected to be 30 years or more. However, considering the regional transition to renewable energy resources and other regulatory impacts in California, a reduction in estimated service life may be realistic. Considering the high potential for early retirement of current technologies will allow utilization costs to be more appropriately assigned to ratepayers.

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3. Compass International – Global Construction Costs 2016.
4. Engineering Drawings, Equipment Lists, O&M Records and other information provided by the San Diego Gas & Electric.
5. ABB Velocity Suite (<https://www.velocitysuiteonline.com/RDWeb/Pages/en-US/login.aspx>).
6. Metal Scrap Values in the United States – West Coast (Zone 1) (www.americanrecycler.com).

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Appendix A
Conceptual Estimate of Cost to Dismantle Palomar Energy Center

San Diego Gas & Electric Company
2019 GRC - APP

SARGENT & LUNDY

SDG&E
PALOMAR STATION
DISMANTLEMENT STUDY
COST ESTIMATE

ESTIMATE NO. : 30611B
PROJECT NO. : 12699-004
ISSUE DATE : 01/26/2017
PREPARED BY : BA/GA
APPROVED BY : MNO

FERC. ACC.	DESCRIPTION	SCRAP VALUE	MATERIAL COST	LABOR COST	OTHER DIRECT COST	INDIRECT COST	ESCALATION	CONTINGENCY	TOTAL COST
311	Structures and Improvements		647,493	714,325	144,662			301,296	1,807,776
312	Boiler Plant Equipment	-385,802		2,662,134	346,077			678,803	3,301,213
313	Engines and Engine-Driven Generators								
314	TurboGenerator Units	-145,627	338,200	1,384,594	207,053			415,095	2,199,315
315	Accessory Electric Equipment	-367,185		334,287	43,457			148,986	159,546
316	Miscellaneous Power Plant Equipment	-22,194		118,934	15,461			31,318	143,519
341	Other Production - Structures & Improvements	-20,010		468,195	60,865			109,814	618,864
342	Other Production - Fuel Holders, Producers and Accessories	-68,069		254,370	33,068			71,101	290,470
344	Other Production - Generators	-168,704		1,124,982	146,248			287,987	1,390,512
345	Other Production - Accessory Electric Equipment	-763,987		247,078	32,120			208,637	-276,152
11	ENGINEERING, PROCUREMENT, & PROJECT SERVICES					220,000		44,000	264,000
12	CONSTRUCTION MANAGEMENT SUPPORT					147,841		29,528	177,169
13	S-U/COMMISSIONING								
14	OWNERS COST								
15	EPC FEE								
16	N/A								
	TOTAL CONSTRUCTION COST	-1,941,577	985,693	7,308,899	1,029,012	367,641		2,326,564	10,076,232
	INTEREST DURING CONSTRUCTION (COMPOUNDED MONTHLY)								0
	TOTAL PROJECT COST								10,076,232

H:\INFO\DIV\PROJECTS\San Diego Gas & Electric (SDG&E)\2016 DEMO PROPOSAL\Palomar\30611B PALOMAR DISMANTLEMENT.xlsm\FERC Summary Report

San Diego Gas & Electric Company
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SARGENT & LUNDY

ESTIMATE NO. : 30611B
PROJECT NO. : 12699-004
ISSUE DATE : 01/26/2017
PREPARED BY : BA/GA
APPROVED BY : MNO
LOCATION: San Diego, CA
SDG&E
PALOMAR STATION
DISMANTLEMENT STUDY
SUGGESTED FERC ACCOUNTS / COST ESTIMATE
WAGE RATE: CASAN16
PRODUCTIVITY FACTOR: 1.2

PRICE LEVEL: 2016	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL FERC COST	ACCOUNTS
11-21	DEMOLITION										
11-21-1	CML WORK										
11-21-1	PAVED SURFACES	Steam Plant	3,744	SY			539	146.02	78,714	78,714	311
11-21-2	PAVED SURFACES	Other Production	3,744	SY			539	146.02	78,714	78,714	341
11-21-3	COVER DISTURBED AREAS OF SITE WITH 6" OF TOP SOIL	OFFSITE SUPPLY - 10 MILE ROUND TRIP AND SPREADING	12,907	CY		238,775	542	226.83	122,961	361,736	311
11-21-4	SEED & MULCH SITE		16	AC		21,760	92	106.87	9,849	31,609	311
11-21-5	FLOWABLE FILL BURIED CIRC WATER LINES	84" DIA X 2500LF	3,960	CY		338,200	2,277	101.08	230,157	568,357	314
	11-21 Total					598,735	3,989		520,395	1,119,130	
11-22	CONCRETE										
11-22-1	COMBUSTION TURBINE FDN PLAN	U-1, 2004-005-SF-001	742	CY			753	117.91	88,771	88,771	344
11-22-2	COMBUSTION TURBINE FDN PLAN	U-2, 2004-005-SF-001	742	CY			753	117.91	88,771	88,771	344
11-22-3	COMBUSTION TURBINE AREA MAT @ NORTH END	U-1, 2004-005-SF-005	33	CY			33	117.91	3,914	3,914	344
11-22-4	COMBUSTION TURBINE AREA MAT @ NORTH END	U-2, 2004-005-SF-005	30	CY			31	117.91	3,615	3,615	344
11-22-5	PECC & ACCESSORY MODULE FDN	U-1, 2004-005-SF-006	389	CY			395	117.91	46,528	46,528	344
11-22-6	COMBUSTION TURBINE AREA MAT AT EAST END	U-1, 2004-005-SF-007A	63	CY			85	117.91	9,965	9,965	344
11-22-7	COMBUSTION TURBINE AREA MAT AT EAST END	U-2, 2004-005-SF-007B	121	CY			163	117.91	19,213	19,213	344
11-22-8	STEAM TURBINE GEN FDN BASE MAT	U-3, 2004-005-SF-009	1,342	CY			1,342	117.91	158,198	158,198	314
11-22-9	STEAM TURBINE GEN COLUMNS	U-3, 2004-005-SF-009	707	CY			718	117.91	84,687	84,687	314
11-22-10	STEAM TURBINE ELEVATED SLAB	U-3, 2004-005-SF-011	778	CY			790	117.91	93,109	93,109	314
11-22-11	COOLING TOWER FDN	U-3, 2004-005-SF-021A	1,544	CY			1,567	117.91	184,820	184,820	314
11-22-12	HRSG / STACK FDN	U-1, 2004-005-SF-025	948	CY			963	117.91	113,526	113,526	312
11-22-13	HRSG / STACK FDN	U-2, 2004-005-SF-025	948	CY			963	117.91	113,526	113,526	312
11-22-14	HRSG EAST AREA MAT	U-1, 2004-005-SF-028	197	CY			266	117.91	31,374	31,374	312
11-22-15	HRSG EAST AREA MAT	U-2, 2004-005-SF-028	160	CY			216	117.91	25,469	25,469	312
11-22-16	CTG STEP-UP TRANSFORMER AND AUX TRANSFORMER FDNS	U-1, 2004-005-SF-029A	250	CY			338	117.91	39,795	39,795	345
11-22-17	CTG STEP-UP TRANSFORMER AND AUX TRANSFORMER FDNS	U-2, 2004-005-SF-029B	241	CY			325	117.91	38,330	38,330	345
11-22-18	STG ROTOR REMOVAL PLATFORM FDN	U-3, 2004-005-SF-030	35	CY			47	117.91	5,492	5,492	314
11-22-19	STG STEP-UP TRANSFORMER AND AUX TRANSFORMER FDNS	U-3, 2004-005-SF-031	180	CY			243	117.91	28,684	28,684	315
11-22-20	5 KV SWITCHGEAR MODULE FDN	U-3, 2004-005-SF-033	116	CY			157	117.91	18,465	18,465	315
11-22-21	EXCITATION XFMR & ISOLATION XFMR	U-2, 2004-005-SF-034	49	CY			66	117.91	7,752	7,752	345
11-22-22	AQUEOUS AMMONIA STORAGE TANK AND UNLOADING AREA FDNS	U-2, 2004-005-SF-037	196	CY			265	117.91	31,263	31,263	311
11-22-23	FUEL GAS COMPRESSOR FDN	U-0, 2004-005-SF-040	161	CY			217	117.91	25,580	25,580	342
11-22-24	FINGER RACK AREA MAT	U-1, 2004-005-SF-047A	248	CY			335	117.91	39,460	39,460	341
11-22-25	FINGER RACK AREA MAT	U-2, 2004-005-SF-047B	236	CY			319	117.91	37,598	37,598	341
11-22-26	WEST AREA MAT @ TUR-CTG1-01	U-1, 2004-005-SF-053	142	CY			192	117.91	22,603	22,603	341
11-22-27	WEST AREA MAT @ TUR-CTG2-01	U-2, 2004-005-SF-054	143	CY			193	117.91	22,794	22,794	341
11-22-28	COOLING TOWER CHEMICAL FEED BLDG AND UNLOADING CONTAINMENT FDNS	U-2, 2004-005-SF-060A & B	239	CY			323	117.91	38,091	38,091	314

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PALOMAR STATION
DISMANTLEMENT STUDY
SUGGESTED FERC ACCOUNTS / COST ESTIMATE
WAGE RATE: CASAN16
PRODUCTIVITY FACTOR: 1.2

CODE OF ACCOUNT	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL FERC COST	ACCOUNTS
11-22-29	STG WEST AREA MAT	U-3, 2004-005-SF-061	49	CY			66	117.91	7,832	7,832	312
11-22-30	TRAVELLING TOWER CONSTRUCTION CRANE FDN	U-0 2004-005-SF-078	117	CY			158	117.91	18,624	18,624	312
11-22-31	STATIONARY TOWER CONSTRUCTION CRANE FDN	U-0 2004-005-SF-079	162	CY			219	117.91	25,787	25,787	312
11-22-32	STG NORTH AREA MAT	U-0 2004-005-SF-080A	341	CY			460	117.91	54,280	54,280	312
11-22-33	RO PERMEATE STORAGE TANK FDN	U-0 2004-005-SF-082	25	CY			34	117.91	4,043	4,043	312
11-22-34	RAW WATER STORAGE TANK FDN	U-0 2004-005-SF-089	57	CY			77	117.91	9,105	9,105	312
11-22-35	DEMIN WATER STORAGE TANK FDN	U-0 2004-005-SF-090	52	CY			70	117.91	8,198	8,198	312
11-22-36	THERMAL ENERGY STORAGE (TES) TANK FDN	U-0 2004-005-SF-090	364	CY			491	117.91	57,941	57,941	312
11-22-37	MISC FDNS	U-0 2004-005-SF, 50% Steam Plant	278	CY			375	117.91	44,252	44,252	311
11-22-37	MISC FDNS	U-0 2004-005-SF, 50% Other Plant	278	CY			375	117.91	44,252	44,252	341
11-22-38	ADMINISTRATION/WAREHOUSE/SHOP WT BLDG	U-0, 130'X34'X2'+100'X11'X2' - 50% Steam Plant	205	CY			276	117.91	32,552	32,552	311
11-22-38	ADMINISTRATION/WAREHOUSE/SHOP WT BLDG	U-0, 130'X34'X2'+100'X11'X2' - 50% Other Plant	205	CY			276	117.91	32,552	32,552	341
11-22-39	CHILLER PREFAB FLDG	U-3, S200	467	CY			630	117.91	74,336	74,336	311
11-22-40	TOOL STORAGE BLDG (#127)	50% Steam Plant	67	CY			90	117.91	10,665	10,665	311
11-22-41	TOOL STORAGE BLDG (#127)	50% Other Plant	67	CY			90	117.91	10,665	10,665	341
11-22-42	WATER LAB	U-0, 40'X35'X2'	104	CY			140	117.91	16,555	16,555	311
11-22-43	FAB SHOP	U-0, 20'X40'X2'	59	CY			80	117.91	9,392	9,392	311
11-22-44	NEW SWITCHGEAR BUILDING	U-0, 5'X35'X2'	13	CY			18	117.91	2,069	2,069	315
11-22-45	NEW CT2 LCI/W/PDC BUILDING	U-2, 12'X20'X2'	17	CY			23	117.91	2,706	2,706	345
11-22-46	DIESEL GENERATOR FDN	U-0, 12'X26'X1.5'	18	CY			24	117.91	2,865	2,865	315
11-22-47	GANTRY CRANE FDN		95	CY			128	117.91	15,122	15,122	311
11-22 Total							16,158		1,905,184	1,905,184	
11-23	STEEL		455	TN							
11-23-1	EXHAUST STACK	INCLUDED WITH HRSG		TN				107.16			312
11-23-2	EXHAUST STACK	INCLUDED WITH HRSG		TN				107.16			312
11-23-3	GENTRY CRANE		225	TN	-19,575		721	107.16	77,310	57,735	316
11-23-4	BRIDGE CRANE	ALLOWANCE	230	TN	-20,010		737	107.16	79,028	59,018	341
11-23 Total							1,459		156,337	116,752	
11-24	ARCHITECTURAL		538,501	CF							
11-24-1	ADMINISTRATION BLDG (#801)	U-2, 70'X90'X25' HIGH - 50% Steam Plant	78,750	CF			378	117.16	44,286	44,286	311
11-24-2	ADMINISTRATION BLDG (#801)	U-2, 70'X90'X25' HIGH - 50% Other Plant	78,750	CF			378	117.16	44,286	44,286	341
11-24-3	CHILLER BLDG (#122)	U-0, 140'X45'X25' STEEL BLDG	157,500	CF			756	117.16	88,573	88,573	311
11-24-4	PROCESS BUILDING	U-0, 40'X90'25' STEEL BLDG	90,000	CF			432	117.16	50,613	50,613	311
11-24-5	TOOL STORAGE BLDG (#127)	U-0, 40'X90'25' STEEL BLDG - 50% Steam Plant	45,000	CF			216	117.16	25,307	25,307	311
11-24-6	TOOL STORAGE BLDG (#127)	U-0, 40'X90'25' STEEL BLDG - 50% Other Plant	45,000	CF			216	117.16	25,307	25,307	341
11-24-7	ELECTRICAL EQUIPMENT/CONTROL BLDG	U-0, 30'X90'X25' - 50% Steam Plant	33,750	CF			162	117.16	18,980	18,980	311

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APPROVED BY : MNO
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SDG&E
PALOMAR STATION
DISMANTLEMENT STUDY
SUGGESTED FERC ACCOUNTS / COST ESTIMATE
WAGE RATE: CASAN16
PRODUCTIVITY FACTOR: 1.2

CODE OF ACCOUNT	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL FERC COST	ACCOUNTS
11-24-8	ELECTRICAL EQUIPMENT/CONTROL BLDG	U-0, 30'X90'X25' - 50% Other Plant	33,750	CF			162	117.16	18,980	18,980	341
11-24-9	WATER LAB	U-0, 40'X35'X25'	35,000	CF			168	117.16	19,683	19,683	311
11-24-10	FAB SHOP	U-0, 20'X40'X18'	14,400	CF			69	117.16	8,098	8,098	341
11-24-11	NEW SWITCHGEAR BUILDING	U-0, 5'X35'X18'	3,150	CF			15	117.16	1,771	1,771	315
11-24-12	NEW CT2 LCI W/PDC BUILDING	U-2, 12'X20'X9'	2,200	CF			11	117.16	1,237	1,237	315
11-24-13	NEW ELEVATOR	1 LS	1	LS			240	107.16	25,718	25,718	316
11-24 Total							3,203		372,840	372,840	
11-31	MECHANICAL EQUIPMENT		9,230	TN							
11-3113	BOILER (STEAM GENERATOR) COMPLETE										312
11-3113-1	HEAT RECOVERY STEAM GENERATORS (HRSG'S)	U-1, 3-PRESS HRSG W/REHEAT SUPPLEMENTAL DUCT BURNERS INCL INTEGRAL DEAERATOR, SCR INC 110' STACK	2,156	TN	-187,533		9,234	107.16	989,556	802,023	312
11-3113-2	HEAT RECOVERY STEAM GENERATORS (HRSG'S)	U-2, 3-PRESS HRSG W/REHEAT SUPPLEMENTAL DUCT BURNERS INCL INTEGRAL DEAERATOR, SCR INC 110' STACK	2,156	TN	-187,533		9,234	107.16	989,556	802,023	312
11-3117	COMPRESSOR & ACCESSORIES										
11-3117-1	NATURAL GAS COMPRESSOR	U-0, 3 @ 2300 HP EA INCL VOLUME TANKS AND AFTERCOOLERS	300	TN	-26,100		810	107.16	86,800	60,700	342
11-3117-2	AIR COMPRESSOR, CENTRIFUGAL	U-0, 2 @ 1335 SCFM STATION	9	TN	-783		24	107.16	2,604	1,821	316
11-3117-3	CT INLET CHILLER COMPRESSORS	U-1	220	TN	-19,140		594	107.16	63,653	44,513	342
11-3117-4	CT INLET CHILLER COMPRESSORS	U-2	220	TN	-19,140		594	107.16	63,653	44,513	342
11-3121	CONDENSER & ACCESSORIES	U-3, SURFACE CONDENSER 2 PASS	366	TN	-31,842		988	107.16	105,896	74,054	314
11-3123	COOLING TOWER	U-3, 7-CELL INLINE WET WOOD COUNTERFLOW, MARLEY	350	TN	-30,450		945	107.16	101,266	70,816	314
11-3165	HEAT EXCHANGERS										
11-3165-1	CCW HEAT EXCHANGER	U-3, 2 EA, SS PLATE & FRAMED DESIGN, 7000 GPM	1	TN	-87		4	107.16	459	372	314
11-3165-2	FUEL GAS PREHEAT	U-3, 2 SHELL & TUBE HT EX	1	TN	-87		4	107.16	459	372	342
11-3165-3	CT LUBE OIL SYSTEM INCL FIN FAN COOLER	U-1	3	TN	-261		13	107.16	1,377	1,116	344
11-3165-4	CT LUBE OIL SYSTEM INCL FIN FAN COOLER PUMPS	U-2	3	TN	-261		13	107.16	1,377	1,116	344
11-3175-1	CONDENSATE PUMPS	U-0, 3 @ 1400 GPM & 625 TDH, 300 HP	4	TN	-348		13	107.16	1,374	1,026	314
11-3175-2	CIRC WTR PUMPS	U-3, 2 @ 65000 GPM & 100 TDH, 1750 HP	20	TN	-1,740		64	107.16	6,872	5,132	314
11-3175-3	BACKUP CIRC WTR MAKEUP PUMP	U-3, 1, -40 HP	0.2	TN	-17		1	107.16	69	51	314
11-3175-4	BOILER FEED PUMPS	U-1, 2 @ 1350 GPM FOR HRSGS, 2150 HP	3	TN	-261		10	107.16	1,031	770	312
11-3175-5	BOILER FEED PUMPS	U-2, 2 @ 1350 GPM FOR HRSGS, 2150 HP	5	TN	-435		16	107.16	1,718	1,283	312

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CODE OF ACCOUNT	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL FERC COST	ACCOUNTS
11-3175-6	FIRE PUMPS	U-0, 2 @ 1500 GPM @ 125 PSI, 300 HP	1.5	TN	-131		5	107.16	515	385	316
11-3175-7	CLOSED COOLING WATER	U-3, 2 @ 7000 GPM @ 213 TDH, 550 HP	4	TN	-348		13	107.16	1,374	1,026	314
11-3175-8	AUXILIARY COOLING WATER	U-3, 1 @ 2400GPM	1	TN	-87		3	107.16	344	257	314
11-3175-9	COOLING TOWER MAKEUP	U-3, 1 @ 4550 GPM & 65' TDH	1	TN	-87		3	107.16	344	257	314
11-3175-10	CONDENSATE TRANSFER	NOT INCLUDED		TN				107.16			314
11-3175-11	DEMIN WTR PUMPS	U-3, 2 @ 290 GPM & 90' TDH, 20 HP	0.2	TN	-17		1	107.16	69	51	312
11-3175-12	EVAP COOLERS BLEND WATER PUMPS	U-3, 2 @ 125 GPM & 148 TDH	1	TN	-87		3	107.16	344	257	342
11-3175-13	FUEL OIL UNLOADING	NOT INCLUDED		TN				107.16			342
11-3175-14	FUEL OIL FORWARDING PUMPS	NOT INCLUDED		TN				107.16			342
11-3175-15	DIRTY CLEAN OIL TRANSFER PUMPS	NOT INCLUDED		TN				107.16			342
11-3175-16	RAW WATER RO SUPPLY PUMPS	U-0, 3 @ 270 GPM & 180' TDH, 15 HP	0.2	TN	-17		1	107.16	69	51	312
11-3175-17	WASTE WATER DISCHARGE PUMPS	NOT INCLUDED		TN				107.16			312
11-3175-18	HRSG BLOWDOWN SUMP PUMPS	U-1, 1 @ 500 GPM & 50' TDH VERTICAL, 20 HP	0.2	TN	-17		1	107.16	69	51	316
11-3175-19	HRSG BLOWDOWN SUMP PUMPS	U-2, 1 @ 500 GPM & 50' TDH VERTICAL, 20 HP	0.2	TN	-17		1	107.16	69	51	316
11-3175-20	WASTEWATER SUMP PUMPS	U-1, 1 @ 600 GPM & 46' TDH VERTICAL, 20HP	0.2	TN	-17		1	107.16	69	51	342
11-3175-21	WASTEWATER SUMP PUMPS	U-2, 1 @ 600 GPM & 46' TDH VERTICAL, 20 HP	0.2	TN	-17		1	107.16	69	51	342
11-3175-22	SERVICE WATER PUMPS	U-0, 1 @ 300 GPM & 145' TDH, 25 HP	0.2	TN	-17		1	107.16	69	51	316
11-3175-23	CONDENSATE PUMPS	U-0, 3 @ 1400 GPM & 625 TDH, 300 HP	4.5	TN	-392		14	107.16	1,546	1,155	314
11-3175-24	VACUUM PUMPS	U-0, 2 @ 75 HP	0.6	TN	-52		2	107.16	206	154	314
11-3183	TANKS										
11-3183-1	DEMIN WATER STORAGE TANK (#032)	U-0, 200000 GALLON, 38' DIA X 25' HIGH	28	TN	-2,436		90	107.16	9,621	7,185	312
11-3183-2	RAW/FIRE WATER STORAGE TANK (#034)	U-0 730000 GALLON, 58' DIA X 40' HIGH - 50% Steam Plant	40	TN	-3,480		128	107.16	13,744	10,264	312
11-3183-3	RAW/FIRE WATER STORAGE TANK (#034)	U-0 730000 GALLON, 58' DIA X 40' HIGH - 50% Other Plant	40	TN	-3,480		128	107.16	13,744	10,264	342
11-3183-4	RO PERMEATE STORAGE TANK (#674)	U-0, 60000 GALLON, 25' DIA X 18' HIGH	11	TN	-957		35	107.16	3,780	2,823	312
11-3183-5	AQUEOUS AMMONIA STORAGE TANK (#164)	U-0, 20000 GALLON,	6	TN	-522		19	107.16	2,062	1,540	312
11-3183-6	THERMAL ENERGY STORAGE (TES) TANK (#119)	U-0 3600000 GALLON, 120' DIA X 48' HIGH - CONCRETE	1,052	CY			1,420	117.91	167,456	167,456	312
11-3185	TURBINE, COMBUSTION (CT) COMPLETE										

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SARGENT & LUNDY

PRICE LEVEL: 2016	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL FERC COST	ACCOUNTS
11-3185-1	COMBUSTION TURBINE (CT) WITH ACCESSORIES	U-1, GE PG7241FA CT - NOMINAL 170 MW, FIRING NATURAL GAS ONLY, W DRY LOW NOX BURNERS, INLET AIR FILTERS SILENCING & EVAP COOLERS, 180X75X31" INLET CHILLER COILS	854	TN	-74,298		3,659	107.16	392,049	317,751	344
11-3185-2	COMBUSTION TURBINE (CT) WITH ACCESSORIES	U-1, GE PG7241FA CT - NOMINAL 170 MW, FIRING NATURAL GAS ONLY, W DRY LOW NOX BURNERS, INLET AIR FILTERS SILENCING & EVAP COOLERS, 180X75X31" INLET CHILLER COILS	854	TN	-74,298		3,659	107.16	392,049	317,751	344
11-3191	STEAM TURBINE	235 MW CONDENSING REHEAT TURBINE W STANDARD ACCESSORIES	465	TN	-40,412		1,990	107.16	213,240	172,828	314
11-3193	WATER TREATING EQUIPMENT		30	TN	-2,610		129	107.16	13,772	11,162	312
11-3195	1.6 MW DIESEL GENERATOR		19	TN	-1,653		81	107.16	8,722	7,069	316
	11-31 Total				-711,469		33,948		3,653,110	2,941,642	
11-35	PIPING		461	TN							
11-35-1	LARGE BORE PIPING ABOVE GROUND PIPING	U1, 14,000 LF/UNIT - 67% Steam Plant	222	TN	-19,271		710	107.16	76,108	56,837	314
11-35-2	LARGE BORE PIPING ABOVE GROUND PIPING	U1, 14,000 LF/UNIT - 33% Other Plant	109	TN	-9,492		350	107.16	37,486	27,994	344
11-35-3	LARGE BORE PIPING ABOVE GROUND PIPING	U2, 14,300 LF/UNIT - 67% Steam Plant	236	TN	-20,495		755	107.16	80,942	60,447	314
11-35-4	LARGE BORE PIPING ABOVE GROUND PIPING	U2, 14,300 LF/UNIT - 33% Other Plant	116	TN	-10,094		372	107.16	39,867	29,773	344
11-35-5	FIRE LINES & HYDRANTS	U-0, ABANDON UNDERGND LINES REMOVE HYDRANTS, 50% Steam Plant	1	LT			36	107.16	3,858	3,858	316
11-35-6	FIRE LINES & HYDRANTS	U-0, ABANDON UNDERGND LINES REMOVE HYDRANTS, 50% Other Plant	1	LT			36	107.16	3,858	3,858	341
	11-35 Total				-59,351		2,259		242,118	182,767	
11-41	ELECTRICAL EQUIPMENT		196	TN							
11-41-1	ELECTRICAL EQUIPMENT	U=0, CONTROL RM, 50% Steam Plant	1	LT			60	107.16	6,430	6,430	315
11-41-2	ELECTRICAL EQUIPMENT	U=0, CONTROL RM, 50% Other Plant	1	LT			60	107.16	6,430	6,430	345
11-41-3	GENERATOR BUS TRANSFORMERS AND MISC ELECT EQUIPMENT	U-1, ACCESSORY ELECTRICAL EQUIPMENT, 67% Steam Plant	42	TN	-3,672		135	107.16	14,503	10,831	315
11-41-4	GENERATOR BUS TRANSFORMERS AND MISC ELECT EQUIPMENT	U-1, ACCESSORY ELECTRICAL EQUIPMENT, 33% Other Plant	21	TN	-1,809		67	107.16	7,143	5,335	345
11-41-5	GENERATOR BUS TRANSFORMERS AND MISC ELECT EQUIPMENT	U-2, ACCESSORY ELECTRICAL EQUIPMENT, 67% Steam Plant	42	TN	-3,672		135	107.16	14,503	10,831	315
11-41-6	GENERATOR BUS TRANSFORMERS AND MISC ELECT EQUIPMENT	U-2, ACCESSORY ELECTRICAL EQUIPMENT, 33% Other Plant	21	TN	-1,809		67	107.16	7,143	5,335	345
11-41-7	OUTDOOR LIGHTING	U-0, INCL LIGHT POLES	1	LT			180	117.91	21,224	21,224	311

San Diego Gas & Electric Company
2019 GRC - APP

SARGENT & LUNDY

ESTIMATE NO. : 30611B
PROJECT NO. : 12699-004
ISSUE DATE : 01/26/2017
PREPARED BY : BA/GA
APPROVED BY : MNO
LOCATION: San Diego, CA
SDG&E
PALOMAR STATION
DISMANTLEMENT STUDY
SUGGESTED FERC ACCOUNTS / COST ESTIMATE
WAGE RATE: CASAN16 PRODUCTIVITY FACTOR: 1.2

PRICE LEVEL: 2016	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL FERC COST	ACCOUNTS
11-41-8	STATION AUX TRANSFORMERS AND MISC ELECTRICAL EQUIP	U-1	35	TN	-3,045		112	107.16	12,026	8,981	345
11-41-9	STATION AUX TRANSFORMERS AND MISC ELECTRICAL EQUIP	U-2	35	TN	-3,045		112	107.16	12,026	8,981	345
	11-41 Total				-17,062		928		101,428	84,376	
11-42	RACEWAY, CABLE TRAY, & CONDUIT										
11-42-1	CONDUIT	Steam Plant 67% U-1	64,850	LF			362	107.16	38,770	38,770	315
11-42-2	CONDUIT	Other Plant 33% U-1	30,150	LF			178	107.16	19,096	19,096	345
11-42-3	CONDUIT	Steam Plant 67% U-2	30,150	LF			362	107.16	38,770	38,770	315
11-42-4	CONDUIT	Other Plant 33% U-2	14,850	LF			178	107.16	19,096	19,096	345
11-42-5	TRAY	Steam Plant 67% U-1	1,675	LF			80	107.16	8,616	8,616	315
11-42-6	TRAY	Other Plant 33% U-1	825	LF			40	107.16	4,244	4,244	345
11-42-7	TRAY	Steam Plant 67% U-2	1,675	LF			80	107.16	8,616	8,616	315
11-42-8	TRAY	Other Plant 33% U-2	825	LF			40	107.16	4,244	4,244	345
	11-42 Total						1,320		141,451	141,451	
11-43	CABLE										
11-43-1	MV CABLE	Steam Plant 67% U-1	338,000	LF			233	107.16	24,985	24,985	315
11-43-2	MV CABLE	Other Plant 33% U-1	19,430	LF			115	107.16	12,306	12,306	345
11-43-3	MV CABLE	Steam Plant 67% U-2	19,430	LF			233	107.16	24,985	24,985	315
11-43-4	MV CABLE	Other Plant 33% U-2	9,570	LF			115	107.16	12,306	12,306	345
11-43-5	LV CABLE	Steam Plant 67% U-1	67,000	LF			402	107.16	43,078	43,078	315
11-43-6	LV CABLE	Other Plant 33% U-1	33,000	LF			198	107.16	21,218	21,218	345
11-43-7	LV CABLE	Steam Plant 67% U-2	67,000	LF			402	107.16	43,078	43,078	315
11-43-8	LV CABLE	Other Plant 33% U-2	33,000	LF			198	107.16	21,218	21,218	345
11-43-9	CONTROL CABLE	U-1, ABANDONED	40,000	LF							
11-43-10	LV CABLE	U-2, ABANDONED	40,000	LF							
	11-43 Total						1,896		203,175	203,175	
11-44	CONTROL & INSTRUMENTATION										
			1	LT			120	107.16	12,859	12,859	315
	11-44 Total						120		12,859	12,859	
11-98	WASTE										
11-98-1	CONCRETE DEBRIS	DISPOSED AT THE RECYCLING CENTER	14,698	CY		293,958		107.16		293,958	311
11-98-2	RUBBISH & TENANT DEBRIS		1,550	CY		93,000		107.16		93,000	311
	11-98 Total					386,958				386,958	
11-81	SCRAP VALUE - COPPER										
11-81	STEEL	VALUE LISTED INDIV ACCOUNTS	9,289	TN				107.16			311
11-81	COPPER		242	TN				107.16			
11-81-1	COPPER	Steam Plant	80	TN	-276,800			107.16		-276,800	315
11-81-2	COPPER	U1 - Other Plant	70	TN	-242,200			107.16		-242,200	345
11-81-3	COPPER	U2 - Other Plant	70	TN	-242,200			107.16		-242,200	345
11-81-4	COPPER	U1, AUX TRANSFORMER	15	TN	-51,900			107.16		-51,900	345

San Diego Gas & Electric Company
2019 GRC - APP

SARGENT & LUNDY

ESTIMATE NO. : 30611B
PROJECT NO. : 12699-004
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PREP/REV : BA/GA
APPROVED : MNO
LOCATION: San Diego, CA
SDG&E
PALOMAR STATION
DISMANTLEMENT STUDY
SUGGESTED FERC ACCOUNTS / COST ESTIMATE
WAGE RATE: CASAN16
PRODUCTIVITY FACTOR: 1.2

PRICE LEVEL: 2016	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL FERC ACCOUNTS COST
11-81-5	COPPER	U2, AUX TRANSFORMER	15	TN	-51,900			107.16		-51,900
11-81-6	COPPER	STEAM TURBINE GEN	24	TN	-83,040			107.16		-83,040
11-81-7	COPPER	U1 CT GEN	24	TN	-83,040			107.16		-83,040
11-81-8	COPPER	U2 CT GEN	24	TN	-83,040			107.16		-83,040
	11-81 Total				-1,114,120		65,281		7,308,899	-1,114,120
	11 Total				-1,941,577	985,693	65,281		7,308,899	6,353,015
90	SUBTOTAL DIRECT & CONSTRUCTION INDIRECT COST									
91	OTHER DIRECT & CONSTRUCTION INDIRECT COST									
91-1	SCAFFOLDING - NOT REQUIRED			%						
91-2	COST DUE TO OVERTIME WORKING 5-10 HOUR DAYS		1.0	EA						
91-3	PER DIEM	NONE		S/HR						
91-4	CONSUMABLES - INCLUDED IN WAGE RATES			%						
91-5	FREIGHT ON MATERIAL - INCLUDED IN MATERIAL COST			%						
91-6	FREIGHT ON EQUIPMENT - INCL IN EQUIPMENT COST			%						
91-7	SALES TAX - NOT INCLUDED			%						
91-8	N/A - NOT INCLUDED			%						
91-9	CONTRACTOR'S GENERAL AND ADMINISTRATION EXPENSE - % of ACCT NO. 90		5.0	%					365,445	365,445
91-10	CONTRACTOR'S PROFIT - % of ACCT NO. 90		8.0	%		78,855			584,712	663,567
	91 - SUBTOTAL					78,855			950,157	1,029,012
92	TOTAL DIRECT & CONSTRUCTION INDIRECT COST									
					-1,941,577	1,064,548	65,281		8,259,056	7,382,027
93	INDIRECT COST									
93-1	ENGINEERING, PROCUREMENT, & PROJECT SERVICES - % of ACCT NO. 92		1.0	LS						220,000
93-2	CONSTRUCTION MANAGEMENT SUPPORT - % of ACCT NO. 92		2.0	%						147,641
93-3	S-U / COMMISSIONING - NOT INCLUDED			%						
93-4	N/A - NOT INCLUDED			%						
93-5	OWNERS COST - NOT INCLUDED			%						
93-6	EPC FEE - NOT INCLUDED			%						
	93 - TOTAL									367,641
94	TOTAL ESCALATION									

SARGENT & LUNDY

ESTIMATE NO. : 30611B
 PROJECT NO. : 12699-004
 ISSUE DATE : 01/26/2017
 PREP/REV : BA/GA
 APPROVED : MNO
 PRICE LEVEL: 2016 LOCATION: San Diego, CA
 SDG&E
 PALOMAR STATION
 DISMANTLEMENT STUDY
 SUGGESTED FERC ACCOUNTS / COST ESTIMATE
 WAGE RATE: CASAN16 PRODUCTIVITY FACTOR: 1.2

CODE OF ACCOUNT	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL FERC ACCOUNTS COST
95	TOTAL CONTINGENCY									
95-1	CONTINGENCY ON SCRAP VALUE - % of ACCT NO. 92, 94.1		-20.0	%	388,315					388,315
95-2	CONTINGENCY ON MATERIAL - % of ACCT NO. 92, 94.2		20.0	%		212,910				212,910
95-3	CONTINGENCY ON LABOR - % of ACCT NO. 92, 94.3		20.0	%				1,651,811		1,651,811
95-4	CONTINGENCY ON INDIRECT - % of ACCT NO. 93, 94.4		20.0	%					73,528	73,528
96	TOTAL CONSTRUCTION COST									
97	INTEREST DURING CONSTRUCTION (COMPOUNDED MONTHLY)									
98	TOTAL PROJECT COST									
										10,076,232

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Appendix B
Conceptual Estimate of Cost — FERC Accounts

San Diego Gas & Electric Company
2019 GRC - APP

SARGENT & LUNDY

SDG&E
PALOMAR STATION
DISMANTLEMENT STUDY
COST ESTIMATE

ESTIMATE NO. : 30611B
PROJECT NO. : 12699-004
ISSUE DATE : 01/26/2017
PREPARED BY : BA/GA
APPROVED BY : MNO

FERC. ACC.	DESCRIPTION	SCRAP VALUE	MATERIAL COST	LABOR COST	OTHER DIRECT COST	INDIRECT COST	ESCALATION	CONTINGENCY	TOTAL COST
311	Structures and Improvements		647,493	714,325	144,662			301,296	1,807,776
312	Boiler Plant Equipment	-385,802		2,662,134	346,077			678,803	3,301,213
313	Engines and Engine-Driven Generators								
314	TurboGenerator Units	-145,627	338,200	1,384,594	207,053			415,095	2,199,315
315	Accessory Electric Equipment	-367,185		334,287	43,457			148,986	159,546
316	Miscellaneous Power Plant Equipment	-22,194		118,934	15,461			31,318	143,519
341	Other Production - Structures & Improvements	-20,010		468,195	60,865			109,814	618,864
342	Other Production - Fuel Holders, Producers and Accessories	-68,069		254,370	33,068			71,101	290,470
344	Other Production - Generators	-168,704		1,124,982	146,248			287,987	1,390,512
345	Other Production - Accessory Electric Equipment	-763,987		247,078	32,120			208,637	-276,152
11	ENGINEERING, PROCUREMENT, & PROJECT SERVICES					220,000		44,000	264,000
12	CONSTRUCTION MANAGEMENT SUPPORT					147,841		29,528	177,169
13	S-U/COMMISSIONING								
14	OWNERS COST								
15	EPC FEE								
16	N/A								
	TOTAL CONSTRUCTION COST	-1,941,577	985,693	7,308,899	1,029,012	367,841		2,326,564	10,076,232
	INTEREST DURING CONSTRUCTION (COMPOUNDED MONTHLY)								0
	TOTAL PROJECT COST								10,076,232

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Appendix C
Benchmarking Peer Group Dataset

ABB Velocity Suite Database
Peer Group
Natural Gas fired Combined Cycles
Nameplate Rating: 300 - 400 MW

Plant State	Prime Mover Category	Generator Manufacturer	Generator Model	Nameplate Capacity MW	Unit Status	Commercial Online Date	Retirement Date	Proposed Retirement Date	Unit Age (Years)	Number of Combined Cycles (only)	Number of Steam Turbines (Combined Cycles)	Primary Fuel Code
1 Alabama	CC	General Electric Co	General Electric Co-MS7001FAGT	317.400	Operating	12/1/2009			15	4	1	1 NG
2 California	CC	General Electric Co	General Electric Co-MS7001FAGT	336.100	Operating	11/1/2012			4	2	2	1 NG
3 Texas	CC	General Electric Co	GT/General Electric Co-Unknown	324.000	Operating	8/1/2004			12	1	1	1 NG
4 South Dakota	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-SGT6-5000F/Siemens Power Generation Inc-Unknown	348.900	Operating	8/2/2009			7	1	1	1 NG
5 New York	CC	Siemens Power Generation Inc/Siemens AG	Siemens Power Generation Inc-Unknown/Siemens AG-501F	302.300	Operating	5/23/2000			16	1	1	1 NG
6 Louisiana	CC	Siemens Power Generation Inc/Siemens AG	Siemens Power Generation Inc-Unknown/Siemens AG-501G	339.300	Operating	10/4/2003			13	1	1	1 NG
7 Sonora	CC	Siemens Power Generation Inc/Siemens AG	Siemens Power Generation Inc-Unknown/Siemens AG-501G	382.000	Operating	12/30/2009			6	2	2	1 NG
8 Pueblo	CC	ALSTOM/General Electric Co	ALSTOM-Unknown/General Electric Co-MS7001FAGT	358.400	Operating	4/10/2003			13	1	1	1 NG
9 Texas	CC	ALSTOM/General Electric Co	ALSTOM-Unknown/General Electric Co-MS7001FAGT	358.400	Operating	4/10/2003			13	1	1	1 NG
10 Texas	CC	ALSTOM/General Electric Co	ALSTOM-Unknown/General Electric Co-MS7001FAGT	358.400	Operating	4/10/2003			13	1	1	1 NG
11 Texas	CC	ALSTOM/General Electric Co	ALSTOM-Unknown/General Electric Co-MS7001FAGT	358.400	Operating	4/10/2003			13	1	1	1 NG
12 Texas	CC	ALSTOM/Siemens Power Generation Inc	ALSTOM-Unknown/Siemens Power Generation Inc-Unknown	376.000	Operating	12/1/1991			24	2	2	1 NG
13 Virginia	CC	ALSTOM/Siemens Power Generation Inc	ALSTOM-Unknown/Siemens Power Generation Inc-Unknown	376.000	Operating	1/1/1992			24	2	2	1 NG
14 Virginia	CC	ALSTOM/Siemens Power Generation Inc	ALSTOM-Unknown/Siemens Power Generation Inc-Unknown	376.000	Operating	1/1/1992			24	2	2	1 NG
15 Texas	CC	Siemens Power Generation Inc/General Electric Co	Siemens Power Generation Inc-Unknown/General Electric Co-Unknown	362.000	Retired	2/1/1983	1/31/2007		24	3	3	3 NG
16 Louisiana	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-Unknown	377.280	Operating	3/1/1983			33	3	3	4 NG
17 Louisiana	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-Unknown	333.600	Operating	12/1/1996			19	2	2	3 NG
18 Indiana	CC	Siemens Power Generation Inc/General Electric Co	Siemens Power Generation Inc-Unknown/General Electric Co-Unknown	338.000	Operating	6/7/2003			13	3	3	1 NG
19 Illinois	CC	General Electric Co	General Electric Co-MS7001FAGT	344.000	Operating	3/7/2003			14	1	1	1 NG
20 Illinois	CC	General Electric Co	General Electric Co-MS7001FAGT	314.000	Operating	4/1/2003			14	1	1	1 NG
21 Illinois	CC	General Electric Co	General Electric Co-MS7001FAGT	314.000	Operating	4/1/2003			14	1	1	1 NG
22 Illinois	CC	General Electric Co	General Electric Co-MS7001FAGT	314.000	Operating	4/1/2003			14	1	1	1 NG
23 Texas	CC	General Electric Co	General Electric Co-MS7001FAGT	338.000	Retired	2/1/2011		12/31/2004	5	2	2	1 NG
24 California	CC	General Electric Co	General Electric Co-Unknown	332.000	Retired	12/1/1976			28	1	1	1 NG
25 Missouri	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-Unknown	340.500	Operating	6/22/2001			15	2	2	1 NG
26 Baja California	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-501FD	336.500	Operating	6/30/2003			13	1	1	1 NG
27 Alberta	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-501FD	300.000	Operating	3/31/2003			13	1	1	1 NG
28 Louisiana	CC	General Electric Co	General Electric Co-S107FA (CC)	301.300	Operating	8/1/2002			14	1	1	1 NG
29 Louisiana	CC	General Electric Co	General Electric Co-S107FA (CC)	301.300	Operating	8/1/2002			14	1	1	1 NG
30 Louisiana	CC	General Electric Co	General Electric Co-S107FA (CC)	301.300	Operating	8/1/2002			14	1	1	1 NG
31 Minnesota	CC	General Electric Co	General Electric Co-MS7001FAGT	334.500	Operating	7/21/2007			14	1	1	1 NG
32 Florida	CC	General Electric Co	General Electric Co-MS7001FAGT	323.500	Operating	7/12/2011			5	1	1	1 NG
33 Delaware	CC	General Electric Co	General Electric Co-Unknown	309.200	Operating	6/1/2015			1	1	1	1 NG
34 New Jersey	CC	General Electric Co	General Electric Co-Unknown	308.400	Operating	3/1/1992			24	2	2	1 NG
35 Illinois	CC	Siemens AG	Siemens AG-501F	333.700	Operating	7/1/2001			15	1	1	1 NG
36 Illinois	CC	Siemens AG	Siemens AG-501F	313.600	Operating	7/1/2001			15	1	1	1 NG
37 Oklahoma	CC	General Electric Co	General Electric Co-PG7241 (PA)	301.300	Operating	2/28/2002			14	1	1	1 NG
38 Oklahoma	CC	General Electric Co	General Electric Co-PG7241 (PA)	301.300	Operating	2/28/2002			14	1	1	1 NG
39 Oklahoma	CC	General Electric Co	General Electric Co-PG7241 (PA)	301.300	Operating	2/28/2002			14	1	1	1 NG
40 Virginia	CC	ALSTOM	ALSTOM-Unknown	399.000	Operating	3/1/1990			26	3	3	1 NG
41 Idaho	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-SGT6-5000F	338.500	Operating	6/29/2012			4	1	1	1 NG
42 Missouri	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-98A-3A	322.000	Operating	7/1/2000			16	1	1	1 NG
43 California	CC	ABB Power Generation Ltd/ALSTOM	ABB Power Generation Ltd-Unknown/ALSTOM-Unknown	300.000	Operating	1/9/2003			13	1	1	1 NG
44 California	CC	ABB Power Generation Ltd/ALSTOM	ABB Power Generation Ltd-Unknown/ALSTOM-Unknown	300.000	Operating	1/9/2003			13	1	1	1 NG
45 California	CC	ABB Power Generation Ltd/ALSTOM	ABB Power Generation Ltd-Unknown/ALSTOM-Unknown	300.000	Operating	1/10/2003			13	1	1	1 NG
46 California	CC	ABB Power Generation Ltd/ALSTOM	ABB Power Generation Ltd-Unknown/ALSTOM-Unknown	300.000	Operating	3/7/2003			13	1	1	1 NG
47 Florida	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-SGT6-6000G/Siemens Power Generation Inc-Unknown	369.000	Operating	4/4/2002			14	1	1	1 NG
48 California	CC	General Electric Co	General Electric Co-MS7001FAGT/General Electric Co-Unknown	369.000	Operating	7/31/2016			0	1	1	1 NG
49 California	CC	General Electric Co	General Electric Co-LM6000PC-Sprint	306.100	Operating	8/13/2013			3	4	4	1 NG
50 Texas	CC	General Electric Co	General Electric Co-Unknown	344.000	Retired	6/1/1989	6/30/2009		20	3	3	1 NG
51 Mississippi	CC	General Electric Co/ALSTOM	General Electric Co-MS7001FAGT/ALSTOM-Unknown	334.500	Operating	8/25/2003			13	1	1	1 NG
52 Mississippi	CC	General Electric Co/ALSTOM	General Electric Co-MS7001FAGT/ALSTOM-Unknown	334.500	Operating	8/25/2003			13	1	1	1 NG
53 Mississippi	CC	General Electric Co/ALSTOM	General Electric Co-MS7001FAGT/ALSTOM-Unknown	334.500	Operating	8/25/2003			13	1	1	1 NG
54 Mississippi	CC	General Electric Co/ALSTOM	General Electric Co-MS7001FAGT/ALSTOM-Unknown	334.500	Operating	8/25/2003			13	1	1	1 NG
55 Massachusetts	CC	General Electric Co	General Electric Co-Unknown	318.375	Operating	11/1/1981			35	3	3	1 NG
56 Massachusetts	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-Unknown/Siemens Power Generation Inc-SGT6-3000E/Siemens Power Generation Inc-SGT6-3000E	323.000	Operating	12/1/1997			18	2	2	1 NG
57 Vermont	CC	Siemens Power Generation Inc/Siemens AG	Siemens Power Generation Inc-Unknown/Siemens AG-501G	360.000	Operating	4/12/2001			15	1	1	1 NG
58 Michigan	CC	Mitsubishi Heavy Industries	Mitsubishi Heavy Industries-MS01G	346.500	Operating	9/1/2006			10	0	0	1 NG
				392.000	Operating	5/18/2004			12	1	1	1 NG

59	Michigan	CC	Mitsubishi Heavy Industries	Mitsubishi Heavy Industries-M501G		392,000	Operating	5/18/2004		12	1	1	NG
64	Michigan	CC	Mitsubishi Heavy Industries	Mitsubishi Heavy Industries-M501G		392,000	Operating	5/18/2004		12	1	1	NG
61	Massachusetts	CC	Mitsubishi Heavy Industries Westinghouse/Mitsubishi Heavy Industries Westinghouse	Mitsubishi Heavy Industries Westinghouse-501D5/Mitsubishi Heavy Industries Westinghouse-501D5		386,100	Operating	9/1/1991		25	2		1 NG
63	Tennessee	CC	General Electric Co/General Electric Co	Siemens AG-501E		333,500	Operating	6/1/2003		13	2		1 NG
63	Minnesota	CC	Siemens AG	Siemens AG-501E		324,800	Operating	6/1/2003		14	1		1 NG
64	Pennsylvania	CC	General Electric Co	General Electric Co-Unknown		339,900	Operating	9/1/2002		14	3		1 NG
65	Texas	CC	General Electric Co	General Electric Co-Unknown		329,100	Operating	8/1/1974		42	4		1 NG
66	Texas	CC	General Electric Co	General Electric Co-Unknown		334,500	Operating	8/1/1974		42	4		1 NG
67	Oklahoma	CC	General Electric Co/General Electric Co	General Electric Co-M5700FA/G7/General Electric Co-Unknown		360,745	Operating	6/15/2001		15	2		1 NG
68	Louisiana	CC	General Electric Co	General Electric Co-Unknown		357,700	Operating	8/1/1986		30	4		1 NG
68	Washington	CC	General Electric Co	General Electric Co-M5700FA/GT		319,000	Operating	1/31/2008		8	1		1 NG
70	Idaho	CC	General Electric Co	General Electric Co-M5700FA/GT		301,500	Operating	9/12/2001		15	1		1 NG
71	Texas	CC	Mitsubishi Heavy Industries/Siemens Power Generation Inc	Mitsubishi Heavy Industries-M501F/Siemens Power Generation Inc-Unknown		376,900	Operating	11/30/2008		7	1		1 NG
72	New Jersey	CC	General Electric Co/General Electric Co	General Electric Co-Unknown/General Electric Co-Unknown		351,000	Operating	5/1/1977		39	4		1 NG
73	Saskatchewan	CC	Hitachi America Ltd/Hitachi America Ltd	Hitachi America Ltd-H-25/Hitachi America Ltd-Unknown		334,600	Operating	6/1/2002		14	6		2 NG
74	New York	CC	General Electric Co	General Electric Co-207EA(LCC)		338,800	Operating	4/1/1994		22	2		1 NG
76	Mississippi	CC	General Electric Co/General Electric Co	General Electric Co-PG7241(FA)/General Electric Co-Unknown		301,300	Operating	5/30/2003		13	1		1 NG
76	Mississippi	CC	General Electric Co/General Electric Co	General Electric Co-PG7241(FA)/General Electric Co-Unknown		301,300	Operating	5/30/2003		13	1		1 NG
77	Mississippi	CC	General Electric Co/General Electric Co	General Electric Co-PG7241(FA)/General Electric Co-Unknown		301,300	Operating	5/30/2003		13	1		1 NG
78	Washington	CC	Mitsubishi Heavy Industries/General Electric Co	Mitsubishi Heavy Industries-Unknown/General Electric Co-Unknown		322,000	Out of Service	8/12/2002		14	4		1 NG
79	California	CC	General Electric Co	Sprint		300,600	Operating	3/1/2006		30	2		1 NG
80	Virginia	CC	General Electric Co	General Electric Co-M5700GEA		330,000	Operating	2/1/1997		19	2		1 NG

San Diego Gas & Electric Company
2019 GRC - APP

ABB Velocity Suite Database
Peer Group
Natural Gas fired Combined Cycles
Nameplate Rating: 440 - 600 MW
Arrangement: 2x2x1 & 3x3x1

Plant State	Prime Mover Category	Generator Manufacturer	Generator Model	Nameplate Capacity (MW)	Unit Status	Commercial Online Date	Retirement Date	Proposed Retirement Date	Unit Age (Years)	Number of Combustion Turbines (Combined Cycle only)	Number of Steam Turbines (Combined Cycle only)	Primary Fuel
1 Alabama	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT	535,400	Operating	5/10/2003			16	2	2	1 NG
2 Alabama	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	535,400	Operating	7/14/2003			13	2	2	1 NG
3 Pennsylvania	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-SC05-5000F CC 2x1	556,000	Operating	7/15/2002			14	2	2	1 NG
4 Arizona	CC	ALSTOM/Siemens Power Generation Inc/Siemens Power Generation Inc	ALSTOM/Siemens Power Generation Inc-SGT6-5000F/Siemens Power Generation Inc-SGT6-5000F	568,000	Operating	7/15/2002			14	2	2	1 NG
5 Arizona	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-SGT6-5000F/Siemens Power Generation Inc-Unknown	569,600	Operating	8/1/2003			13	2	2	1 NG
6 Arizona	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-Unknown	532,900	Operating	6/1/2000			16	2	2	1 NG
8 Oklahoma	CC	General Electric Co	General Electric Co-PG7241FA	520,000	Operating	5/20/2006			10	2	2	1 NG
9 New York	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-4843A	591,000	Operating	11/14/2003			12	2	2	1 NG
10 California	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-Unknown/Siemens Power Generation Inc-4843A	520,000	Operating	5/13/2008			17	2	2	1 NG
11 Connecticut	CC	ALSTOM/General Electric Co	ALSTOM/General Electric Co-MS7001FA GT	593,300	Operating	10/17/2002			14	2	2	1 NG
13 Texas	CC	Siemens AG/Siemens Power Generation Inc	Siemens AG-S01F/Siemens Power Generation Inc-Unknown	555,000	Operating	6/1/2002			16	2	2	1 NG
14 Texas	CC	General Electric Co/General Electric Co	General Electric Co-Unknown/Siemens Power Generation Inc-Unknown/Siemens Power Generation Inc-Unknown	521,000	Operating	7/16/2005			11	2	2	1 NG
15 California	CC	General Electric Co/Siemens Power Generation Inc	General Electric Co-MS7001FA GT/General Electric Co-Unknown	570,000	Operating	11/16/2003			13	3	3	1 NG
16 Rhode Island	CC	General Electric Co	General Electric Co-S207FA (CC)	570,000	Operating	6/15/2003			13	2	2	1 NG
17 Louisiana	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	550,200	Operating	5/1/2000			16	2	2	1 NG
18 Maine	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	517,000	Operating	5/9/2003			15	2	2	1 NG
19 Delaware	CC	Mitsubishi Heavy Industries	Mitsubishi Heavy Industries-M501F	484,000	Operating	10/14/2000			16	2	2	1 NG
20 Utah	CC	Siemens AG	Siemens AG-S01F	495,000	Operating	12/15/2001			14	2	2	1 NG
21 Veracruz	CC	Mitsubishi Heavy Industries	Mitsubishi Heavy Industries-M501F	590,000	Operating	8/17/2002			16	2	2	1 NG
22 Michigan	CC	General Electric Co/General Electric Co	General Electric Co-Unknown/General Electric Co-MS7001FA GT	590,000	Operating	8/21/2000			16	2	2	1 NG
23 Texas	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-S01FD/Siemens Power Generation Inc-501FD	546,500	Operating	4/1/1999			17	2	2	1 NG
24 Florida	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-S01FD/Siemens Power Generation Inc-Unknown	516,000	Operating	12/9/2003			12	2	2	1 NG
25 Florida	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-S01FD/Siemens Power Generation Inc-Unknown	590,000	Operating	11/7/2005			10	2	2	1 NG
26 Florida	CC	General Electric Co/General Electric Co	General Electric Co-Unknown/General Electric Co-MS7001FA GT	484,000	Operating	3/1/2000			16	2	2	1 NG
27 Texas	CC	General Electric Co	General Electric Co-MS7001FA GT	568,000	Operating	8/27/2003			13	2	2	1 NG
28 Puerto Rico	CC	Tohiba/General Electric Co	Tohiba/General Electric Co-MS7001FA GT	596,600	Operating	5/14/2000			16	2	2	1 NG
29 Georgia	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-Unknown	536,000	Operating	5/14/2000			16	2	2	1 NG
30 Nevada	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-SGT6-5000F/Siemens Power Generation Inc-SGT6-5000F	537,400	Operating	8/3/2003			3	2	2	2 NG
31 California	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	551,300	Operating	6/15/2001			15	2	2	1 NG
32 Mississippi	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	551,300	Operating	6/15/2001			15	2	2	1 NG
33 Mississippi	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	551,300	Operating	6/15/2001			15	2	2	1 NG
34 Florida	CC	Mitsubishi Heavy Industries/Siemens Power Generation Inc	Mitsubishi Heavy Industries-M501F/Siemens Power Generation Inc-Unknown	521,200	Operating	5/1/1993			23	2	2	1 NG
35 Florida	CC	Mitsubishi Heavy Industries/Siemens Power Generation Inc	Mitsubishi Heavy Industries-M501F/Siemens Power Generation Inc-Unknown	521,200	Operating	6/1/1993			23	2	2	1 NG
36 Florida	CC	General Electric Co	General Electric Co-S207FA (CC)	518,000	Operating	7/14/2003			14	2	2	1 NG
37 Texas	CC	General Electric Co	General Electric Co-S207FA (CC)	518,000	Operating	7/14/2003			14	2	2	1 NG
38 Colorado	CC	ALSTOM/General Electric Co	ALSTOM/General Electric Co-MS7001FA GT	541,000	Operating	4/1/2003			13	2	2	1 NG
39 Texas	CC	General Electric Co/ALSTOM	General Electric Co-MS7001FA GT/ALSTOM-Unknown	529,000	Operating	5/1/2000			16	2	2	1 NG
40 Texas	CC	Siemens Power Generation Inc/Tohiba	Siemens Power Generation Inc-SGT6-5000F/Tohiba-Unknown	595,000	Operating	6/1/2001			15	2	2	1 NG
41 Texas	CC	ALSTOM/General Electric Co	ALSTOM/General Electric Co-MS7001FA GT	521,000	Operating	10/7/1999			17	2	2	1 NG
42 Texas	CC	General Electric Co/General Electric Co	General Electric Co-Unknown/General Electric Co-MS7001FA GT	544,100	Operating	1/29/2001			15	2	2	1 NG
43 Texas	CC	General Electric Co/General Electric Co	General Electric Co-Unknown/General Electric Co-MS7001FA GT	544,100	Operating	1/29/2001			15	2	2	1 NG
44 Texas	CC	General Electric Co	General Electric Co-MS7001FA GT	551,300	Operating	6/14/2000			16	2	2	1 NG
45 Tamaulipas	CC	General Electric Co	General Electric Co-S207FA (CC)	518,000	Operating	12/24/2003			12	2	2	1 NG
46 Tamaulipas	CC	General Electric Co	General Electric Co-S207FA (CC)	518,000	Operating	12/24/2003			12	2	2	1 NG
47 Texas	CC	ABB Power Generation Ltd/General Electric Co	ABB Power Generation Ltd-Unknown/General Electric Co-MS7001FA GT	506,650	Operating	10/14/1999			17	2	2	1 NG
48 Florida	CC	General Electric Co	General Electric Co-S207FA (CC)	598,100	Operating	3/31/2005			11	2	2	1 NG
49 Kentucky	CC	General Electric Co/ABB Power Generation Ltd	General Electric Co-MS7001FA GT/ABB Power Generation Ltd-Unknown	514,800	Operating	7/15/2005			11	2	2	1 NG
50 Tennessee	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	532,000	Operating	7/1/2000			16	2	2	1 NG
51 Texas	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	532,000	Operating	7/1/2000			16	2	2	1 NG
52 Texas	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	556,300	Operating	12/1/2000			15	2	2	1 NG
53 Texas	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-SC05-5000F CC 2x1	545,891	Operating	6/30/2014			0	2	2	1 NG
54 Iowa	CC	General Electric Co	General Electric Co-MS7001FA GT	464,400	Operating	4/28/2016			0	2	2	1 NG
55 Iowa	CC	General Electric Co	General Electric Co-MS7001FA GT	576,300	Operating	12/17/2004			11	2	2	1 NG
56 Mississippi	CC	General Electric Co	General Electric Co-MS7001FA GT	566,200	Operating	5/1/2001			15	2	2	1 NG
57 Georgia	CC	General Electric Co/General Electric Co	General Electric Co-MS7001FA GT/General Electric Co-Unknown	568,000	Operating	5/20/2004			12	2	2	1 NG
58 Georgia	CC	General Electric Co	General Electric Co-PG7241FA	568,000	Operating	5/20/2004			12	2	2	1 NG
59 Nevada	CC	General Electric Co	General Electric Co-MS7001FA GT	558,500	Operating	5/14/2011			12	2	2	1 NG
60 Nevada	CC	Siemens AG/General Electric Co/Siemens AG	Siemens AG-S01F/General Electric Co-Unknown/Siemens AG-S01F	498,250	Operating	5/17/2004			12	2	2	1 NG
61 New York	CC	General Electric Co/General Electric Co	General Electric Co-PG7241FA/General Electric Co-Unknown	528,000	Operating	12/31/2005			10	2	2	1 NG
62 Indiana	CC	General Electric Co	General Electric Co-S207FA (CC)	555,300	Operating	6/6/2003			13	2	2	1 NG

Plant State	Prime Mover Category	Generator Manufacturer	Generator Model	Nameplate Capacity MW	Unit Status	Commercial Online Date	Retirement Date	Proposed Retirement Date	Unit Age (Years)	Number of Combustion Turbines (Combined Cycles only)	Number of Steam Turbines (Combined Cycles only)	Primary Fuel Code
63 Minnesota	CC	Siemens Power Generation Inc./General Electric Co	Siemens Power Generation Inc-Unknown/General Electric Co-Unknown	585,000	Operating	4/30/2009			7	2	2	1 NG
64 Texas	CC	General Electric Co/General Electric Co	General Electric Co-Unknown/General Electric Co-M57001FA GT	576,400	Operating	7/19/2001			15	2	2	1 NG
65 Texas	CC	General Electric Co/General Electric Co	General Electric Co-Unknown/General Electric Co-M57001FA GT	576,400	Operating	8/7/2001			15	2	2	1 NG
66 Texas	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-Unknown	519,000	Operating	6/1/2002			14	2	2	1 NG
67 Georgia	CC	General Electric Co	General Electric Co-M57001FA GT	586,000	Operating	6/1/2002			14	2	2	1 NG
68 Georgia	CC	General Electric Co	General Electric Co-M57001FA GT	596,000	Operating	6/1/2002			14	2	2	1 NG
69 Washington	CC	General Electric Co	General Electric Co-2077FA LCI	593,300	Operating	10/1/2003			13	2	2	1 NG
70 Utah	CC	Siemens Power Generation Inc/Siemens Power Generation Inc	Siemens Power Generation Inc-S576-50007/Siemens Power Generation Inc-Unknown	566,900	Operating	1/7/2006			10	2	2	1 NG
71 Utah	CC	Siemens Power Generation Inc	Siemens Power Generation Inc-S576-50007/Siemens Power Generation Inc-Unknown	591,300	Operating	9/21/2007			9	2	2	1 NG
72 Alabama	CC	Mitsubishi Heavy Industries/Siemens Power Generation Inc	Mitsubishi Heavy Industries-Unknown/Siemens Power Generation Inc-S576-50007	507,000	Operating	11/2/2002			14	2	2	1 NG
73 Oklahoma	CC	Siemens Power Generation Inc/General Electric Co	Siemens Power Generation Inc-Unknown/General Electric Co-M57001FA GT	527,000	Operating	6/3/2001			15	2	2	1 NG
74 California	CC	General Electric Co	General Electric Co-M57001FA GT	530,000	Operating	2/8/2006			10	2	2	1 NG
75 California	CC	General Electric Co	General Electric Co-M57001FA GT	559,000	Operating	4/1/2006			10	2	2	1 NG
76 South Carolina	CC	General Electric Co/General Electric Co	General Electric Co-Unknown/General Electric Co-M59001EC	520,000	Operating	1/7/2003			14	2	2	1 NG
77 California	CC	General Electric Co/General Electric Co	General Electric Co-M57001FA GT/General Electric Co-Unknown	518,400	Operating	1/19/2003			10	2	2	1 NG
78 California	CC	General Electric Co/General Electric Co	General Electric Co-M57001FA GT/General Electric Co-Unknown	447,395	Operating	10/1/2003			13	2	2	1 NG
80 North Carolina	CC	General Electric Co/Toshiba/General Electric Co	General Electric Co-M57001FA GT/Toshiba-Unknown/General Electric Co-M57001FA GT	593,800	Operating	6/1/2003			14	2	2	1 NG
81 Texas	CC	General Electric Co/Mitsubishi Heavy Industries	General Electric Co-M57001FA GT/Mitsubishi Heavy Industries-Unknown	505,000	Operating	11/8/2001			14	2	2	1 NG
82 Quebec	CC			533,000	Operating	9/7/2006			10	2	2	1 NG
83 Durango	CC			471,600	Operating	10/17/2010			6	2	2	1 NG
84 Michigan	CC	Mitsubishi Heavy Industries	Mitsubishi Heavy Industries-M501F	481,500	Operating	5/23/2003			13	2	2	1 NG
85 Veracruz	CC	Mitsubishi Heavy Industries	Mitsubishi Heavy Industries-M501F	481,500	Operating	5/23/2003			13	2	2	1 NG
86 Virginia	CC	General Electric Co	General Electric Co-M57001FA GT	559,000	Operating	5/24/2011			5	2	2	1 NG
87 Maine	CC	General Electric Co/General Electric Co	General Electric Co-M57001FA GT/General Electric Co-Unknown	563,900	Operating	5/9/2001			15	2	2	1 NG
88 Indiana	CC	General Electric Co/General Electric Co	General Electric Co-M57001FA GT/General Electric Co-Unknown	576,800	Operating	2/1/2002			14	2	2	1 NG
89 Wisconsin	CC	General Electric Co/General Electric Co	General Electric Co-M57001FA GT/General Electric Co-Unknown	579,000	Operating	7/19/2005			11	2	2	1 NG

Appendix D
Explanation of Variance from Previous Cost Studies

Palomar Variance			
Cost Category	2010 Cost Estimate	2016 Cost Estimate	Change in Cost Estimate
21 - Civil	\$1,892,414	\$1,119,130	(\$773,284)
22 - Concrete	\$1,657,978	\$1,905,184	\$247,206
23 - Steel	\$0	\$156,337	\$156,337
24 - Architectural	\$285,031	\$372,840	\$87,809
31 - Mech. Equipment	\$3,182,431	\$3,653,110	\$470,679
35 - Piping	\$179,518	\$242,118	\$62,600
41 - Electrical Equipment	\$90,735	\$101,428	\$10,693
42 - Raceway, Cable Tray & Conduit	\$125,803	\$141,451	\$15,648
43 - Cable	\$180,698	\$203,175	\$22,477
44 - Control & Instrumentation	\$11,437	\$12,859	\$1,422
98 - Waste	\$2,193,966	\$386,958	(\$1,807,008)
81 - Scrap (Copper)	(\$649,512)	(\$1,114,120)	(\$464,608)
81 - Scrap (Steel)	(\$2,030,039)	(\$827,455)	\$1,202,584
Direct Cost	\$7,120,460	\$6,353,015	(\$767,445)
G&A and Profit	\$0	\$1,029,012	\$1,029,012
Engineering	\$213,614	\$220,000	\$6,386
Construction Management Support	\$142,409	\$147,641	\$5,232
Total Contingency	\$2,567,117	\$2,326,564	(\$240,553)
Total Project Cost	\$10,043,600	\$10,076,232	\$32,632

Explanation for Difference from Previous Estimate

In 2016, the assumption for the thickness of cover material was changed from 24 inches to 6 inches decreasing costs. Also, pavement quantities were increased.

In 2016, the estimated quantity of concrete increased due to plant modifications since the time of the last estimate.

In 2016, the estimated quantity of steel increased due to the addition of cranes since the last estimate.

In 2016, the estimated quantities were increased due to plant modifications since the time of the last estimate.

In the previous estimate the thermal energy storage (TES) tank was assumed to be steel. The TES tank is actually concrete. In 2016, the steel and concrete quantities were corrected and the estimate reflects this change.

In 2016, the quantity of piping increased since the last estimate due to plant modifications, specifically new circ. water piping was installed.

In 2016, there were no changes in quantities. The increase reflects the change in costs over time.

In 2016, there were no changes in quantities. The increase reflects the change in costs over time.

In 2016, there were no changes in quantities. The increase reflects the change in costs over time.

In 2016, there were no changes in quantities. The increase reflects the change in costs over time.

The 2016 estimate assumes concrete will be recycled on-site, which is the prevailing approach to demolition. The previous estimate assumed concrete would be removed from the site for disposal.

The estimated copper scrap quantities found in transformers were corrected from the previous estimate.

The market value of scrap steel significantly decreased since the time of the last estimate (from \$229 per ton to \$87 per ton).

In the previous estimate, G&A and profit were included in the wage rate, but in 2016 it was shown separately.

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Miramar Energy Facility Decommissioning Study

Prepared for
San Diego Gas & Electric Company

Report SL-013559.B

Project 12699-004
February 2017



FINAL

Miramar Energy Facility
Decommissioning Study

Prepared for
San Diego Gas & Electric Company

SL-013559.B
February 2017



55 East Monroe Street
Chicago, IL 60603-5780 USA

Project 12699-004

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Miramar Energy Facility Decommissioning Study

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ACRONYMS AND ABBREVIATIONS

Term	Definition or Clarification
ASL	Average Service Life
COD(s)	Commercial operation date(s)
CT(s)	Combustion turbine(s)
FERC	Federal Energy Regulatory Commission
GE	General Electric
HP	High pressure
kV	Kilovolts
kVA	Kilovolt amperes
MEF	Miramar Energy Facility
MVA	Megavolt amperes
MW	Megawatts
NO _x	Nitrogen oxide
O&M	Operations and maintenance
Owner	San Diego Gas & Electric Company
OEM(s)	Original equipment manufacturer(s)
PCB	Polychlorinated biphenyl
S&L	Sargent & Lundy LLC
SCR	Selective catalytic reduction
SDG&E	San Diego Gas & Electric Company
TCT	TransCanada Turbines

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EXECUTIVE SUMMARY

Sargent & Lundy LLC (S&L) was contracted by San Diego Gas & Electric Company (“SDG&E” or “Owner”) to perform an independent conceptual cost estimate for dismantlement and an estimate of the average service life for the Miramar Energy Facility (MEF) near Miramar in San Diego, California. The work scope included a review of drawings and documents of the facility, a site visit, and the development of a conceptual demolition cost estimate and report.

METHODOLOGY

S&L’s methodology for developing the cost estimate consisted of three elements: 1) our experience in developing plant demolition costs and our existing database for numerous other projects, 2) the use of unit cost factor methodology, and 3) quotes from previous projects for similar activities. The cost estimate was developed based on the drawings, documents, and data provided by the Owner. These drawings and documents were used to estimate the building foundation sizes, building volumes, steel quantities, quantity of piping, valves, and other equipment. A site walkdown was performed to conduct a review of the site for dismantlement and determine any unique site-specific requirements. This information was used with unit cost factors developed by S&L based on industry data and our experience. Unit cost factors for concrete removal, steel removal, and cutting costs, and so forth were developed from labor and material cost information. We estimated the quantities of recoverable metals that could be recovered and sold for scrap. The estimate includes the value of scrap metals; however, equipment is assumed to have no resale or other salvage value besides the value of scrap metal at the end of its life.

The S&L methodology for estimating the Average Service Life (ASL) of the facility is based on a review of the operations and maintenance (O&M) history of the site, a benchmarking analysis of similar facilities, and information from the facility’s major original equipment manufacturers (OEMs).

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CONCEPTUAL COST ESTIMATE

Miramar Energy Facility

The summary of the cost estimate for decommissioning MEF is shown in Table ES-1. The cost estimate broken into Federal Energy Regulatory Commission (FERC) accounts is shown in Table ES-2. All costs are in 2016 US dollars. The decommissioning costs are expected to increase by the end of service life of the facility due to escalation.

Table ES-1 — Cost Estimate Summary for Miramar Energy Facility

Acct	Description		Scrap Value	Material Cost	Labor Cost	Total Cost
11.21	Civil Work			\$ 63,474	\$ 90,347	\$ 153,821
11.22	Concrete				\$ 258,596	\$ 258,596
11.23	Steel		\$ (7,012)		\$ 27,694	\$ 20,682
11.24	Architectural				\$ 50,341	\$ 50,341
11.31	Mechanical Equipment		\$ (60,256)		\$ 317,885	\$ 257,629
11.35	Piping		\$ (4,176)		\$ 19,579	\$ 15,403
11.41	Electrical Equipment		\$ (13,050)		\$ 85,623	\$ 72,573
11.42	Raceway, Cable Tray, & Conduit				\$ 56,580	\$ 56,580
11.43	Cable				\$ 43,721	\$ 43,721
11.44	Control & Instrumentation				\$ 12,859	\$ 12,859
11.98	Waste			\$ 43,572		\$ 43,572
11.81	Scrap Value		\$ (173,692)			\$ (173,692)
Subtotal Direct & Construction Indirect Cost			\$ (258,186)	\$ 107,046	\$ 963,225	\$ 812,085
91.9	Contractor's General and Administration Expense - % of ACCT No. 90, 91-1 to 91-8	7.0%			\$ 48,161	\$ 48,161
91.10	Contractor's Profit - % of ACCT No. 90, 91-1 to 91-8	8.0%		\$ 8,564	\$ 77,058	\$ 85,622
Subtotal			\$ -	\$ 8,564	\$ 125,219	\$ 133,783
93.1	Engineering, Procurement, & Project Services - % of ACCT No. 92	6.0%			\$ 60,000	\$ 60,000
93.2	Construction Management Support - % of ACCT No. 92	2.0%			\$ 18,917	\$ 18,917
Subtotal of Indirect Costs						\$ 78,917
95.1	Contingency on Scrap Value - % of ACCT No. 92, 94.1	20.0%	\$ 51,637			\$ 51,637
95.2	Contingency on Material - % of ACCT No. 92, 94.2	20.0%		\$ 23,122		\$ 23,122
95.3	Contingency on Labor - % ACCT No. 92, 94.3	20.0%			\$ 217,689	\$ 217,689
95.4	Contingency on Indirect - % of ACCT No. 93, 94.4	20.0%				\$ 15,783
Subtotal Contingency						\$ 308,231
Total Project Cost			\$ (206,549)	\$ 138,732	\$ 1,385,050	\$ 1,333,016

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Table ES-2 — Miramar Energy Facility Cost Estimate Summary by FERC Account

FERC NO.	Description	Scrap Value	Material Cost	Labor Cost	Other Direct Cost	Indirect Cost	Contingency	Total Cost
341	Other Production - Structures & Improvements		\$ 107,046	\$ 168,893	\$ 30,520		\$ 61,292	\$ 367,751
342	Other Production - Fuel Holders, Producers and Accessories	\$ (9,100)		\$ 125,940	\$ 16,372		\$ 30,282	\$ 163,494
344	Other Production - Generators	\$ (62,344)		\$ 443,568	\$ 57,664		\$ 112,715	\$ 551,603
345	Other Production - Accessory Electric Equipment	\$ (186,742)		\$ 224,825	\$ 29,227		\$ 88,159	\$ 155,469
11	ENGINEERING, PROCUREMENT, & PROJECT SERVICES (Approx 85% Steam Plant)					\$ 60,000	\$ 12,000	\$ 72,000
12	CONSTRUCTION MANAGEMENT SUPPORT (Approx 85% Steam Plant)					\$ 18,917	\$ 3,783	\$ 22,700
13	S-U/COMMISSIONING							\$ -
14	OWNERS COST							\$ -
15	EPC FEE							\$ -
Total Project Cost		\$ (258,186)	\$ 107,046	\$ 963,226	\$ 133,783	\$ 78,917	\$ 308,231	\$ 1,333,016

AVERAGE SERVICE LIFE

Generally, simple-cycle power plants based on natural-gas-fired combustion turbines (CTs) are expected to have a service life of 30 years or more. SDG&E stated that inspections are performed monthly, quarterly, and semiannually on the CTs and the balance of plant; maintenance on the CTs is performed during an annual outage. The average service life of MEF is expected to be 30 years or more with prudent O&M. However, considering the regional transition to renewable energy resources and other regulatory impacts in California, a reduction in estimated service life may be realistic. Considering the high potential for early retirement of current technologies will allow utilization costs to be more appropriately assigned to ratepayers.

Previous SDG&E studies have discussed the service life of the plant's two gas turbines (MEF-1 and MEF-2) separately. However, this study considers the two gas turbines to be components of the total Miramar Energy Facility. As such, the service life of the facility will end when the older of the two gas turbines reaches its end of life. At that time, SDG&E will determine whether to reconfigure or close the facility.

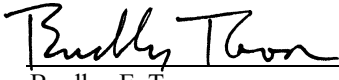
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1. SCOPE OF WORK

Sargent & Lundy LLC (S&L) was contracted by San Diego Gas & Electric Company (“SDG&E” or “Owner”) to perform an independent conceptual cost estimate and average service life estimate for the Miramar Energy Facility (MEF) near Miramar in San Diego, California. The work scope included a review of drawings and documents of the facility, a site visit, and the development of a conceptual demolition cost estimate and report and an average service life.

Sargent & Lundy has been dedicated to providing complete engineering and environmental services exclusively to the power industry since 1891. Through our work with various utilities, lending institutions, and developers over the years, Sargent & Lundy Consulting has become one of the premier power project consultants in the power industry. This commitment to quality is proven by the successful completion of our International Organization for Standardization (ISO) 9000 certification audit. Our experience encompasses independent engineer services, including decommissioning cost estimations and average service life evaluations for both global and domestic electric power assets. S&L has recently completed decommissioning studies for a number of clients.

Sargent & Lundy has engineered over 958 power plant units. We have both the benefit of extensive design experience with feedback from operating plants as well as individuals with extensive plant operations experience to support our consulting services.

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2. GENERAL DESCRIPTION

2.1 MIRAMAR ENERGY FACILITY

Located in central San Diego, MEF consists of two simple-cycle General Electric (GE) LM6000 combustion turbines (CTs). MEF is used for peaking duty and is capable of generating 92 megawatts (MW). The facility uses the latest generation of peaking turbines with selective catalytic reduction (SCR) for nitrogen oxide (NO_x) reduction. The MEF CTs can be started remotely from SDG&E's Palomar Energy Center (Palomar) control room and are operated and maintained by personnel based out of Palomar.

On January 30, 2009, the FERC issued D.09-01-008, approving SDG&E's application for the addition of a second CT at MEF. The second turbine is a virtual replica of the first turbine, with a capacity of approximately 46 MW of peaking energy and capacity for SDG&E's service territory. The newer unit went into commercial operation in August 2009.

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3. COST ESTIMATE

3.1 METHODOLOGY

The methodology used for developing the cost estimate includes a combination of stochastic and deterministic methods. Deterministic methods were used based on the quantity and size of equipment (e.g., the number of foundations, linear feet of piping, equipment, and etc.). Stochastic methods were also used if quantity information (e.g., fire lines and hydrants, misc. electrical equipment, etc.) was not available.

The cost estimate was developed based on drawings, documents, and data provided by the Owner. These drawings and documents were used to estimate the building foundation sizes, building volumes, steel quantities, quantity of piping, valves, and other equipment.

The S&L methodology for developing the cost estimate consisted of three elements: 1) our experience in developing plant demolition cost and our existing database for numerous other projects, 2) the use of unit cost factor methodology, and 3) quotes from previous projects for similar activities.

Cost estimates were created using the S&L cost model format and the S&L cost database. The estimates developed include details for each type of work performed, indirect costs, and contingencies. The cost estimate database report lists costs by buildings, plant systems, and several other categories.

An inventory of plant piping, valves, equipment, HVAC ducts, concrete, galleries, cable trays, and other equipment was developed based on our review of drawings and data provided. Mr. Borko Andric and Mr. Brad Toon of Sargent & Lundy visited MEF and performed a site walkdown to conduct a review of the site for dismantlement and determine any unique site-specific requirements. This information was used with unit cost factors developed by S&L based on industry data and our experience. Unit cost factors for concrete removal, steel removal, cutting costs, and other tasks were developed from labor and material cost information. We estimated the quantities of recoverable metals that could be recovered and sold for scrap. The estimate includes the value of scrap metals; however, equipment is assumed to have no resale or other salvage value besides the value of scrap metal.

S&L worked from site general arrangement drawings and company documentation for the facility, including information about any existing or un-remediated metal cleaning storage ponds, asbestos inventories,

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polychlorinated biphenyl (PCB) inventories, or sludge ponds. S&L relied on SDG&E to identify the location of environmental problems that need to be considered in the estimates, since our scope of work does not include a detailed survey and testing program to identify such problems.

3.2 COST ESTIMATE SUMMARY

3.2.1 Miramar Energy Facility

The summary of the cost estimate for decommissioning MEF is shown in Table 3-1 below. The commercial and technical basis for the estimate is included in Section 4. The detailed estimate is included in Appendix A. The breakdown into FERC accounts is shown in Table 3-2. The allocation of FERC accounts is shown in Appendix B. All costs are in 2016 US dollars. Note that the decommissioning costs are expected to increase by the end of service life due to escalation.

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Table 3-1 — Cost Estimate Summary for Miramar Energy Facility

Acct	Description		Scrap Value	Material Cost	Labor Cost	Total Cost
11.21	Civil Work			\$ 63,474	\$ 90,347	\$ 153,821
11.22	Concrete				\$ 258,596	\$ 258,596
11.23	Steel		\$ (7,012)		\$ 27,694	\$ 20,682
11.24	Architectural				\$ 50,341	\$ 50,341
11.31	Mechanical Equipment		\$ (60,256)		\$ 317,885	\$ 257,629
11.35	Piping		\$ (4,176)		\$ 19,579	\$ 15,403
11.41	Electrical Equipment		\$ (13,050)		\$ 85,623	\$ 72,573
11.42	Raceway, Cable Tray, & Conduit				\$ 56,580	\$ 56,580
11.43	Cable				\$ 43,721	\$ 43,721
11.44	Control & Instrumentation				\$ 12,859	\$ 12,859
11.98	Waste			\$ 43,572		\$ 43,572
11.81	Scrap Value		\$ (173,692)			\$ (173,692)
Subtotal Direct & Construction Indirect Cost			\$ (258,186)	\$ 107,046	\$ 963,225	\$ 812,085
91.9	Contractor's General and Administration Expense - % of ACCT No. 90, 91-1 to 91-8	7.0%			\$ 48,161	\$ 48,161
91.10	Contractor's Profit - % of ACCT No. 90, 91-1 to 91-8	8.0%		\$ 8,564	\$ 77,058	\$ 85,622
Subtotal			\$ -	\$ 8,564	\$ 125,219	\$ 133,783
93.1	Engineering, Procurement, & Project Services - % of ACCT No. 92	6.0%			\$ 60,000	\$ 60,000
93.2	Construction Management Support - % of ACCT No. 92	2.0%			\$ 18,917	\$ 18,917
Subtotal of Indirect Costs						\$ 78,917
95.1	Contingency on Scrap Value - % of ACCT No. 92, 94	20.0%	\$ 51,637			\$ 51,637
95.2	Contingency on Material - % of ACCT No. 92, 94.2	20.0%		\$ 23,122		\$ 23,122
95.3	Contingency on Labor - % ACCT No. 92, 94.3	20.0%			\$ 217,689	\$ 217,689
95.4	Contingency on Indirect - % of ACCT No. 93, 94.4	20.0%				\$ 15,783
Subtotal Contingency						\$ 308,231
Total Project Cost			\$ (206,549)	\$ 138,732	\$ 1,385,050	\$ 1,333,016

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Table 3-2 — Cost Estimate Summary by FERC Account for Miramar Energy Facility

FERC NO.	Description	Scrap Value	Material Cost	Labor Cost	Other Direct Cost	Indirect Cost	Contingency	Total Cost
341	Other Production - Structures & Improvements		\$ 107,046	\$ 168,893	\$ 30,520		\$ 61,292	\$ 367,751
342	Other Production - Fuel Holders, Producers and Accessories	\$ (9,100)		\$ 125,940	\$ 16,372		\$ 30,282	\$ 163,494
344	Other Production - Generators	\$ (62,344)		\$ 443,568	\$ 57,664		\$ 112,715	\$ 551,603
345	Other Production - Accessory Electric Equipment	\$ (186,742)		\$ 224,825	\$ 29,227		\$ 88,159	\$ 155,469
I1	ENGINEERING, PROCUREMENT, & PROJECT SERVICES (Approx 85% Steam Plant)					\$ 60,000	\$ 12,000	\$ 72,000
I2	CONSTRUCTION MANAGEMENT SUPPORT (Approx 85% Steam Plant)					\$ 18,917	\$ 3,783	\$ 22,700
I3	S-U/COMMISSIONING							\$ -
I4	OWNERS COST							\$ -
I5	EPC FEE							\$ -
Total Project Cost		\$ (258,186)	\$ 107,046	\$ 963,226	\$ 133,783	\$ 78,917	\$ 308,231	\$ 1,333,016

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4. BASIS OF ESTIMATE

The basis for the cost estimate is as follows:

A. Labor Wage Rates

- Craft labor wage rate selected for the estimates are prevailing rates based on those published in *RSMMeans Labor Rates for the Construction Industry*, 2016 Edition, for San Diego, CA.
- The labor estimate is based on a 40-hour workweek, with no per diem or other labor incentives.

B. Labor Crews

- The craft rates are incorporated into work crews appropriate for the activities by adding allowances for small tools, construction equipment, insurance, payment bonds, and site overheads to arrive at the crew rates used in the cost estimate.
- An example of crew rates for demolition of equipment and demolition of concrete is shown in Table 4-1 below:

Table 4-1 — Example Crew Rates

San Diego, CA	Demo Equipment		Demo Concrete	
	\$/hr	Percentage	\$/hr	Percentage
Crew Base	\$ 32.74	31%	\$38.33	33%
Crew Fringes	\$ 19.34	18%	\$21.11	18%
Crew FICA	\$ 2.50	2%	\$2.93	2%
Crew SUI	\$ 0.42	0%	\$0.42	0%
Crew FUI	\$ 0.04	0%	\$0.04	0%
Crew Workers Comp. Ins	\$ 7.50	7%	\$8.78	7%
Other *	\$ 1.64	2%	\$1.92	2%
Equipment	\$ 21.55	20%	\$20.80	18%
Site OH	\$ 21.43	20%	\$23.58	20%
Total	\$ 107.16	100%	\$117.91	100%

* Expendables/Small Tools, Show up Time, Working Foreman, General Liability Insurance

C. Productivity

- The labor productivity is estimated to be 1.2¹ for the San Diego area based on Compass International data relating to productivity experienced on demolition and productivity projects in the area. For reference, the Houston area has a labor productivity factor of 1.

¹ Productivity index calculated as (Specific City Labor Rate)/ (National Average Labor Rate) x 100



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- No allowances have been made to cover items such as loss in productivity because of inclement weather conditions.

D. Quantity Sources

- Quantities of pieces of equipment and/or bulk material commodities used in this cost estimate were developed from engineering-supplied information from the sites and the S&L database.

E. Scrap

- Scrap metals are a globally traded commodity and are part of the larger metals industry. The value of scrap metal is subject to constantly changing economic conditions, as such the price of mixed steel, stainless steel, copper, and aluminum can vary greatly over time as a result of global supply and demand. The value of scrap for this study was determined by a three-month average from ‘Scrap Metals MarketWatch’(July, August, and September of 2016) for the West Coast (Zone 1) of the United States. The ‘Scrap Metals MarketWatch’ can be found on the following website:
- www.americanrecycler.com
- The values obtained are delivered prices expressed as cost per gross ton or pound to account for separation, preparation and shipping costs to the mills. Metal recycling is a cyclical industry. The costs used in this study represent market prices in mid-2016, and cannot be used to estimate the value of scrap in the future. Estimated scrap prices are listed in Table 4-2.

Table 4-2 — Estimated Scrap Prices

	#1 & 2 Mixed Steel	#1 Copper	Aluminum	Stainless Steel
	\$ / Gross Ton	\$/lb.	\$/lb.	\$/lb.
Date				
July 1, 2016	185	1.95	0.45	0.55
August 1, 2016	185	1.94	0.46	0.57
September 1, 2016	184	1.97	0.47	0.55
3 Month Average	184.67	1.95	0.46	0.56

Converted to \$/tons	\$165 / ton	\$3,907 / ton	\$920 / ton	\$1,113 / ton
Scrap dealer costs - deduct	\$78 / ton	\$440 / ton	\$260 / ton	\$200 / ton
Net Value to Utility	\$87 / ton	\$3,467 / ton	\$660 / ton	\$913 / ton

F. Project Schedule

- 12-month construction schedule.

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G. Contractor Costs

- Contractors' general & administrative (G&A) cost is included at 5% of labor and material.
- Contractors' profit is included at 8% of labor and material.

H. Indirect Expenses

- Project indirect expenses are based on percent total direct construction labor only.
- Engineering is included to cover preparation of the decommissioning work specification, engineering required to place the plant in safe shutdown, and any unique engineering required during demolition.
- Construction management and field engineering is estimated to be 2%. This covers oversight of demolition activities but not full-time construction management.
- Owner's costs not included.

I. Escalation Rates

- Not included.

J. Sales and Use Taxes

- Sales and use taxes not included.

K. Contingency

- A 20% contingency is applied for material, labor, and indirect expenses.
- A -20% contingency is applied for scrap value, as a drop in scrap value will result in an increase in project cost.

L. Contract Basis for Estimate

- The estimate is based on a multiple lump sum.

M. Assumptions

- The facility will be in safe-shutdown mode and ready for a decommissioning contractor to start work.
- All chemicals and lubricating oils will be removed from the facility to be demolished by the utility before demolition.
- No extraordinary environmental costs for demolition will be needed.
- There will be no PCBs on site at the time of demolition.
- Switchyards within the plant boundaries are not part of the scope, nor are access roads to these facilities.
- All items above grade and to a depth of 1 foot will be demolished. All foundations will be removed. Any other items buried more than 1 foot deep will remain in place.
- Underground piping will be abandoned in place.
- Underground piping larger than 4 feet in diameter will be filled with sand or slurry and capped at the ends to prevent collapse (none noted at this site). Non-metal pipe will be collapsed.

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- All demolished materials are considered debris, except for organic combustibles and non-embedded metals that have scrap value.
- The basis for salvage estimating is for scrap value only. No resale of equipment or material is included.
- Handling on-site and off-site disposal of hazardous materials will be performed in compliance with methods approved by SDG&E's Environmental Services Department.
- Disturbed areas will be covered in crushed rock, as the site will be converted to a storage area.
- All borrow material is assumed to be from off-site sources.
- Catalyst is assumed to be removed and returned to the original equipment manufacturer (OEM) before demolition.
- Water treatment equipment is leased (for MEF).

N. Variance

- The previous decommissioning cost estimate did not include pavement demolition. Since 2010, much of the site has been paved. This decommissioning cost estimate assumes that the site will be covered with gravel, so a cost was added to demolish pavement.
- Additionally, the cost of gravel fill is greater than cost of dirt, which was used in the previous estimate.

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5. AVERAGE SERVICE LIFE EVALUATION

The S&L methodology for estimating the Average Service Life (ASL) of the facility is based on a review of the operations and maintenance (O&M) history of the site, a benchmarking analysis of similar facilities, information from the facility’s major OEMs, and other information from the S&L database.

5.1 DESCRIPTION OF FACILITY

MEF consists of two simple-cycle CT generators (MEF-1 and MEF-2) located in the Miramar area of San Diego, California. The facility is rated for 92 MW total, with each unit at 46 MW. The units began service in 2005 and 2009. The plant includes the major equipment listed in Table 5-1.

Table 5-1 — List of Equipment

Equipment	Manufacturer / Model	Note
Combustion Turbine #1 (CT1)	GE LM-6000 PC (Aeroderivative Combustion Turbine)	
Generator #1	Brush BDAX7.290ERJ	60 Hz; 13.8 kV; 2,978 amps; 71,176 kVA
Combustion Turbine #2 (CT2)	GE LM-6000 PC (Aeroderivative Combustion Turbine)	
Generator #2	Brush BDAX7.290ERJ	60 Hz; 13.8 kV; 2,978 amps; 71,176 kVA
Generator Step-up Transformer (GSU#1)	GE Prolec	13.8 kV-69 kV; 62 MVA
Generator Step-up Transformer (GSU#2)	GE Prolec	13.8 kV-69 kV; 62 MVA

The GE Model LM6000 PC is an aeroderivative CT that was commercially introduced in 1997.

The LM6000 line of CTs was originally developed in 1991. It approximately doubled the power output of GE’s older LM2500 aeroderivative CT line. With approximately 25 years of experience and hundreds of LM6000 units in service, the LM6000 is considered proven technology. The “PC” model includes water injection in the burner zone to reduce NO_x emissions from the CT. The MEF units include SCR in the CT exhaust gas stream to further reduce NO_x emissions to the permitted limit of 2.5 parts per million (ppm).

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Aeroderivative-type CTs (as opposed to heavy-duty frame CTs) are typically selected for simple-cycle peaking service where frequent starts are anticipated and a fast startup time is valued. Considering the elevated number starts for the MEF units (Table 5-2 below), an aeroderivative CT was an appropriate selection for MEF.

Figure 5-1 and Figure 5-2 below shows the major events and major outages of the two units during the life of the plant. The plant has performed regularly scheduled CT maintenance outages and inspections as well as maintenance for balance-of-plant systems.

Figure 5-1 — Timeline of Major Dates in History of MEF-1

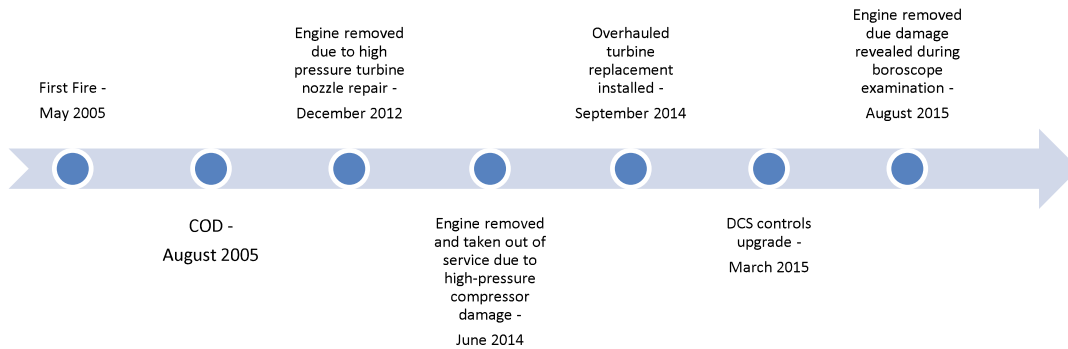
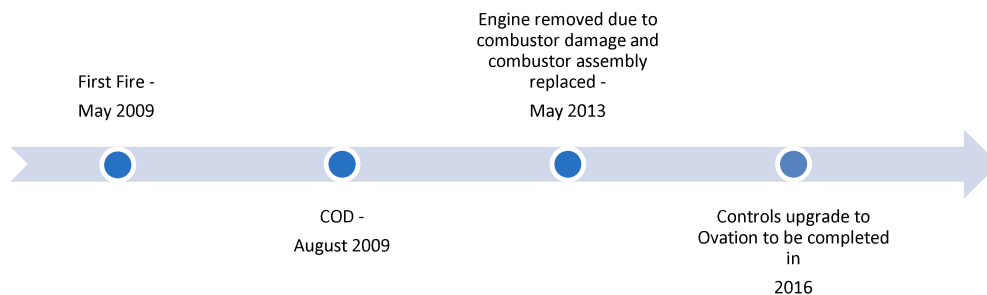


Figure 5-2 — Timeline of Major Dates in History of MEF-2



5.1.1 Site Operation and Maintenance

As shown in Figure 5-1, MEF-1 experienced a number of problems. Several blades in the high-pressure (HP) compressor failed, and a compressor blade was thrown due to a broken dovetail connection. Several GE

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LM6000s have experienced this problem. The unit was returned to GE to repair the HP blades; however, a decision was ultimately made to replace MEF-1 CT with a refurbished CT in 2014. The refurbished CT was provided by TransCanada Turbines (TCT), who is authorized by GE to perform maintenance and overhauls of GE aeroderivative CTs. TCT indicated that the unit was considered as a new engine with zero operating hours when installed at MEF. The practice of rebuilding and re-certifying CTs is fairly common in the power generation industry. Since the refurbishment was performed in a shop authorized by GE, there was a reasonable expectation that a quality CT was delivered by TCT.

However, in 2015 the refurbished engine was found to have bearing problems, and a blade tip broke off from the third stage compressor. The entire third stage was replaced and the bearing issues were corrected. To reach the expected service life, this part of the refurbished CT should be included in all future inspections for the foreseeable future, including closely monitoring vibrations and bearing conditions. Additionally, blades should be replaced according to the GE recommended interval, or sooner if an inspection so warrants.

SDG&E indicated that the average availability of MEF-1 and MEF-2 since their respective commercial operation dates (CODs) has been 84.86% and 91.34%, respectively. The average capacity factor for MEF-1 and MEF-2 has been 9.34% and 14.94%, respectively. The availability shows that MEF-1 has encountered more maintenance issues than MEF-2. In order to compare the two units, the last two years for MEF-1 should only be considered since the installation of the refurbished CT in September 2014. However, a breakout of MEF-1 data for the last two years was not available at the time this report was prepared. The capacity factor indicates that this facility is clearly used primarily for peak-demand periods. The operating hours vary greatly each year, ranging between 200 and 2,000 hours per year. Looking forward, the CTs are expected to be operated at roughly the same number of hours each year.

Since MEF operates as a peaking station, the operation of the units vary with demand. As shown in Table 5-2 and Table 5-3 below, MEF-2 has more than four times the number of starts and more than five times the number of operating hours of MEF-1.

Table 5-2 — Number of Starts

Type of Start	MEF-1	MEF-2
Starts	622	2,943

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Table 5-3 — Operating Hours

Equipment	Hours
Combustion Turbine 1 & Generator 1	1,868
Combustion Turbine 2 & Generator 2	10,493

MEF-1 and MEF-2 undergo an annual maintenance outage as well as regular CT and balance-of-plant inspections. GE’s recommended maintenance interval is based on the CT reaching either a threshold of equivalent operating hours or equivalent starts. For peaking units like MEF, the number-of-starts threshold would be reached first, which would define the recommended major maintenance interval.

SD&E’s inspection and maintenance schedule is noted in Table 5-4 and Table 5-5. While it is a typical schedule for CT maintenance frequency, it would be prudent to confirm that the number of starts does not exceed GE’s threshold value for the LM6000 PC model within the one-year maintenance interval schedule at the plant.

Table 5-4 — Combustion Turbine Maintenance Schedule

Maintenance Type	Interval
Maintenance Outage	Annual
Inspection of Gas Turbine and Balance of Plant	Quarterly / Semiannually

Table 5-5 — Combustion Turbine Maintenance History

Year	Month	MEF1	MEF2
2005	August	COD	
2005	November	Warranty Outage	
2007	June	Annual Inspection	
2009	August		COD
2010	February	Annual Inspection	
	June		Annual Inspection
2011	March	Annual Inspection	Annual Inspection
2012	April	Annual Inspection	Annual Inspection
2012	December	Forced Outage for HP Turbine Nozzle Repair	

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Year	Month	MEF1	MEF2
2013	January	Annual Inspection	
	March		Annual Inspection
2013	May		Forced Outage Due to Combustor Damage; Combustor Assembly Replaced
2014	June	Forced Outage for HP Compressor Blade Damage	
	September	Installation of Refurbished CT	
	October	Annual Inspection	Annual Inspection
2015	March	Annual Inspection	Annual Inspection
2015	August	Failure of Third Stage Compressor Blade Tips Detected in Boroscope Exam	
2016	March	Annual Inspection	Annual Inspection

5.2 BENCHMARKING ANALYSIS

A benchmarking study was performed by S&L to evaluate the average service life of plants similar to MEF. The ABB Velocity Suite, which provides historical operating data of CT units in North America, was used to collect data for a peer group established by S&L. The database utilizes information reported to the Federal Energy Regulatory Commission (FERC) from the electricity industry. The peer group was established using the criteria shown in Table 5-6 below.

Table 5-6 — MEF Benchmarking Peer Group Criteria

Criteria	Peer Group Selection
Plant Type	Natural-Gas-Fired, Simple-Cycle Units
Nameplate Capacity	40 – 60 MW
Manufacturer	General Electric
Model Series	LM6000

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The benchmarking analysis considered all GE LM6000 series, natural-gas-fired, simple-cycle units with a nameplate capacity between 40 and 60 MW. The database yielded results for 204 units. The oldest and youngest plants in the group entered commercial operation in November 1989 and December 2015, respectively. The oldest plant in the group had been operating for 26 years at the time this report was written (October 2016), which is consistent with the introduction of the LM6000 line in 1991. Of the 204 units, four units have retired and 10 units were converted to combined cycle shortly after COD.

The average age of the units in the peer group is just over 11 years. The median age is 13 years. MEF-1 and MEF-2 are two and seven years old, respectively, considering the refurbished unit for MEF-1. Of the 204 units, only four (2%) have been retired. Ages of the retired units range from three to 17 years. However, it is not possible to determine the cause of retirement from the database. Reasons for a unit to be retired could involve conditions besides technical, maintenance, or performance problems, such as economic factors like fuel cost, power pricing, environmental factors, or a combination of these factors.

The ABB Velocity database shows that the vast majority of installations are still operating. Assuming inspection and maintenance plans are being implemented according to GE's guidelines and industry norms, the results of the benchmarking analysis are consistent with the expected GE LM6000, gas-fired, simple-cycle unit service life of 30 years. The results of the benchmarking analysis are shown in Appendix C.

Although the peer group includes all 40- to 60-MW GE LM6000 simple-cycle gas turbines, the units at MEF are equipped with SCRs and water injection for NO_x control. Note that some LM6000 models, such as those with dry low-NO_x burners, do not require water injection. Water injection in a CT tends to increase wear on the CT parts. GE's maintenance guidelines typically indicate the projected impact by providing a multiplier for water injection for increased wear that, along with other project-specific operating factors, converts actual CT starts to "equivalent" starts. Maintenance intervals for peaking units are typically based on the number of equivalent starts. Consequently, units that consistently use water injection for NO_x control require maintenance at more frequent intervals when compared to units with less stringent NO_x emission requirements (i.e., no water injection) to reach a service life of 30 years.

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5.3 EVALUATION OF AVERAGE SERVICE LIFE

Generally, simple-cycle power plants based on natural-gas-fired CTs are expected to have a service life of 30 years.

There are a great number of factors that can extend or shorten the service life of such simple-cycle plants. Some factors are outside the operators' control, such as natural disasters, ambient weather conditions, manufacturer defects, and operational dispatch approach. However, by in large, the factors that extend the expected service life of a simple-cycle plant are diligent O&M practices and investments.

All power plant components require regular maintenance. CTs especially require strict maintenance inspection and regular refurbishment and replacement of parts since sections of the equipment (e.g., blades, nozzles, shrouds, combustion liners, bearings, and eventually the rotor) are exposed to high temperatures and stress. Hot gas path components and the CT rotor are typically rated for 100,000 to 160,000 operating hours, for example, and may need to be refurbished or replaced after that duration.

The CT maintenance and inspection schedule is designed to allow operators to track the wear of components and repair or replace components before a failure occurs. When major plant components reach their expected end-of-life, a lifetime extension program may be implemented. Lifetime extension programs typically include inspection and testing of compressor blades and vanes, flame tubes, burners, seal rings, casings, turbine blades, inner casings, and rotor discs.

In contrast, some plant components, such as steel structures and water piping, have a service life that will far exceed the life of a plant. Again, the investment in maintenance determines the longevity of the plant.

In summary, the average service life of a modern gas-fired, simple-cycle plant is expected to be 30 years, assuming the plant follows diligent O&M practices, invests in upgrades and refurbishments when necessary, and follows OEM procedures, such as using fuel compliant with the turbines' specifications. The benchmarking analysis showed 98% of the plants included in the database were in service, which indicates an overall high degree of reliability for this line of CTs. Depending on the O&M practices and level of investment in maintenance, a plant like MEF may be able to operate for more than 30 years.

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5.4 CONCLUSION

The average service life of the MEF units is expected to be 30 years or more with prudent O&M. However, considering the regional transition to renewable energy resources and other regulatory impacts in California, a reduction in estimated service life may be realistic. Considering the high potential for early retirement of current technologies will allow utilization costs to be more appropriately assigned to ratepayers.

While previous SDG&E studies have discussed the service life of the two gas turbines (MEF-1 and MEF-2) separately, this study considers the two gas turbines to be components of the total Miramar Energy Facility. As such, the service life of the facility will end when the older of the two gas turbines reaches its end of life. At that time, SDG&E will determine whether to reconfigure or close the facility.

[LAST PAGE OF SECTION 5.](#)

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Project 12699-004

Appendix A
Conceptual Estimate of Cost to Dismantle Miramar Energy Facility

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ESTIMATE NO. : 30598B
PROJECT NO. : 12699-004
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PREP/REV : BA/GA
APPROVED : MNO

SARGENT & LUNDY

SDG&E
MIRAMAR STATION
DISMANTLEMENT STUDY
SUGGESTED FERC ACCOUNTS / COST ESTIMATE

CODE OF ACCOUNT	DESCRIPTION A	SCRAP VALUE	MATERIAL COST	LABOR COST	TOTAL COST
11	DEMOLITION				
11-21 Total	CIVIL WORK		63,474	90,347	153,821
11-22 Total	CONCRETE			258,596	258,596
11-23 Total	STEEL	-7,012		27,694	20,682
11-24 Total	ARCHITECTURAL			50,341	50,341
11-31 Total	MECHANICAL EQUIPMENT	-60,256		317,885	257,629
11-35 Total	PIPING	-4,176		19,579	15,403
11-41 Total	ELECTRICAL EQUIPMENT	-13,050		85,623	72,573
11-42 Total	RACEWAY, CABLE TRAY, & CONDUIT			56,580	56,580
11-43 Total	CABLE			43,721	43,721
11-44 Total	CONTROL & INSTRUMENTATION			12,859	12,859
11-98 Total	WASTE		43,572		43,572
11-81 Total	SCRAP VALUE - COPPER	-173,692			-173,692
11 Total	DEMOLITION	-258,186	107,046	963,226	812,086
90	SUBTOTAL DIRECT & CONSTRUCTION INDIRECT COST	-258,186	107,046	963,226	812,086
91	OTHER DIRECT & CONSTRUCTION INDIRECT COST				
91-1	SCAFFOLDING - NOT REQUIRED				
91-2	COST DUE TO OVERTIME WORKING 5 -10 HOUR DAYS				
91-3	PER DIEM				
91-4	CONSUMABLES - INCLUDED IN WAGE RATE				
91-5	FREIGHT ON MATERIAL - INCLUDED IN MATERIAL COST				
91-6	FREIGHT ON EQUIPMENT - INCL IN EQUIPMENT COST				
91-7	SALES TAX - NOT INCLUDED				
91-8	N/A - NOT INCLUDED				
91-9	CONTRACTOR'S GENERAL AND ADMINISTRATION EXPENSE - % of ACCT NO. 90			48,161	48,161
91-10	CONTRACTOR'S PROFIT - % of ACCT NO. 90		8,564	77,058	85,622
	91 - SUBTOTAL		8,564	125,219	133,783
92	TOTAL DIRECT & CONSTRUCTION INDIRECT COST	-258,186	115,610	1,088,446	945,869
93	INDIRECT COST				
93-1	ENGINEERING, PROCUREMENT, & PROJECT SERVICES - % of ACCT NO. 92				60,000
93-2	CONSTRUCTION MANAGEMENT SUPPORT - % of ACCT NO. 92				18,917
93-3	S-U / COMMISSIONING - NOT INCLUDED				
93-4	N/A - NOT INCLUDED				
93-5	OWNERS COST - NOT INCLUDED				
93-6	EPC FEE - NOT INCLUDED				
	93 - TOTAL				78,917
94	TOTAL ESCALATION				
95	TOTAL CONTINGENCY				308,232

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CODE OF ACCOUNT	DESCRIPTION A	SCRAP VALUE	MATERIAL COST	LABOR COST	TOTAL COST
95-1	CONTINGENCY ON SCRAP VALUE - % of ACCT NO. 92, 94.1	51,637			51,637
95-2	CONTINGENCY ON MATERIAL - % of ACCT NO. 92, 94.2		23,122		23,122
95-3	CONTINGENCY ON LABOR - % of ACCT NO. 92, 94.3			217,689	217,689
95-4	CONTINGENCY ON INDIRECT - % of ACCT NO. 93, 94.4				15,783
96	TOTAL CONSTRUCTION COST				1,333,018
97	INTEREST DURING CONSTRUCTION (COMPOUNDED MONTHLY)				
98	TOTAL PROJECT COST				1,333,018

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PREP/REV: BA/GA
APPROVED: IMNO
LOCATION: San Diego, CA

SDG&E
MIRAMAR STATION
DISMANTLEMENT STUDY
SUGGESTED FERC ACCOUNTS / COST ESTIMATE
WAGE RATE: CASAN16 PRODUCTIVITY FACTOR: 1.2

CODE OF ACCOUNT	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL COST	FERC ACCOUNTS
DEMOLITION											
11-21	CIVIL WORK										
11-21-1	PAVED SURFACES		3,010	SY			433	146.02	63,291	63,291	341
11-21-2	COVER DISTURBED AREAS OF SITE WITH 6" OF COMPACTED GRAVEL		8,940	SY		63,474	215	126.10	27,056	90,530	341
11-21 Total							648		90,347	153,821	
11-22	CONCRETE										
11-22-1	TURBINE GENERATOR FDN	U-1	217	CY			220	117.91	25,975	25,975	344
11-22-2	TURBINE GENERATOR FDN	U-2	217	CY			220	117.91	25,975	25,975	344
11-22-3	AUX SKID FDN	U-1	58	CY			79	117.91	9,296	9,296	344
11-22-4	AUX SKID FDN	U-2	58	CY			79	117.91	9,296	9,296	344
11-22-5	WATER WASH PAD	U-1	6	CY			7	117.91	875	875	344
11-22-6	WATER WASH PAD	U-2	6	CY			7	117.91	875	875	344
11-22-7	15 KV SWITCHGEAR FDN	U-1	12	CY			16	117.91	1,894	1,894	345
11-22-8	15 KV SWITCHGEAR FDN	U-2	12	CY			16	117.91	1,894	1,894	345
11-22-9	ENGINE REMOVAL FDNS	U-1	2	CY			2	117.91	287	287	344
11-22-10	ENGINE REMOVAL FDNS	U-2	2	CY			2	117.91	287	287	344
11-22-11	FUEL GAS FILTER SEPERATOR FDN	U-1	4	CY			6	117.91	653	653	344
11-22-12	FUEL GAS FILTER SEPERATOR FDN	U-2	4	CY			6	117.91	653	653	344
11-22-13	OUTLET DUCT FDN A	U-1	4	CY			5	117.91	589	589	344
11-22-14	OUTLET DUCT FDN A	U-2	4	CY			5	117.91	589	589	344
11-22-15	OUTLET DUCT FDN B	U-1	3	CY			4	117.91	462	462	344
11-22-16	OUTLET DUCT FDN B	U-2	3	CY			4	117.91	462	462	344
11-22-17	OUTLET DUCT FDN C	U-1	3	CY			4	117.91	430	430	344
11-22-18	OUTLET DUCT FDN C	U-2	3	CY			4	117.91	430	430	344
11-22-19	OUTLET DUCT FDN D	U-1	10	CY			13	117.91	1,560	1,560	344
11-22-20	OUTLET DUCT FDN D	U-2	10	CY			13	117.91	1,560	1,560	344
11-22-21	AUX TRANSFORMER 480 V SWITCHGEAR FDN	U-1	29	CY			39	117.91	4,600	4,600	345
11-22-22	AUX TRANSFORMER 480 V SWITCHGEAR FDN	U-2	29	CY			39	117.91	4,600	4,600	345
11-22-23	AUX ELECTRIC ENCLOSURE FDN	U-1	8	CY			10	117.91	1,226	1,226	345
11-22-24	AUX ELECTRIC ENCLOSURE FDN	U-2	8	CY			10	117.91	1,226	1,226	345
11-22-25	STACK FDN	U-1	36	CY			48	117.91	5,715	5,715	344
11-22-26	STACK FDN	U-2	36	CY			48	117.91	5,715	5,715	344
11-22-27	CEMS FDN	U-1	3	CY			4	117.91	478	478	344
11-22-28	CEMS FDN	U-2	3	CY			4	117.91	478	478	344
11-22-29	AMONIA EVAP SKID	U-1	8	CY			11	117.91	1,273	1,273	342
11-22-30	AMONIA EVAP SKID	U-2	8	CY			11	117.91	1,273	1,273	342
11-22-31	EMERGENCY EYEWASH	U-1	1	CY			1	117.91	96	96	341
11-22-32	EMERGENCY EYEWASH	U-2	1	CY			1	117.91	96	96	341
11-22-33	BOP MCC FDN	U-1	4	CY			6	117.91	700	700	345

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LOCATION: San Diego, CA
SDG&E
MIRAMAR STATION
DISMANTLEMENT STUDY
SUGGESTED FERC ACCOUNTS / COST ESTIMATE
WAGE RATE: CASAN16 PRODUCTIVITY FACTOR: 1.2

PRICE LEVEL: 2016	CODE OF ACCOUNT	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL COST	FERC ACCOUNTS
	11-22-34	BOP MCC FDN	U-2	4	CY			6	117.91	700	700	345
	11-22-35	TEMPERING AIR DUCT FDNS	U-1	13	CY			17	117.91	2,022	2,022	345
	11-22-36	TEMPERING AIR DUCT FDNS	U-2	13	CY			17	117.91	2,022	2,022	345
	11-22-36	FIN FAN COOLER FDN	U-1	16	CY			22	117.91	2,579	2,579	345
	11-22-36	FIN FAN COOLER FDN	U-2	16	CY			22	117.91	2,579	2,579	345
	11-22-36	WATER TREATMENT CONCRETE PAD	U-1	60	CY			81	117.91	9,551	9,551	342
	11-22-36	WATER TREATMENT CONCRETE PAD	U-2	60	CY			81	117.91	9,551	9,551	342
	11-22-36	DEMIN WATER PUMP PAD	U-1	29	CY			39	117.91	4,632	4,632	342
	11-22-36	DEMIN WATER PUMP PAD	U-2	5	CY			6	117.91	748	748	342
	11-22-36	DEMIN WATER TANK FDN	U-1	60	CY			81	117.91	9,551	9,551	342
	11-22-36	DEMIN WATER TANK FDN	U-2	60	CY			81	117.91	9,551	9,551	342
	11-22-36	SERVICE BLDG & CONTROL ROOM	U-0	33	CY			45	117.91	5,301	5,301	341
	11-22-36	AIR COMPRESSOR PAD	U-0	13	CY			18	117.91	2,117	2,117	341
	11-22-36	BLACK START DG ENGINE	U-0	156	CY			210	117.91	24,800	24,800	344
	11-22-36	GAS COMPRESSOR FDN	U-0	226	CY			304	117.91	35,895	35,895	342
	11-22-36	GAS COMPRESSOR COOLER FDN	U-0	50	CY			68	117.91	7,975	7,975	342
	11-22-37	NEW WAREHOUSE	U-0	110	CY			149	117.91	17,510	17,510	341
		11-22 Total						2,193		258,596	258,596	
	11-23	STEEL		81	TN							
	11-23-1	EXHAUST STACK	U-1, 45' 10" DIA	11	TN	-940		35	107.16	3,711	2,771	344
	11-23-2	EXHAUST STACK	U-2, 45' 10" DIA	11	TN	-940		35	107.16	3,711	2,771	344
	11-23-3	DEMIN WATER STORAGE TANK	U-1, 200000 GALLON	28	TN	-2,436		90	107.16	9,621	7,185	342
	11-23-4	DEMIN WATER STORAGE TANK	U-2 200000 GALLON	28	TN	-2,436		90	107.16	9,621	7,185	342
	11-23-5	AQUEOUS AMMONIA STORAGE TANK	U-0, 6000 GALLON	3	TN	-261		10	107.16	1,031	770	344
		11-23 Total				-7,012		258		27,694	20,682	
	11-24	ARCHITECTURAL		53,877	CF							
	11-24-1	SERVICE BLDG & CONTROL ROOM	U-0, 50'X30'X14', STEEL BLDG	21,000	CF			101	117.16	11,810	11,810	341
	11-24-2	AIR COMPRESSOR BLDG	U-2, 245 SF'X9'	4,655	CF			22	117.16	2,618	2,618	341
	11-24-3	GAS COMPRESSOR BLDG	U-2, 1485.33 SF'X9'	28,222	CF			135	117.16	15,871	15,871	341
	11-24-4	NEW WAREHOUSE	U-0, 22'X90'X18'	35,640	CF			171	117.16	20,043	20,043	341
		11-24 Total						430		50,341	50,341	
	11-31	MECHANICAL EQUIPMENT		693	TN							
	11-31-1	COMBUSTION TURBINE (CT) WITH ACCESSORIES	U-1, LM6000 PC-SPRINT W/GENERATOR AND ACCESSORIES	266	TN	-23,142		1,140	107.16	122,114	98,972	344
	11-31-2	COMBUSTION TURBINE (CT) WITH ACCESSORIES	U-2, LM6000 PC-SPRINT W/GENERATOR AND ACCESSORIES	266	TN	-23,142		1,140	107.16	122,114	98,972	344
	11-31-3	BLACK START DG ENGINE	U-0, 625 KW, NATURAL GAS FUEL	5	TN	-435		21	107.16	2,295	1,860	344
	11-31-4	SCR CASING	U-1	21	TN	-1,827		90	107.16	9,641	7,814	344

San Diego Gas & Electric Company
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APPROVED : MNO
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SDG&E
MIRAMAR STATION
DISMANTLEMENT STUDY
SUGGESTED FERC ACCOUNTS / COST ESTIMATE
WAGE RATE: CASAN16 PRODUCTIVITY FACTOR: 1.2

CODE OF ACCOUNT	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL COST	FERC ACCOUNTS
11-31-5	SCR CAVITY DUCTWORK	U-1	33	TN	-2,871		141	107.16	15,149	12,278	344
11-31-6	SCR CASING	U-2	21	TN	-1,827		90	107.16	9,841	7,814	344
11-31-7	SCR CAVITY DUCTWORK	U-2	33	TN	-2,871		141	107.16	15,149	12,278	344
11-31-8	CT AIR INTAKE SYSTEM W DUCTS & SILENCER	U-1	20	TN	-1,740		86	107.16	9,181	7,441	344
11-31-9	CT AIR INTAKE SYSTEM W DUCTS & SILENCER	U-2	20	TN	-1,740		86	107.16	9,181	7,441	344
11-31-10	CT LUBE OIL SYSTEM INCL FIN FAN COOLER	U-1	3	TN	-261		13	107.16	1,377	1,116	344
11-31-11	CT LUBE OIL SYSTEM INCL FIN FAN COOLER	U-2	3	TN	-261		13	107.16	1,377	1,116	344
11-31-12	CT LUBE GAS FUEL	U-0, 1 - COALESCING FILTER SKID, GAS COMPRESSOR	1	TN	-87		4	107.16	459	372	344
11-31-13	DEMIN WTR TRANSFER PUMPS	U-1	0.3	TN	-26		1	107.16	103	77	342
11-31-14	DEMIN WTR TRANSFER PUMPS	U-2	0.3	TN	-26		1	107.16	103	77	342
11-31 Total					-60,256		2,966		317,885	257,629	
11-35	PIPING		48	TN							
11-35-1	LARGE BORE PIPING ABOVE GROUND PIPING	U1, 3550 LF/UNIT	24	TN	-2,088		77	107.16	8,246	6,158	342
11-35-2	LARGE BORE PIPING ABOVE GROUND PIPING	U2, 3550 LF/UNIT	24	TN	-2,088		77	107.16	8,246	6,158	342
11-35-3	FIRE LINES & HYDRANTS	U-0, ABANDON UNDERGND LINES REMOVE HYDRANT	1	LT			29	107.16	3,086	3,086	341
11-35 Total					-4,176		183		19,579	15,403	
11-41	ELECTRICAL EQUIPMENT		150	TN							
11-41-1	ELECTRICAL EQUIPMENT	U=0, CONTROL RM	1	LT			120	107.16	12,859	12,859	345
11-41-2	GENERATOR BUS TRANSFORMERS AND MISC ELECT EQUIPMENT	U-1, ACCESSORY ELECTRICAL EQUIPMENT	63	TN	-5,481		202	107.16	21,647	16,166	345
11-41-3	GENERATOR BUS TRANSFORMERS AND MISC ELECT EQUIPMENT	U-2, ACCESSORY ELECTRICAL EQUIPMENT	63	TN	-5,481		202	107.16	21,647	16,166	345
11-41-4	OUTDOOR LIGHTING	U-0 INCL LIGHT POLES	1	LT			180	117.91	21,224	21,224	345
11-41-5	STATION AUX TRANSFORMERS AND MISC ELECTRICAL EQUIP	U-1	12	TN	-1,044		38	107.16	4,123	3,079	345
11-41-6	STATION AUX TRANSFORMERS AND MISC ELECTRICAL EQUIP	U-2	12	TN	-1,044		38	107.16	4,123	3,079	345
11-41 Total					-13,050		781		85,623	72,573	
11-42	RACEWAY, CABLE TRAY, & CONDUIT		28,999	LF							
11-42-1	CONDUIT	U-1	12,000	LF			144	107.16	15,431	15,431	345
11-42-2	CONDUIT	U-2	12,000	LF			144	107.16	15,431	15,431	345
11-42-3	TRAY	U-1	2,500	LF			120	107.16	12,859	12,859	345
11-42-4	TRAY	U-2	2,500	LF			120	107.16	12,859	12,859	345
11-42 Total							528		56,580	56,580	
11-43	CABLE		139,000	LF							
11-43-1	MV CABLE	U-1	4,500	LF			54	107.16	5,787	5,787	345
11-43-2	MV CABLE	U-2	4,500	LF			54	107.16	5,787	5,787	345
11-43-3	LV CABLE	U-1	25,000	LF			150	107.16	16,074	16,074	345
11-43-4	LV CABLE	U-2	25,000	LF			150	107.16	16,074	16,074	345
11-43-5	CONTROL CABLE	U-1, ABANDONED	40,000	LF			150	107.16	16,074	16,074	345

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WAGE RATE: CASAN16 PRODUCTIVITY FACTOR: 1.2

CODE OF ACCOUNT	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL COST	FERC ACCOUNTS
11-43-6	LV CABLE	U-2, ABANDONED	40,000	LF				107.16			
11-43 Total							408		43,721	43,721	
11-44	CONTROL & INSTRUMENTATION		1	LT			120	107.16	12,859	12,859	345
11-44 Total							120		12,859	12,859	
11-98	WASTE		1,939	CY							
11-98-1	CONCRETE DEBRIS	TOTAL PLUS 5% SWELL	1,819	CY		36,372		107.16		36,372	341
11-98-2	RUBBISH & TENANT DEBRIS		120	CY		7,200		107.16		7,200	341
11-98 Total						43,572				43,572	
11-81	SCRAP VALUE - COPPER		971	TN							
11-81	STEEL	VALUE LISTED - SEE INDIV ACCOUNTS						107.16			
11-81	COPPER		50	TN							345
11-81	COPPER	U1,	25	TN	-86,846			107.16		-86,846	345
11-81	COPPER	U2	25	TN	-86,846			107.16		-86,846	345
11-81 Total					-173,692					-173,692	
11 Total					-258,186	107,046	8,515		963,226	812,086	
90	SUBTOTAL DIRECT & CONSTRUCTION INDIRECT COST				-258,186	107,046	8,515		963,226	812,086	
91	OTHER DIRECT & CONSTRUCTION INDIRECT COST										
91-1	SCAFFOLDING - NOT REQUIRED			%							
91-2	COST DUE TO OVERTIME WORKING 5-10 HOUR DAYS		1.0	EA							
91-3	PER DIEM	NONE		\$/HR							
91-4	CONSUMABLES - INCLUDED IN WAGE RATE			%							
91-5	FREIGHT ON MATERIAL - INCLUDED IN MATERIAL COST			%							
91-6	FREIGHT ON EQUIPMENT - INCL IN EQUIPMENT COST			%							
91-7	SALES TAX - NOT INCLUDED			%							
91-8	N/A - NOT INCLUDED			%							
91-9	CONTRACTOR'S GENERAL AND ADMINISTRATION EXPENSE - % of ACCT NO. 90		5.0	%					48,161	48,161	
91-10	CONTRACTOR'S PROFIT - % of ACCT NO. 90		8.0	%		8,564			77,058	85,622	
91 - SUBTOTAL					8,564				125,219	133,783	
92	TOTAL DIRECT & CONSTRUCTION INDIRECT COST				-258,186	115,610	8,515		1,068,446	945,869	
93	INDIRECT COST										

San Diego Gas & Electric Company
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WAGE RATE: CASAN16 PRODUCTIVITY FACTOR: 1.2

CODE OF ACCOUNT	DESCRIPTION A	DESCRIPTION B	QTY	UM	SCRAP VALUE	MATERIAL COST	MAN-HOURS	CREW WAGE RATE	LABOR COST	TOTAL COST	FERC ACCOUNTS
93-1	ENGINEERING, PROCUREMENT, & PROJECT SERVICES - % of ACCT NO. 92		1.0	LS						60,000	
93-2	CONSTRUCTION MANAGEMENT SUPPORT - % of ACCT NO. 92		2.0	%						18,917	
93-3	S-U / COMMISSIONING - NOT INCLUDED			%							
93-4	N/A - NOT INCLUDED			%							
93-5	OWNERS COST - NOT INCLUDED			%							
93-6	EPC FEE - NOT INCLUDED			%							
	93 - TOTAL									78,917	
94	TOTAL ESCALATION										
95	TOTAL CONTINGENCY									308,232	
95-1	CONTINGENCY ON SCRAP VALUE - % of ACCT NO. 92, 94.1		-20.0	%	51,637					51,637	
95-2	CONTINGENCY ON MATERIAL - % of ACCT NO. 92, 94.2		20.0	%		23,122				23,122	
95-3	CONTINGENCY ON LABOR - % of ACCT NO. 92, 94.3		20.0	%				217,689	217,689	217,689	
95-4	CONTINGENCY ON INDIRECT - % of ACCT NO. 93, 94.4		20.0	%						15,763	
96	TOTAL CONSTRUCTION COST									1,333,018	
97	INTEREST DURING CONSTRUCTION (COMPOUNDED MONTHLY)										
98	TOTAL PROJECT COST									1,333,018	

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Appendix B
Conceptual Estimate of Cost — FERC Accounts

San Diego Gas & Electric Company
2019 GRC - APP

SARGENT & LUNDY

ESTIMATE NO. : 30598B
PROJECT NO. : 12699-004
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PREPARED BY : BA/GA
APPROVED BY : MNO

SDG&E
MIRAMAR STATION
DISMANTLEMENT STUDY
BY FERC ACCOUNTS

FERC ACC.	DESCRIPTION	SCRAP VALUE	MATERIAL COST	LABOR COST	OTHER DIRECT COST	INDIRECT COST	ESCALATION	CONTINGENCY	TOTAL COST
341	Other Production - Structures & Improvements		107,046	168,893	30,520			61,292	367,751
342	Other Production - Fuel Holders, Producers and Accessories	-9,100		125,940	16,372			30,282	163,494
344	Other Production - Generators	-62,344		443,568	57,664			112,715	551,603
345	Other Production - Accessory Electric Equipment	-186,742		224,825	29,227			88,159	155,469
11	ENGINEERING, PROCUREMENT, & PROJECT SERVICES					60,000		12,000	72,000
12	CONSTRUCTION MANAGEMENT SUPPORT					18,917		3,783	22,701
13	S-U/COMMISSIONING								
14	OWNERS COST								
15	EPC FEE								
16	N/A								
	TOTAL CONSTRUCTION COST	-258,186	107,046	963,226	133,783	78,917		308,232	1,333,018
	INTEREST DURING CONSTRUCTION (COMPOUNDED MONTHLY)							0	0
	TOTAL PROJECT COST								1,333,018

Appendix C
Benchmarking Peer Group Dataset

ABB Velocity Suite Database
Peer Group
Natural Gas fired Simple Cycles
Nameplate Rating: 40 - 60 MW
Manf: GE
Model: LM6000

Plant State	Prime Mover Code	Prime Mover Category	Generator Manufacturer	Generator Model	Nameplate Capacity MW	Net Summer Capacity MW	Net Winter Capacity MW	Unit Status	Commercial Online Date	Retirement Date	Proposed Retirement Date	Unit Age (Years)	Number of Units	Grid Connected (Y/N)	Primary Fuel Code
1 Alabama	GT	GT	General Electric Co	General Electric Co-LM6000PC	49.3	47.5	48.3	Operating	6/11/2004			12	1	Y	NG
2 Alabama	GT	GT	General Electric Co	General Electric Co-LM6000PC	49.3	47.5	48.3	Operating	6/11/2004			12	1	Y	NG
3 Pennsylvania	GT	GT	General Electric Co	General Electric Co-GE LM6000	43.8	44	44	Operating	12/1/1999			16	1	Y	NG
4 Pennsylvania	GT	GT	General Electric Co	General Electric Co-GE LM6000	43.8	44	44	Operating	12/1/1999			16	1	Y	NG
5 Pennsylvania	GT	GT	General Electric Co	General Electric Co-GE LM6000	43.8	44	44	Operating	12/1/2001			14	1	Y	NG
6 Pennsylvania	GT	GT	General Electric Co	General Electric Co-GE LM6000	43.8	44	44	Operating	12/1/2001			14	1	Y	NG
7 Pennsylvania	GT	GT	General Electric Co	General Electric Co-GE LM6000	44	45	45	Operating	1/4/2001			15	1	Y	NG
8 California	GT	GT	General Electric Co	General Electric Co-LM5000-PD (STIG)	49.2	44.5	46.5	Operating	5/1/1991			25	1	Y	NG
9 California	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	50	49.4	49.4	Operating	7/29/2011			5	1	Y	NG
10 California	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	50	49.4	49.4	Operating	7/16/2011			5	1	Y	NG
11 California	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	50	49.4	49.4	Operating	5/23/2011			5	1	Y	NG
12 California	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	50	49.4	49.4	Operating	5/23/2011			5	1	Y	NG
13 Alberta	GT	GT	General Electric Co	General Electric Co-LM6000PC	45	43	45	Operating	1/29/1999			17	1	Y	NG
14 Alberta	GT	GT	General Electric Co	General Electric Co-GE LM6000	45	45	45	Operating	12/11/2001			14	1	Y	NG
15 Alberta	GT	GT	General Electric Co	General Electric Co-GE LM6000	45	45	45	Operating	9/9/2008			8	1	Y	NG
16 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC	51.4	47	48	Operating	6/1/2001			15	1	Y	NG
17 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC	51.4	47	48	Operating	6/1/2001			15	1	Y	NG
18 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC	51.4	47	48	Operating	6/1/2001			15	1	Y	NG
19 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC	51.4	47	48	Operating	6/1/2001			15	1	Y	NG
20 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC	51.4	47	48	Operating	6/1/2010			6	1	Y	NG
21 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC	51.4	47	48	Operating	6/1/2010			6	1	Y	NG
22 California	GT	GT	General Electric Co	General Electric Co-LM5000-PD (STIG)	46	46	46	Operating	4/1/1999			25	1	Y	NG
23 British Columbia	GT	GT	General Electric Co	General Electric Co-LM6000PC	46	46	46	Operating	4/1/1999			17	1	Y	NG
24 California	GT	GT	General Electric Co	General Electric Co-LM5000-PD (STIG)	46	46	46	Operating	4/3/1995			21	1	Y	NG
25 South Dakota	GT	GT	General Electric Co	General Electric Co-LM6000PD	40	34	38	Operating	3/1/2002			14	1	Y	NG
26 Wyoming	GT	GT	General Electric Co	General Electric Co-LM6000PD	40	34	37	Operating	6/1/2000			16	1	Y	NG
27 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC	49.1	47	50	Operating	10/7/2009			7	1	Y	NG
28 Virginia	GT	GT	General Electric Co	General Electric Co-GE LM6000	44	40	43	Operating	6/25/2002			14	1	Y	NG
29 Virginia	GT	GT	General Electric Co	General Electric Co-GE LM6000	44	40	43	Operating	6/25/2002			14	1	Y	NG
30 California	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	47	45	45	Operating	1/1/2003			13	1	Y	NG
31 California	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	47	45	45	Operating	1/1/2003			13	1	Y	NG
32 California	GT	GT	General Electric Co	General Electric Co-GE LM6000	47.3	45	45	Operating	7/12/2002			14	1	Y	NG
33 New York	GT	GT	General Electric Co	General Electric Co-LM6000PC	60	44.4	48.1	Operating	7/1/2002			14	1	Y	NG
34 New York	GT	GT	General Electric Co	General Electric Co-LM6000PC	47	44.5	47.1	Operating	4/1/1995			21	1	Y	NG
35 Alberta	GT	GT	General Electric Co	General Electric Co-GE LM6000	45	45	45	Operating	3/10/2008			8	1	Y	NG
36 California	GT	GT	General Electric Co	General Electric Co-LM5000-PD (STIG)	46	46	48	Operating	3/1/1990			26	1	Y	NG
37 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	57.4	46	48	Operating	6/3/2004			12	1	Y	NG
38 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	57.4	46	48	Operating	6/3/2004			12	1	Y	NG
39 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	57.4	46	48	Operating	6/3/2004			12	1	Y	NG
40 Texas	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	57.4	46	48	Operating	6/3/2004			12	1	Y	NG
41 Florida	GT	GT	General Electric Co	General Electric Co-GE LM6000	43	46	47	Operating	1/1/1994			22	1	Y	NG
42 Indiana	GT	GT	General Electric Co	General Electric Co-GE LM6000	45	43	43	Operating	7/31/2001			15	1	Y	NG
43 Indiana	GT	GT	General Electric Co	General Electric Co-GE LM6000	45	43	43	Operating	7/31/2001			15	1	Y	NG
44 Indiana	GT	GT	General Electric Co	General Electric Co-GE LM6000	45	43	43	Operating	8/20/2001			15	1	Y	NG
45 Ontario	GT	GT	General Electric Co	General Electric Co-GE LM6000	42	42	42	Operating	11/9/2009			6	1	Y	NG
46 Ontario	GT	GT	General Electric Co	General Electric Co-GE LM6000	42	42	42	Operating	11/9/2009			6	1	Y	NG
47 New York	GT	GT	General Electric Co	General Electric Co-LM6000PC Sprint	50	45.6	46.3	Operating	7/24/2002			14	1	Y	NG