

Company: Southern California Gas Company (U 904 G)
Proceeding: 2024 General Rate Case
Application: A.22-05-_____
Exhibit No: (SCG-32-WP)

WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF DANE A. WATSON
ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY
VOLUME 6 OF 7

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

MAY 2022



Actuarial Data Base (Continued)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
382x-Meter Installations	Retirement	2002	1994	(15,542.74)
382x-Meter Installations	Retirement	2005	1994	(23,636.63)
382x-Meter Installations	Retirement	2005	1948	(25,280.63)
382x-Meter Installations	Retirement	2012	1994	(26,129.18)
382x-Meter Installations	Retirement	2019	1994	(27,626.24)
382x-Meter Installations	Retirement	2004	1994	(30,320.55)
382x-Meter Installations	Retirement	2003	1935	(10,453.11)
382x-Meter Installations	Retirement	2004	1935	(31,359.33)
382x-Meter Installations	Retirement	2006	1948	(27,374.41)
382x-Meter Installations	Retirement	2020	1994	(42,037.18)
382x-Meter Installations	Retirement	2009	1994	(48,349.49)
382x-Meter Installations	Retirement	2007	1994	(49,521.60)
382x-Meter Installations	Retirement	2003	1948	(29,847.40)
382x-Meter Installations	Retirement	2012	1995	(72,828.60)
382x-Meter Installations	Retirement	2006	1995	(73,646.86)
382x-Meter Installations	Retirement	2018	1995	(88,579.87)
382x-Meter Installations	Retirement	2017	1995	(102,972.00)
382x-Meter Installations	Retirement	2007	1955	(22,795.01)
382x-Meter Installations	Retirement	2015	1995	(126,204.38)
382x-Meter Installations	Retirement	2016	1995	(133,099.82)
382x-Meter Installations	Retirement	2010	1995	(144,850.22)
382x-Meter Installations	Retirement	2008	1995	(145,858.22)
382x-Meter Installations	Retirement	2011	1995	(200,798.85)
382x-Meter Installations	Retirement	2015	1948	(35,845.72)
382x-Meter Installations	Retirement	2007	1995	(294,712.22)
382x-Meter Installations	Retirement	2015	1962	(14,117.45)
382x-Meter Installations	Retirement	2004	1948	(39,697.03)
382x-Meter Installations	Retirement	2014	1994	(58,481.22)
382x-Meter Installations	Retirement	2016	1962	(18,088.02)
382x-Meter Installations	Retirement	2013	1994	(62,224.98)
382x-Meter Installations	Retirement	2011	1994	(65,813.26)
382x-Meter Installations	Retirement	2010	1994	(72,076.12)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
382x-Meter Installations	Retirement	2006	1994	(88,320.26)
382x-Meter Installations	Retirement	2018	1994	(117,022.28)
382x-Meter Installations	Retirement	2017	1994	(136,695.40)
382x-Meter Installations	Retirement	2008	1994	(163,150.35)
382x-Meter Installations	Retirement	2015	1994	(171,078.53)
382x-Meter Installations	Retirement	2016	1994	(178,732.47)
382x-Meter Installations	Retirement	2002	1948	(57,098.21)
382x-Meter Installations	Retirement	2012	1948	(62,925.97)
382x-Meter Installations	Retirement	2000	1962	(58,794.83)
382x-Meter Installations	Retirement	2007	1962	(62,693.83)
382x-Meter Installations	Retirement	2005	1962	(63,308.46)
382x-Meter Installations	Retirement	2000	1900	(641.66)
382x-Meter Installations	Retirement	2006	1962	(64,230.43)
382x-Meter Installations	Retirement	2001	1962	(65,463.25)
382x-Meter Installations	Retirement	2011	1948	(92,561.06)
382x-Meter Installations	Retirement	2004	1962	(90,630.43)
382x-Meter Installations	Retirement	2003	1962	(97,452.10)
382x-Meter Installations	Retirement	2014	1948	(214,229.73)
382x-Meter Installations	Retirement	2008	1962	(101,109.15)
382x-Meter Installations	Retirement	2002	1962	(127,998.39)
382x-Meter Installations	Retirement	2011	1962	(266,889.78)
382x-Meter Installations	Retirement	2010	1962	(590,568.36)
382x-Meter Installations	Retirement	2020	1998	(42,505.78)
382x-Meter Installations	Retirement	2014	1998	(49,663.41)
382x-Meter Installations	Retirement	2018	1998	(115,430.96)
382x-Meter Installations	Retirement	2017	1998	(131,940.51)
382x-Meter Installations	Retirement	2015	1998	(149,834.27)
382x-Meter Installations	Retirement	2019	1958	(485.62)
382x-Meter Installations	Retirement	2016	1998	(164,182.96)
382x-Meter Installations	Retirement	2013	1998	(271,433.43)
382x-Meter Installations	Retirement	2020	1958	(582.73)
382x-Meter Installations	Retirement	2009	1958	(2,189.89)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
382x-Meter Installations	Retirement	2002	1930	(12,852.34)
382x-Meter Installations	Retirement	2012	1997	(681.37)
382x-Meter Installations	Retirement	2001	1997	(903.13)
382x-Meter Installations	Retirement	2001	1930	(28,898.46)
382x-Meter Installations	Retirement	2018	1958	(8,255.55)
383x-House Regulators	Retirement	2005	1955	(70,397.43)
383x-House Regulators	Retirement	1999	1996	(11,193.87)
383x-House Regulators	Retirement	2005	1958	(93,988.23)
383x-House Regulators	Retirement	2005	1925	(680.22)
383x-House Regulators	Retirement	2005	1934	(175.00)
383x-House Regulators	Retirement	1999	1988	365.58
383x-House Regulators	Retirement	2005	1954	(40,594.64)
383x-House Regulators	Retirement	2005	1947	(20,205.05)
383x-House Regulators	Retirement	2005	1929	(297.17)
383x-House Regulators	Retirement	1999	1993	(6,375.25)
383x-House Regulators	Retirement	2005	1961	(91,663.44)
383x-House Regulators	Retirement	2006	1993	(27,313.68)
383x-House Regulators	Retirement	2012	1992	(2,491.01)
383x-House Regulators	Retirement	2006	1992	(8,992.95)
383x-House Regulators	Retirement	1999	1992	(10,588.89)
383x-House Regulators	Retirement	2005	1938	(617.49)
383x-House Regulators	Retirement	2005	1957	(122,235.28)
383x-House Regulators	Retirement	2005	1933	(308.81)
383x-House Regulators	Retirement	1999	1960	(17,738.48)
383x-House Regulators	Retirement	1999	1990	(4,626.64)
383x-House Regulators	Retirement	2005	1960	(50,938.60)
383x-House Regulators	Retirement	2005	1946	(7,948.45)
383x-House Regulators	Retirement	1999	1988	(22,955.70)
383x-House Regulators	Retirement	2005	1953	(31,243.27)
383x-House Regulators	Retirement	2005	1969	(238,772.17)
383x-House Regulators	Retirement	2005	1978	(197,632.34)
383x-House Regulators	Retirement	2005	1976	(155,316.66)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
383x-House Regulators	Retirement	2005	1980	(702,876.84)
383x-House Regulators	Retirement	1999	1975	(386.72)
383x-House Regulators	Retirement	2005	1928	(476.65)
383x-House Regulators	Retirement	2005	1968	(219,760.77)
383x-House Regulators	Retirement	1999	1967	(124.61)
383x-House Regulators	Retirement	2005	1977	(283,643.92)
383x-House Regulators	Retirement	2005	1975	(298,524.92)
383x-House Regulators	Retirement	2005	1937	(1,255.51)
383x-House Regulators	Retirement	2005	1967	(186,671.91)
383x-House Regulators	Retirement	2005	1932	(219.18)
383x-House Regulators	Retirement	2005	1966	(216,559.73)
383x-House Regulators	Retirement	2005	1944	(157.29)
383x-House Regulators	Retirement	2019	1984	(877,383.36)
383x-House Regulators	Retirement	2017	1984	(250,861.73)
383x-House Regulators	Retirement	2020	1984	(904,917.50)
383x-House Regulators	Retirement	2018	1984	(1,094,034.69)
383x-House Regulators	Retirement	2005	1965	(188,933.32)
383x-House Regulators	Retirement	1999	1983	(31,534.91)
383x-House Regulators	Retirement	2007	1983	(156,518.50)
383x-House Regulators	Retirement	2017	1983	(457,296.63)
383x-House Regulators	Retirement	2013	1983	(564,547.09)
383x-House Regulators	Retirement	2014	1983	(620,390.42)
383x-House Regulators	Retirement	2011	1983	(661,829.76)
383x-House Regulators	Retirement	2012	1983	(669,243.24)
383x-House Regulators	Retirement	2008	1983	(893,759.17)
383x-House Regulators	Retirement	2010	1983	(1,006,679.51)
383x-House Regulators	Retirement	2009	1983	(1,011,416.77)
383x-House Regulators	Retirement	2016	1983	(1,414,750.68)
383x-House Regulators	Retirement	2015	1983	(2,439,485.62)
383x-House Regulators	Retirement	2005	1951	(28,720.99)
383x-House Regulators	Retirement	1999	1964	(528.45)
383x-House Regulators	Retirement	1999	1982	(271,909.02)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
383x-House Regulators	Retirement	2007	1982	(502,679.69)
383x-House Regulators	Retirement	2006	1982	(594,587.07)
383x-House Regulators	Retirement	2005	1982	(1,666,384.79)
383x-House Regulators	Retirement	2005	1964	(154,382.29)
383x-House Regulators	Retirement	2003	2002	(262.17)
383x-House Regulators	Retirement	2005	1981	(534,221.86)
383x-House Regulators	Retirement	2005	1979	(504,961.69)
383x-House Regulators	Retirement	2005	1940	(1,697.01)
383x-House Regulators	Retirement	2005	1956	(113,931.27)
383x-House Regulators	Retirement	2005	1974	(371,231.13)
383x-House Regulators	Retirement	2005	1950	(46,637.68)
383x-House Regulators	Retirement	2005	1952	(44,260.91)
383x-House Regulators	Retirement	2005	1973	(496,358.49)
383x-House Regulators	Retirement	2005	1936	(101.68)
383x-House Regulators	Retirement	1999	1972	(1,858.64)
383x-House Regulators	Retirement	2005	1972	(261,310.99)
383x-House Regulators	Retirement	1999	1971	(130.44)
383x-House Regulators	Retirement	2005	1971	(783,803.44)
383x-House Regulators	Retirement	2005	1949	(28,010.27)
383x-House Regulators	Retirement	2005	1970	(322,679.43)
383x-House Regulators	Retirement	2005	1931	(1,454.47)
383x-House Regulators	Retirement	2005	1935	(150.00)
383x-House Regulators	Retirement	2005	1963	(151,315.55)
383x-House Regulators	Retirement	2005	1943	(525.52)
383x-House Regulators	Retirement	2005	1926	(294.29)
383x-House Regulators	Retirement	1999	1998	(2,469.88)
383x-House Regulators	Retirement	2005	1939	(1,111.81)
383x-House Regulators	Retirement	2005	1959	(72,171.89)
383x-House Regulators	Retirement	2006	1995	(7,215.34)
383x-House Regulators	Retirement	1999	1994	(3,760.47)
383x-House Regulators	Retirement	1999	1995	(18,913.12)
383x-House Regulators	Retirement	2006	1994	(25,398.87)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
383x-House Regulators	Retirement	2005	1948	(33,868.30)
383x-House Regulators	Retirement	2005	1962	(141,164.68)
383x-House Regulators	Retirement	1999	1997	(6,096.72)
387x-Other Eq	Retirement	2007	1997	(18,762.77)
387x-Other Eq	Retirement	2000	1997	(18,762.77)
387x-Other Eq	Retirement	1999	1997	(18,762.77)
387x-Other Eq	Retirement	2001	1997	(18,762.78)
387x-Other Eq	Retirement	2008	1942	(71.89)
387x-Other Eq	Retirement	2004	1961	(141.90)
387x-Other Eq	Retirement	2004	1996	(33,638.81)
387x-Other Eq	Retirement	2000	1996	(181,538.14)
387x-Other Eq	Retirement	2001	1996	(182,077.04)
387x-Other Eq	Retirement	2007	1996	(458,988.28)
387x-Other Eq	Retirement	2010	1989	(804.48)
387x-Other Eq	Retirement	2009	1989	(1,632.28)
387x-Other Eq	Retirement	2016	1988	(70,362.59)
387x-Other Eq	Retirement	2008	1954	(397.32)
387x-Other Eq	Retirement	2007	1954	(1,730.08)
387x-Other Eq	Retirement	2003	1954	(1,852.58)
387x-Other Eq	Retirement	2004	1987	(8,640.56)
387x-Other Eq	Retirement	2000	1987	(13,519.90)
387x-Other Eq	Retirement	2008	1961	(2,375.62)
387x-Other Eq	Retirement	2003	1987	(63,581.69)
387x-Other Eq	Retirement	2003	1989	(11,056.86)
387x-Other Eq	Retirement	2008	1989	(12,070.19)
387x-Other Eq	Retirement	2002	1989	(18,563.37)
387x-Other Eq	Retirement	2003	1988	(3,611.92)
387x-Other Eq	Retirement	2010	1957	(1,517.29)
387x-Other Eq	Retirement	2000	1994	(522,084.33)
387x-Other Eq	Retirement	1999	1994	(602,337.76)
387x-Other Eq	Retirement	2003	1994	(781,319.29)
387x-Other Eq	Retirement	2020	1993	(779.52)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
387x-Other Eq	Retirement	2008	1993	(5,595.66)
387x-Other Eq	Retirement	2017	1993	(34,510.32)
387x-Other Eq	Retirement	2018	1993	(67,600.00)
387x-Other Eq	Retirement	2004	1993	(288,263.39)
387x-Other Eq	Retirement	2007	1993	(729,753.25)
387x-Other Eq	Retirement	1999	1993	(754,837.78)
387x-Other Eq	Retirement	2001	1993	(801,780.26)
387x-Other Eq	Retirement	2000	1993	(1,588,486.97)
387x-Other Eq	Retirement	2020	1992	(1,123.77)
387x-Other Eq	Retirement	2008	1938	(141.15)
387x-Other Eq	Retirement	2018	1992	(52,793.98)
387x-Other Eq	Retirement	2004	1992	(89,677.41)
387x-Other Eq	Retirement	2007	1992	(180,890.44)
387x-Other Eq	Retirement	2008	1960	(155.16)
387x-Other Eq	Retirement	2000	1992	(518,351.47)
387x-Other Eq	Retirement	1999	1992	(724,036.58)
387x-Other Eq	Retirement	2016	1957	(32,599.14)
387x-Other Eq	Retirement	2004	1991	(11,981.16)
387x-Other Eq	Retirement	1999	1991	(45,050.50)
387x-Other Eq	Retirement	2000	1991	(331,104.78)
387x-Other Eq	Retirement	2004	1960	(4,022.52)
387x-Other Eq	Retirement	2003	1990	(2,853.27)
387x-Other Eq	Retirement	2002	1990	(3,349.17)
387x-Other Eq	Retirement	2018	1989	(60,775.40)
387x-Other Eq	Retirement	2008	1956	(95.51)
387x-Other Eq	Retirement	2009	1987	(790.35)
387x-Other Eq	Retirement	2008	1941	(119.52)
387x-Other Eq	Retirement	2003	1978	(3,589.17)
387x-Other Eq	Retirement	2004	1976	(14,675.14)
387x-Other Eq	Retirement	2003	1976	(19,562.44)
387x-Other Eq	Retirement	2003	1980	(1,267.65)
387x-Other Eq	Retirement	2012	1978	(21,102.77)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
387x-Other Eq	Retirement	2000	1980	(14,469.30)
387x-Other Eq	Retirement	2008	1937	(71.40)
387x-Other Eq	Retirement	2003	1937	(95.86)
387x-Other Eq	Retirement	2001	1968	(218.11)
387x-Other Eq	Retirement	2008	1968	(1,502.35)
387x-Other Eq	Retirement	2006	1975	(1,661.49)
387x-Other Eq	Retirement	2002	1975	(1,998.00)
387x-Other Eq	Retirement	2000	1975	(2,586.30)
387x-Other Eq	Retirement	2016	1979	(391.14)
387x-Other Eq	Retirement	2003	1977	(4,557.15)
387x-Other Eq	Retirement	2007	1977	(8,797.52)
387x-Other Eq	Retirement	2002	1977	(9,435.11)
387x-Other Eq	Retirement	2007	1975	(7,337.58)
387x-Other Eq	Retirement	2008	1975	(8,800.69)
387x-Other Eq	Retirement	2010	1975	(11,693.02)
387x-Other Eq	Retirement	2004	1977	(64,641.02)
387x-Other Eq	Retirement	2008	1967	(7,313.58)
387x-Other Eq	Retirement	2003	1975	(49,244.07)
387x-Other Eq	Retirement	2000	1986	(19,826.73)
387x-Other Eq	Retirement	2004	1986	(22,092.37)
387x-Other Eq	Retirement	2016	1986	(2,411.81)
387x-Other Eq	Retirement	2004	1966	(2,979.67)
387x-Other Eq	Retirement	2006	1986	(8,441.34)
387x-Other Eq	Retirement	2010	1985	(10,394.45)
387x-Other Eq	Retirement	2004	1985	(11,995.31)
387x-Other Eq	Retirement	2006	1985	(14,000.00)
387x-Other Eq	Retirement	2003	1985	(85,278.99)
387x-Other Eq	Retirement	2001	1965	(189.75)
387x-Other Eq	Retirement	2008	1965	(675.45)
387x-Other Eq	Retirement	2016	1984	(3,700.00)
387x-Other Eq	Retirement	2004	1984	(5,512.97)
387x-Other Eq	Retirement	2003	1984	(63,590.43)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
387x-Other Eq	Retirement	2004	1951	(2,755.61)
387x-Other Eq	Retirement	2008	1951	(4,679.83)
387x-Other Eq	Retirement	2003	1983	(40,861.20)
387x-Other Eq	Retirement	2003	1982	(7,899.28)
387x-Other Eq	Retirement	2004	1982	(12,883.67)
387x-Other Eq	Retirement	2009	2004	(587.93)
387x-Other Eq	Retirement	2012	2004	(6,565.86)
387x-Other Eq	Retirement	2020	2004	(8,312.66)
387x-Other Eq	Retirement	2020	2002	(239.75)
387x-Other Eq	Retirement	2000	2000	(0.01)
387x-Other Eq	Retirement	2004	1981	(1,371.46)
387x-Other Eq	Retirement	2017	2000	(19.33)
387x-Other Eq	Retirement	2008	1981	(12,571.75)
387x-Other Eq	Retirement	2002	1981	(18,881.05)
387x-Other Eq	Retirement	2009	2000	(521.43)
387x-Other Eq	Retirement	2003	1981	(19,997.15)
387x-Other Eq	Retirement	2000	1981	(47,390.02)
387x-Other Eq	Retirement	2008	1940	(133.24)
387x-Other Eq	Retirement	2019	2004	(42,438.02)
387x-Other Eq	Retirement	2008	1950	(588.85)
387x-Other Eq	Retirement	2008	1963	(3,253.16)
387x-Other Eq	Retirement	2017	2004	(67,765.20)
387x-Other Eq	Retirement	2003	1950	(974.95)
387x-Other Eq	Retirement	2009	2002	(3,846.50)
387x-Other Eq	Retirement	2003	2000	(105,659.15)
387x-Other Eq	Retirement	2019	1976	(358.49)
387x-Other Eq	Retirement	2018	2004	(316,851.27)
387x-Other Eq	Retirement	2018	2002	(30,165.29)
387x-Other Eq	Retirement	2003	1974	(1,008.87)
387x-Other Eq	Retirement	2012	2002	(153,298.04)
387x-Other Eq	Retirement	2016	2002	(187,520.25)
387x-Other Eq	Retirement	2017	2002	(198,010.85)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
387x-Other Eq	Retirement	2008	1974	(3,088.40)
387x-Other Eq	Retirement	2002	1974	(4,495.96)
387x-Other Eq	Retirement	2013	1974	(6,232.89)
387x-Other Eq	Retirement	2009	2005	(627.23)
387x-Other Eq	Retirement	2010	2003	(552.71)
387x-Other Eq	Retirement	2009	2003	(8,427.52)
387x-Other Eq	Retirement	2013	1973	(2,620.89)
387x-Other Eq	Retirement	2003	1973	(6,470.09)
387x-Other Eq	Retirement	2004	1973	(11,001.57)
387x-Other Eq	Retirement	2009	1999	(1,528.02)
387x-Other Eq	Retirement	2008	1973	(19,296.96)
387x-Other Eq	Retirement	2006	1973	(20,696.84)
387x-Other Eq	Retirement	2012	2003	(11,911.14)
387x-Other Eq	Retirement	2020	2003	(39,626.51)
387x-Other Eq	Retirement	2018	2003	(61,487.60)
387x-Other Eq	Retirement	2003	2001	(156.63)
387x-Other Eq	Retirement	2009	2001	(536.54)
387x-Other Eq	Retirement	2008	2001	(2,315.22)
387x-Other Eq	Retirement	2003	1999	(6,663.63)
387x-Other Eq	Retirement	2006	2001	(50,657.34)
387x-Other Eq	Retirement	2020	2001	(55,876.62)
387x-Other Eq	Retirement	2006	1972	(3,040.53)
387x-Other Eq	Retirement	2002	1972	(3,721.90)
387x-Other Eq	Retirement	2007	1972	(4,311.68)
387x-Other Eq	Retirement	2019	2001	(111,487.60)
387x-Other Eq	Retirement	2003	1949	(535.56)
387x-Other Eq	Retirement	2008	1972	(10,510.01)
387x-Other Eq	Retirement	2008	1952	(72.23)
387x-Other Eq	Retirement	2008	1949	(894.33)
387x-Other Eq	Retirement	2003	1952	(91.80)
387x-Other Eq	Retirement	2004	1952	(422.44)
387x-Other Eq	Retirement	2002	1971	(2,743.00)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
387x-Other Eq	Retirement	2019	1971	(19,542.83)
387x-Other Eq	Retirement	2008	1971	(23,353.64)
387x-Other Eq	Retirement	2003	1971	(23,393.54)
387x-Other Eq	Retirement	2004	1971	(23,830.12)
387x-Other Eq	Retirement	2020	2010	(0.01)
387x-Other Eq	Retirement	2008	1970	(1,502.44)
387x-Other Eq	Retirement	2016	1970	(2,787.05)
387x-Other Eq	Retirement	2003	1970	(23,244.55)
387x-Other Eq	Retirement	2018	2009	(346,729.18)
387x-Other Eq	Retirement	2008	1948	(63.08)
387x-Other Eq	Retirement	2008	1969	(21,755.17)
387x-Other Eq	Retirement	2003	1948	(245.26)
387x-Other Eq	Retirement	2007	1939	(79.63)
387x-Other Eq	Retirement	2003	1998	(1,321.21)
387x-Other Eq	Retirement	2008	1998	(1,443.48)
387x-Other Eq	Retirement	2008	1939	(84.29)
387x-Other Eq	Retirement	2008	1962	(2,373.99)
387x-Other Eq	Retirement	2006	1962	(2,934.15)
387x-Other Eq	Retirement	2004	1995	(33,225.81)
387x-Other Eq	Retirement	2008	1995	(41,265.14)
387x-Other Eq	Retirement	2000	1995	(348,212.10)
387x-Other Eq	Retirement	1999	1995	(545,738.04)
387x-Other Eq	Retirement	2001	1994	(297,172.54)
387x-Other Eq	Retirement	2004	1998	(35,698.92)
387x-Other Eq	Retirement	2018	1998	(49,078.26)
390.10-GCT Leasehold Improv	Retirement	2020	2015	(24,841.14)
390.10-GCT Leasehold Improv	Retirement	2020	2012	(16,523.13)
390.10-GCT Leasehold Improv	Retirement	2018	2012	(32,394.50)
390.10-GCT Leasehold Improv	Retirement	2016	2011	(21,430.77)
390-Structures & Improvements	Retirement	2017	1997	(166,967.99)
390-Structures & Improvements	Retirement	2011	1997	(2,072,490.18)
390-Structures & Improvements	Retirement	2017	1996	(8,625.68)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
390-Structures & Improvements	Retirement	2013	1996	(120,912.55)
390-Structures & Improvements	Retirement	2011	1996	(149,068.56)
390-Structures & Improvements	Retirement	2006	1989	(2,172.99)
390-Structures & Improvements	Retirement	2009	1988	(72,454.66)
390-Structures & Improvements	Retirement	2013	1988	(92,314.73)
390-Structures & Improvements	Retirement	2016	1988	(271,153.66)
390-Structures & Improvements	Retirement	2011	1988	(339,123.12)
390-Structures & Improvements	Retirement	2007	1954	(3,237.55)
390-Structures & Improvements	Retirement	2011	1987	(24,482.92)
390-Structures & Improvements	Retirement	2019	1988	(1,078.51)
390-Structures & Improvements	Retirement	2008	1988	(805,997.10)
390-Structures & Improvements	Retirement	2007	1988	(992,833.49)
390-Structures & Improvements	Retirement	2017	1988	(1,495,190.15)
390-Structures & Improvements	Retirement	2011	1957	(1,046.28)
390-Structures & Improvements	Retirement	2002	1987	(145,603.91)
390-Structures & Improvements	Retirement	2017	1994	(433,905.61)
390-Structures & Improvements	Retirement	2004	1993	(49,067.72)
390-Structures & Improvements	Retirement	2011	1993	(92,364.46)
390-Structures & Improvements	Retirement	2006	1957	(4,535.04)
390-Structures & Improvements	Retirement	2013	1993	(193,243.24)
390-Structures & Improvements	Retirement	2012	1957	(14,956.89)
390-Structures & Improvements	Retirement	2004	1957	(15,608.05)
390-Structures & Improvements	Retirement	2009	1957	(16,037.09)
390-Structures & Improvements	Retirement	2013	1957	(20,077.22)
390-Structures & Improvements	Retirement	2014	1992	(5,378.33)
390-Structures & Improvements	Retirement	2017	1992	(15,711.91)
390-Structures & Improvements	Retirement	2002	1992	(23,303.35)
390-Structures & Improvements	Retirement	2003	1992	(35,432.75)
390-Structures & Improvements	Retirement	2000	1992	(46,287.24)
390-Structures & Improvements	Retirement	2004	1991	(1,841.40)
390-Structures & Improvements	Retirement	2006	1992	(108,991.31)
390-Structures & Improvements	Retirement	2004	1992	(116,864.83)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
390-Structures & Improvements	Retirement	2011	1992	(271,960.13)
390-Structures & Improvements	Retirement	2016	1992	(370,897.03)
390-Structures & Improvements	Retirement	2018	1992	(470,245.32)
390-Structures & Improvements	Retirement	2009	1992	(847,214.70)
390-Structures & Improvements	Retirement	2013	1960	(1,646.08)
390-Structures & Improvements	Retirement	2019	1957	(38,376.69)
390-Structures & Improvements	Retirement	2010	1957	(46,126.59)
390-Structures & Improvements	Retirement	2016	1957	(48,188.27)
390-Structures & Improvements	Retirement	2001	1957	(64,635.25)
390-Structures & Improvements	Retirement	2017	1957	(70,086.96)
390-Structures & Improvements	Retirement	2005	1957	(70,809.12)
390-Structures & Improvements	Retirement	2008	1957	(81,535.60)
390-Structures & Improvements	Retirement	2016	1991	(7,372.16)
390-Structures & Improvements	Retirement	2011	1991	(8,176.13)
390-Structures & Improvements	Retirement	2018	1957	(208,162.80)
390-Structures & Improvements	Retirement	2007	1957	(224,069.92)
390-Structures & Improvements	Retirement	2002	1991	(36,526.68)
390-Structures & Improvements	Retirement	2017	1991	(45,438.31)
390-Structures & Improvements	Retirement	2004	1953	(1,100.36)
390-Structures & Improvements	Retirement	2006	1953	(4,845.26)
390-Structures & Improvements	Retirement	2007	1953	(8,499.51)
390-Structures & Improvements	Retirement	2001	1990	(10,658.17)
390-Structures & Improvements	Retirement	2012	1990	(16,027.40)
390-Structures & Improvements	Retirement	2007	1990	(21,607.42)
390-Structures & Improvements	Retirement	2010	1990	(23,184.71)
390-Structures & Improvements	Retirement	2006	1990	(23,770.47)
390-Structures & Improvements	Retirement	2014	1990	(31,085.33)
390-Structures & Improvements	Retirement	2004	1990	(37,569.25)
390-Structures & Improvements	Retirement	2011	1990	(541,709.23)
390-Structures & Improvements	Retirement	2004	1989	(60,667.66)
390-Structures & Improvements	Retirement	2002	1988	(10,848.15)
390-Structures & Improvements	Retirement	2006	1956	(1,177.82)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
390-Structures & Improvements	Retirement	2003	1976	(12,806.00)
390-Structures & Improvements	Retirement	2011	1978	(12,355.56)
390-Structures & Improvements	Retirement	2007	1978	(17,701.28)
390-Structures & Improvements	Retirement	2007	1976	(47,484.10)
390-Structures & Improvements	Retirement	2011	1980	(8,988.41)
390-Structures & Improvements	Retirement	2007	1980	(1,732,757.58)
390-Structures & Improvements	Retirement	2011	1968	(3,885.01)
390-Structures & Improvements	Retirement	2003	1968	(4,237.50)
390-Structures & Improvements	Retirement	2007	1968	(12,962.34)
390-Structures & Improvements	Retirement	2007	1975	(4,903.37)
390-Structures & Improvements	Retirement	2017	1968	(49,640.00)
390-Structures & Improvements	Retirement	2007	1979	(5,158.77)
390-Structures & Improvements	Retirement	2012	1979	(6,375.73)
390-Structures & Improvements	Retirement	2011	1967	(4,578.25)
390-Structures & Improvements	Retirement	2007	1977	(86,659.40)
390-Structures & Improvements	Retirement	2006	1967	(12,147.53)
390-Structures & Improvements	Retirement	2007	1967	(102,027.39)
390-Structures & Improvements	Retirement	2007	1986	(85,383.07)
390-Structures & Improvements	Retirement	2007	1987	(589,400.29)
390-Structures & Improvements	Retirement	2006	1966	(1,899.71)
390-Structures & Improvements	Retirement	2015	1986	(5,852.20)
390-Structures & Improvements	Retirement	2010	1966	(3,140.38)
390-Structures & Improvements	Retirement	2020	1985	(1,562.93)
390-Structures & Improvements	Retirement	2011	1985	(3,935.17)
390-Structures & Improvements	Retirement	2006	1985	(4,738.08)
390-Structures & Improvements	Retirement	2007	1966	(18,111.67)
390-Structures & Improvements	Retirement	2007	1985	(28,911.85)
390-Structures & Improvements	Retirement	2019	1985	(40,661.16)
390-Structures & Improvements	Retirement	2006	1965	(1,497.43)
390-Structures & Improvements	Retirement	2020	2013	(4,921.34)
390-Structures & Improvements	Retirement	1999	1984	(22,898.78)
390-Structures & Improvements	Retirement	2004	1965	(6,059.38)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
390-Structures & Improvements	Retirement	2014	1984	(121,575.67)
390-Structures & Improvements	Retirement	2011	1984	(150,518.51)
390-Structures & Improvements	Retirement	2008	1965	(10,215.16)
390-Structures & Improvements	Retirement	2000	1944	(1,039.61)
390-Structures & Improvements	Retirement	2007	1984	(586,063.02)
390-Structures & Improvements	Retirement	2003	1965	(24,540.08)
390-Structures & Improvements	Retirement	2016	1965	(26,466.68)
390-Structures & Improvements	Retirement	2014	1965	(27,500.19)
390-Structures & Improvements	Retirement	2018	1965	(33,990.08)
390-Structures & Improvements	Retirement	2020	2015	(1,310,144.61)
390-Structures & Improvements	Retirement	2013	1965	(56,744.91)
390-Structures & Improvements	Retirement	2012	1965	(81,316.85)
390-Structures & Improvements	Retirement	2010	1965	(184,723.08)
390-Structures & Improvements	Retirement	2003	1983	(9,894.41)
390-Structures & Improvements	Retirement	2020	1983	(13,269.21)
390-Structures & Improvements	Retirement	2007	1965	(315,019.74)
390-Structures & Improvements	Retirement	2005	1944	(3,363.02)
390-Structures & Improvements	Retirement	2009	1983	(27,674.11)
390-Structures & Improvements	Retirement	2006	1983	(32,418.67)
390-Structures & Improvements	Retirement	2004	1983	(38,075.27)
390-Structures & Improvements	Retirement	2013	1983	(89,952.45)
390-Structures & Improvements	Retirement	2007	1983	(158,366.60)
390-Structures & Improvements	Retirement	2018	1982	(10,682.61)
390-Structures & Improvements	Retirement	2007	1982	(602,341.90)
390-Structures & Improvements	Retirement	2007	1956	(34,392.08)
390-Structures & Improvements	Retirement	2019	2004	(9,793.39)
390-Structures & Improvements	Retirement	2017	2004	(10,133.60)
390-Structures & Improvements	Retirement	2010	2004	(17,412.86)
390-Structures & Improvements	Retirement	2013	2004	(21,402.51)
390-Structures & Improvements	Retirement	2007	1981	(72,421.93)
390-Structures & Improvements	Retirement	2016	2004	(43,075.35)
390-Structures & Improvements	Retirement	2016	2000	(5,686.81)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
390-Structures & Improvements	Retirement	2017	2000	(16,982.38)
390-Structures & Improvements	Retirement	2014	2006	(20,819.77)
390-Structures & Improvements	Retirement	2011	1979	(50,842.02)
390-Structures & Improvements	Retirement	2007	2006	(55,117.34)
390-Structures & Improvements	Retirement	2016	2006	(64,333.95)
390-Structures & Improvements	Retirement	2020	2004	(79,146.88)
390-Structures & Improvements	Retirement	2003	1950	(2,037.66)
390-Structures & Improvements	Retirement	2017	2006	(184,117.27)
390-Structures & Improvements	Retirement	2012	2006	(483,781.10)
390-Structures & Improvements	Retirement	2013	2006	(625,482.63)
390-Structures & Improvements	Retirement	2011	2006	(1,326,383.66)
390-Structures & Improvements	Retirement	2020	2006	(2,831,790.97)
390-Structures & Improvements	Retirement	2004	1950	(4,958.75)
390-Structures & Improvements	Retirement	2011	2004	(369,015.67)
390-Structures & Improvements	Retirement	2003	2002	(95,458.92)
390-Structures & Improvements	Retirement	2011	2000	(358,038.21)
390-Structures & Improvements	Retirement	2017	1974	(8,692.17)
390-Structures & Improvements	Retirement	2009	1974	(13,514.87)
390-Structures & Improvements	Retirement	2011	1974	(25,464.35)
390-Structures & Improvements	Retirement	2006	1974	(37,329.02)
390-Structures & Improvements	Retirement	2004	2003	0.92
390-Structures & Improvements	Retirement	2004	1974	(119,961.14)
390-Structures & Improvements	Retirement	2007	1974	(154,863.23)
390-Structures & Improvements	Retirement	2009	2003	(1,124.48)
390-Structures & Improvements	Retirement	2004	1973	(6,993.42)
390-Structures & Improvements	Retirement	2011	1999	(130.52)
390-Structures & Improvements	Retirement	2007	1972	(7,058.27)
390-Structures & Improvements	Retirement	2016	2003	(17,586.76)
390-Structures & Improvements	Retirement	2020	2003	(34,353.32)
390-Structures & Improvements	Retirement	2007	1973	(51,833.31)
390-Structures & Improvements	Retirement	2004	2003	(65,984.58)
390-Structures & Improvements	Retirement	2016	1999	(25,760.88)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
390-Structures & Improvements	Retirement	2020	2005	(85,296.16)
390-Structures & Improvements	Retirement	2017	2005	(246,642.72)
390-Structures & Improvements	Retirement	2010	2003	(106,590.75)
390-Structures & Improvements	Retirement	2017	2003	(226,434.78)
390-Structures & Improvements	Retirement	2015	2003	(300,488.55)
390-Structures & Improvements	Retirement	2013	2003	(358,108.11)
390-Structures & Improvements	Retirement	2011	2003	(1,451,893.36)
390-Structures & Improvements	Retirement	2003	1949	(2,511.02)
390-Structures & Improvements	Retirement	2011	2001	(444,331.02)
390-Structures & Improvements	Retirement	2011	1971	(131.80)
390-Structures & Improvements	Retirement	2015	2012	(8,806.95)
390-Structures & Improvements	Retirement	2020	2012	(620,109.19)
390-Structures & Improvements	Retirement	2017	2012	(675,652.17)
390-Structures & Improvements	Retirement	2007	1971	(45,191.29)
390-Structures & Improvements	Retirement	2020	2010	(140,401.80)
390-Structures & Improvements	Retirement	2003	1969	(1,453.70)
390-Structures & Improvements	Retirement	2011	1970	(4,506.34)
390-Structures & Improvements	Retirement	2020	2009	(0.02)
390-Structures & Improvements	Retirement	2007	1970	(28,084.41)
390-Structures & Improvements	Retirement	2011	2009	(20,763.20)
390-Structures & Improvements	Retirement	2019	2009	(58,388.43)
390-Structures & Improvements	Retirement	2007	1969	(530.28)
390-Structures & Improvements	Retirement	2017	2008	(6,396.53)
390-Structures & Improvements	Retirement	2010	1969	(19,930.88)
390-Structures & Improvements	Retirement	2011	1969	(21,829.46)
390-Structures & Improvements	Retirement	2012	2007	(50,929.75)
390-Structures & Improvements	Retirement	2011	2007	(50,929.75)
390-Structures & Improvements	Retirement	2003	2002	0.23
390-Structures & Improvements	Retirement	2007	1955	(255.81)
390-Structures & Improvements	Retirement	2011	1998	(7,113.21)
390-Structures & Improvements	Retirement	2002	1995	1.77
390-Structures & Improvements	Retirement	2011	1995	(4,849.70)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
390-Structures & Improvements	Retirement	2002	1995	(7,409.68)
390-Structures & Improvements	Retirement	2018	1995	(111,413.17)
390-Structures & Improvements	Retirement	2003	1995	(141,419.23)
390-Structures & Improvements	Retirement	2017	1995	(375,566.30)
390-Structures & Improvements	Retirement	2019	1995	(614,916.64)
390-Structures & Improvements	Retirement	2018	1994	(63,340.87)
390-Structures & Improvements	Retirement	2011	1994	(285,883.85)
391.1-Office Furniture & Eq	Retirement	2012	1997	(8,184.96)
391.1-Office Furniture & Eq	Retirement	2012	1997	(9,697.66)
391.1-Office Furniture & Eq	Retirement	2012	1997	(16,851.58)
391.1-Office Furniture & Eq	Retirement	2012	1997	(17,400.90)
391.1-Office Furniture & Eq	Retirement	2012	1997	(17,928.14)
391.1-Office Furniture & Eq	Retirement	2012	1997	(18,332.08)
391.1-Office Furniture & Eq	Retirement	2007	1997	(113,860.57)
391.1-Office Furniture & Eq	Retirement	2012	1997	(298,634.80)
391.1-Office Furniture & Eq	Retirement	2011	1997	(347,553.27)
391.1-Office Furniture & Eq	Retirement	2006	1996	(1,189.36)
391.1-Office Furniture & Eq	Retirement	2008	1996	(2,444.13)
391.1-Office Furniture & Eq	Retirement	2011	1996	(33,930.13)
391.1-Office Furniture & Eq	Retirement	2007	1996	(62,078.76)
391.1-Office Furniture & Eq	Retirement	2010	1996	(193,738.02)
391.1-Office Furniture & Eq	Retirement	2001	1989	(1,148.63)
391.1-Office Furniture & Eq	Retirement	2005	1989	(4,572,074.57)
391.1-Office Furniture & Eq	Retirement	2000	1987	(17,315.80)
391.1-Office Furniture & Eq	Retirement	2001	1987	(18,882.48)
391.1-Office Furniture & Eq	Retirement	2003	1987	(19,216.00)
391.1-Office Furniture & Eq	Retirement	2000	1989	(8,658.95)
391.1-Office Furniture & Eq	Retirement	2007	1989	(23,857.15)
391.1-Office Furniture & Eq	Retirement	2007	1988	(956.80)
391.1-Office Furniture & Eq	Retirement	2005	1988	(3,919,320.13)
391.1-Office Furniture & Eq	Retirement	2008	1994	(1,335,605.63)
391.1-Office Furniture & Eq	Retirement	2006	1993	(2,235.36)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
391.1-Office Furniture & Eq	Retirement	2000	1993	(4,066.16)
391.1-Office Furniture & Eq	Retirement	2007	1993	(1,001,101.34)
391.1-Office Furniture & Eq	Retirement	2001	1992	(82.58)
391.1-Office Furniture & Eq	Retirement	2003	1992	(2,416.66)
391.1-Office Furniture & Eq	Retirement	2002	1992	(4,853.99)
391.1-Office Furniture & Eq	Retirement	2000	1992	(5,291.85)
391.1-Office Furniture & Eq	Retirement	2007	1992	(5,750.76)
391.1-Office Furniture & Eq	Retirement	2006	1992	(1,672,383.61)
391.1-Office Furniture & Eq	Retirement	2001	1991	(856.92)
391.1-Office Furniture & Eq	Retirement	2002	1991	(1,938.01)
391.1-Office Furniture & Eq	Retirement	2000	1991	(20,614.98)
391.1-Office Furniture & Eq	Retirement	2003	1991	(27,316.04)
391.1-Office Furniture & Eq	Retirement	2007	1991	(169,520.87)
391.1-Office Furniture & Eq	Retirement	2005	1991	(13,683,232.81)
391.1-Office Furniture & Eq	Retirement	2002	1990	(464.41)
391.1-Office Furniture & Eq	Retirement	2003	1990	(1,621.65)
391.1-Office Furniture & Eq	Retirement	2007	1990	(3,114.90)
391.1-Office Furniture & Eq	Retirement	2001	1990	(5,708.20)
391.1-Office Furniture & Eq	Retirement	2000	1990	(23,285.67)
391.1-Office Furniture & Eq	Retirement	2005	1990	(4,820,384.09)
391.1-Office Furniture & Eq	Retirement	2000	1988	(18,187.32)
391.1-Office Furniture & Eq	Retirement	2007	1987	(213.00)
391.1-Office Furniture & Eq	Retirement	2002	1987	(1,286.13)
391.1-Office Furniture & Eq	Retirement	1999	1980	(358,554.55)
391.1-Office Furniture & Eq	Retirement	2000	1986	(29,951.44)
391.1-Office Furniture & Eq	Retirement	2005	1987	(1,273,905.58)
391.1-Office Furniture & Eq	Retirement	2005	1986	(4,828,668.75)
391.1-Office Furniture & Eq	Retirement	2001	1986	(362.10)
391.1-Office Furniture & Eq	Retirement	2007	1986	(8,637.80)
391.1-Office Furniture & Eq	Retirement	2002	1986	(9,111.64)
391.1-Office Furniture & Eq	Retirement	2001	1985	(496.33)
391.1-Office Furniture & Eq	Retirement	2002	1985	(5,072.65)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
391.1-Office Furniture & Eq	Retirement	2003	1985	(8,610.78)
391.1-Office Furniture & Eq	Retirement	2000	1985	(13,513.24)
391.1-Office Furniture & Eq	Retirement	2007	1985	(16,431.49)
391.1-Office Furniture & Eq	Retirement	2004	1985	(3,393,400.20)
391.1-Office Furniture & Eq	Retirement	2000	1984	(930.43)
391.1-Office Furniture & Eq	Retirement	2001	1984	(2,070.97)
391.1-Office Furniture & Eq	Retirement	2002	1984	(6,742.29)
391.1-Office Furniture & Eq	Retirement	2003	1984	(1,818,209.54)
391.1-Office Furniture & Eq	Retirement	2001	1983	(303.53)
391.1-Office Furniture & Eq	Retirement	2000	1983	(1,328.48)
391.1-Office Furniture & Eq	Retirement	2002	1983	(2,799.72)
391.1-Office Furniture & Eq	Retirement	2003	1983	(1,850,577.04)
391.1-Office Furniture & Eq	Retirement	2000	1982	(1,295.64)
391.1-Office Furniture & Eq	Retirement	2001	1982	(1,116,735.70)
391.1-Office Furniture & Eq	Retirement	2018	2004	(588.20)
391.1-Office Furniture & Eq	Retirement	2018	2004	(4,616.44)
391.1-Office Furniture & Eq	Retirement	2018	2004	(4,776.86)
391.1-Office Furniture & Eq	Retirement	2018	2004	(6,696.81)
391.1-Office Furniture & Eq	Retirement	2018	2004	(6,696.81)
391.1-Office Furniture & Eq	Retirement	2016	2002	(0.01)
391.1-Office Furniture & Eq	Retirement	2016	2002	(58.46)
391.1-Office Furniture & Eq	Retirement	2016	2002	(440.03)
391.1-Office Furniture & Eq	Retirement	2016	2002	(739.02)
391.1-Office Furniture & Eq	Retirement	2016	2002	(1,169.60)
391.1-Office Furniture & Eq	Retirement	2016	2002	(1,169.86)
391.1-Office Furniture & Eq	Retirement	2016	2002	(1,183.50)
391.1-Office Furniture & Eq	Retirement	2016	2002	(1,371.15)
391.1-Office Furniture & Eq	Retirement	2016	2002	(1,371.15)
391.1-Office Furniture & Eq	Retirement	2016	2002	(1,966.29)
391.1-Office Furniture & Eq	Retirement	2016	2002	(2,318.10)
391.1-Office Furniture & Eq	Retirement	2018	2004	(13,393.62)
391.1-Office Furniture & Eq	Retirement	2018	2004	(13,393.62)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
391.1-Office Furniture & Eq	Retirement	2018	2004	(13,471.14)
391.1-Office Furniture & Eq	Retirement	2018	2004	(20,090.42)
391.1-Office Furniture & Eq	Retirement	2011	2004	(21,231.20)
391.1-Office Furniture & Eq	Retirement	2007	2004	(24,392.00)
391.1-Office Furniture & Eq	Retirement	2018	2004	(24,959.74)
391.1-Office Furniture & Eq	Retirement	2018	2004	(25,528.08)
391.1-Office Furniture & Eq	Retirement	2018	2004	(26,787.23)
391.1-Office Furniture & Eq	Retirement	2020	2006	(0.01)
391.1-Office Furniture & Eq	Retirement	2018	2004	(32,742.79)
391.1-Office Furniture & Eq	Retirement	2018	2004	(40,180.85)
391.1-Office Furniture & Eq	Retirement	2018	2004	(41,462.74)
391.1-Office Furniture & Eq	Retirement	2014	2000	(12,310.27)
391.1-Office Furniture & Eq	Retirement	2014	2000	(20,895.59)
391.1-Office Furniture & Eq	Retirement	2007	2000	(25,272.75)
391.1-Office Furniture & Eq	Retirement	2000	1981	(482,548.50)
391.1-Office Furniture & Eq	Retirement	2018	2004	(43,781.73)
391.1-Office Furniture & Eq	Retirement	2018	2004	(53,574.46)
391.1-Office Furniture & Eq	Retirement	2018	2004	(69,627.76)
391.1-Office Furniture & Eq	Retirement	2018	2004	(96,316.90)
391.1-Office Furniture & Eq	Retirement	2018	2004	(108,089.94)
391.1-Office Furniture & Eq	Retirement	2018	2004	(118,274.51)
391.1-Office Furniture & Eq	Retirement	2018	2004	(190,283.09)
391.1-Office Furniture & Eq	Retirement	2018	2004	(218,396.13)
391.1-Office Furniture & Eq	Retirement	2018	2004	(258,318.62)
391.1-Office Furniture & Eq	Retirement	2018	2004	(285,639.81)
391.1-Office Furniture & Eq	Retirement	2016	2002	(2,333.09)
391.1-Office Furniture & Eq	Retirement	2016	2002	(2,608.30)
391.1-Office Furniture & Eq	Retirement	2012	2002	(2,733.05)
391.1-Office Furniture & Eq	Retirement	2016	2002	(2,739.16)
391.1-Office Furniture & Eq	Retirement	2016	2002	(2,739.16)
391.1-Office Furniture & Eq	Retirement	2010	2002	(2,739.16)
391.1-Office Furniture & Eq	Retirement	2016	2002	(3,278.90)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
391.1-Office Furniture & Eq	Retirement	2016	2002	(4,358.87)
391.1-Office Furniture & Eq	Retirement	2016	2002	(5,267.84)
391.1-Office Furniture & Eq	Retirement	2016	2002	(6,420.31)
391.1-Office Furniture & Eq	Retirement	2016	2002	(6,940.67)
391.1-Office Furniture & Eq	Retirement	2016	2002	(8,015.99)
391.1-Office Furniture & Eq	Retirement	2016	2002	(9,951.49)
391.1-Office Furniture & Eq	Retirement	2016	2002	(16,714.13)
391.1-Office Furniture & Eq	Retirement	2012	2002	(21,705.13)
391.1-Office Furniture & Eq	Retirement	2016	2002	(22,838.02)
391.1-Office Furniture & Eq	Retirement	2014	2000	(30,589.90)
391.1-Office Furniture & Eq	Retirement	2020	2006	(186,656.79)
391.1-Office Furniture & Eq	Retirement	2020	2006	(249,702.55)
391.1-Office Furniture & Eq	Retirement	2020	2006	(869,304.24)
391.1-Office Furniture & Eq	Retirement	2020	2006	(3,121,374.50)
391.1-Office Furniture & Eq	Retirement	2018	2004	(459,461.42)
391.1-Office Furniture & Eq	Retirement	2003	2002	(32,713.55)
391.1-Office Furniture & Eq	Retirement	2016	2002	(37,587.58)
391.1-Office Furniture & Eq	Retirement	2011	2002	(44,543.73)
391.1-Office Furniture & Eq	Retirement	2016	2002	(89,201.27)
391.1-Office Furniture & Eq	Retirement	2011	2000	(304,094.02)
391.1-Office Furniture & Eq	Retirement	2014	2000	(540,456.56)
391.1-Office Furniture & Eq	Retirement	2007	2002	(380,872.87)
391.1-Office Furniture & Eq	Retirement	2017	2003	(0.01)
391.1-Office Furniture & Eq	Retirement	2017	2003	(594.72)
391.1-Office Furniture & Eq	Retirement	2006	2003	(1,199.38)
391.1-Office Furniture & Eq	Retirement	2017	2003	(1,313.96)
391.1-Office Furniture & Eq	Retirement	2017	2003	(1,763.45)
391.1-Office Furniture & Eq	Retirement	2017	2003	(2,400.92)
391.1-Office Furniture & Eq	Retirement	2017	2003	(2,882.87)
391.1-Office Furniture & Eq	Retirement	2012	2003	(3,833.57)
391.1-Office Furniture & Eq	Retirement	2010	2003	(4,147.18)
391.1-Office Furniture & Eq	Retirement	2017	2003	(7,645.19)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
391.1-Office Furniture & Eq	Retirement	2017	2003	(8,304.34)
391.1-Office Furniture & Eq	Retirement	2000	1999	(722.01)
391.1-Office Furniture & Eq	Retirement	2012	1999	(1,099.06)
391.1-Office Furniture & Eq	Retirement	2014	1999	(1,284.49)
391.1-Office Furniture & Eq	Retirement	2013	1999	(1,300.00)
391.1-Office Furniture & Eq	Retirement	2013	1999	(2,643.28)
391.1-Office Furniture & Eq	Retirement	2012	2005	(3,248.53)
391.1-Office Furniture & Eq	Retirement	2019	2005	(39,008.70)
391.1-Office Furniture & Eq	Retirement	2019	2005	(47,318.93)
391.1-Office Furniture & Eq	Retirement	2017	2003	(10,285.56)
391.1-Office Furniture & Eq	Retirement	2017	2003	(15,598.98)
391.1-Office Furniture & Eq	Retirement	2017	2003	(15,656.31)
391.1-Office Furniture & Eq	Retirement	2017	2003	(19,773.05)
391.1-Office Furniture & Eq	Retirement	2017	2003	(20,283.43)
391.1-Office Furniture & Eq	Retirement	2017	2003	(41,375.94)
391.1-Office Furniture & Eq	Retirement	2017	2003	(56,592.29)
391.1-Office Furniture & Eq	Retirement	2015	2001	(1.77)
391.1-Office Furniture & Eq	Retirement	2015	2001	(525.20)
391.1-Office Furniture & Eq	Retirement	2015	2001	(525.20)
391.1-Office Furniture & Eq	Retirement	2015	2001	(541.24)
391.1-Office Furniture & Eq	Retirement	2015	2001	(560.22)
391.1-Office Furniture & Eq	Retirement	2015	2001	(1,110.46)
391.1-Office Furniture & Eq	Retirement	2006	2001	(1,118.18)
391.1-Office Furniture & Eq	Retirement	2015	2001	(1,612.47)
391.1-Office Furniture & Eq	Retirement	2015	2001	(1,677.58)
391.1-Office Furniture & Eq	Retirement	2010	2001	(8,130.71)
391.1-Office Furniture & Eq	Retirement	2015	2001	(9,123.04)
391.1-Office Furniture & Eq	Retirement	2015	2001	(11,183.30)
391.1-Office Furniture & Eq	Retirement	2015	2001	(11,404.80)
391.1-Office Furniture & Eq	Retirement	2015	2001	(13,536.89)
391.1-Office Furniture & Eq	Retirement	2013	1999	(5,123.53)
391.1-Office Furniture & Eq	Retirement	2011	1999	(7,285.79)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
391.1-Office Furniture & Eq	Retirement	2017	2003	(123,725.62)
391.1-Office Furniture & Eq	Retirement	2011	2003	(124,962.99)
391.1-Office Furniture & Eq	Retirement	2017	2003	(202,644.88)
391.1-Office Furniture & Eq	Retirement	2007	2003	(392,532.98)
391.1-Office Furniture & Eq	Retirement	2015	2001	(17,693.00)
391.1-Office Furniture & Eq	Retirement	2003	2001	(21,662.68)
391.1-Office Furniture & Eq	Retirement	2011	2001	(25,762.16)
391.1-Office Furniture & Eq	Retirement	2015	2001	(35,766.34)
391.1-Office Furniture & Eq	Retirement	2015	2001	(38,175.44)
391.1-Office Furniture & Eq	Retirement	2015	2001	(57,034.28)
391.1-Office Furniture & Eq	Retirement	2007	2001	(65,335.66)
391.1-Office Furniture & Eq	Retirement	2007	1999	(72,593.54)
391.1-Office Furniture & Eq	Retirement	2013	1999	(161,701.88)
391.1-Office Furniture & Eq	Retirement	2011	2010	(1,422.10)
391.1-Office Furniture & Eq	Retirement	2011	2009	(46,215.96)
391.1-Office Furniture & Eq	Retirement	2020	2007	(3,019.98)
391.1-Office Furniture & Eq	Retirement	2012	1998	(638.70)
391.1-Office Furniture & Eq	Retirement	2012	1998	(871.64)
391.1-Office Furniture & Eq	Retirement	2000	1998	(974.24)
391.1-Office Furniture & Eq	Retirement	2001	1998	(1,538.35)
391.1-Office Furniture & Eq	Retirement	2012	1998	(1,759.18)
391.1-Office Furniture & Eq	Retirement	2007	1998	(4,432.78)
391.1-Office Furniture & Eq	Retirement	2012	1998	(5,316.57)
391.1-Office Furniture & Eq	Retirement	2012	1998	(5,368.19)
391.1-Office Furniture & Eq	Retirement	2012	1998	(6,498.73)
391.1-Office Furniture & Eq	Retirement	2012	1998	(7,089.16)
391.1-Office Furniture & Eq	Retirement	2012	1998	(11,393.19)
391.1-Office Furniture & Eq	Retirement	2012	1998	(11,765.48)
391.1-Office Furniture & Eq	Retirement	2012	1998	(14,754.13)
391.1-Office Furniture & Eq	Retirement	2012	1998	(16,448.60)
391.1-Office Furniture & Eq	Retirement	2012	1998	(20,343.67)
391.1-Office Furniture & Eq	Retirement	2012	1998	(25,337.23)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
391.1-Office Furniture & Eq	Retirement	2003	1995	(5,254.84)
391.1-Office Furniture & Eq	Retirement	2001	1994	(7,329.66)
391.1-Office Furniture & Eq	Retirement	2007	1995	(11,448.76)
391.1-Office Furniture & Eq	Retirement	2007	1994	(39,035.82)
391.1-Office Furniture & Eq	Retirement	2008	1995	(68,866.64)
391.1-Office Furniture & Eq	Retirement	2010	1995	(94,819.38)
391.1-Office Furniture & Eq	Retirement	2009	1995	(274,767.86)
391.1-Office Furniture & Eq	Retirement	2011	1998	(52,468.20)
391.1-Office Furniture & Eq	Retirement	2012	1997	(0.10)
391.1-Office Furniture & Eq	Retirement	2012	1997	(712.57)
391.1-Office Furniture & Eq	Retirement	2008	1997	(3,894.07)
391.2x-Computer Eq	Retirement	2002	1997	(2,177,305.82)
391.2x-Computer Eq	Retirement	2007	1997	(4,311,707.39)
391.2x-Computer Eq	Retirement	2003	1997	(5,513,538.10)
391.2x-Computer Eq	Retirement	2002	1996	(286,401.38)
391.2x-Computer Eq	Retirement	2007	1996	(477,179.12)
391.2x-Computer Eq	Retirement	2000	1995	(8,087,230.84)
391.2x-Computer Eq	Retirement	1999	1994	(7,474,314.47)
391.2x-Computer Eq	Retirement	1999	1992	(139,319.22)
391.2x-Computer Eq	Retirement	2019	2014	(40,186,689.99)
391.2x-Computer Eq	Retirement	2018	2013	(2,751,502.21)
391.2x-Computer Eq	Retirement	2018	2013	(15,089,515.77)
391.2x-Computer Eq	Retirement	2020	2015	(3,166,254.44)
391.2x-Computer Eq	Retirement	2020	2015	(23,859,995.84)
391.2x-Computer Eq	Retirement	2019	2014	(0.01)
391.2x-Computer Eq	Retirement	2012	2007	(17,628,763.49)
391.2x-Computer Eq	Retirement	2007	2004	(10,053.76)
391.2x-Computer Eq	Retirement	2009	2006	(109,688.26)
391.2x-Computer Eq	Retirement	2012	2006	(6,279,889.72)
391.2x-Computer Eq	Retirement	2011	2006	(8,329,217.47)
391.2x-Computer Eq	Retirement	2010	2004	(1,653,677.89)
391.2x-Computer Eq	Retirement	2009	2004	(5,951,405.94)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
391.2x-Computer Eq	Retirement	2003	2002	(72,580.03)
391.2x-Computer Eq	Retirement	2003	2000	(395,605.61)
391.2x-Computer Eq	Retirement	2007	2000	(2,649,974.13)
391.2x-Computer Eq	Retirement	2005	2000	(4,760,818.46)
391.2x-Computer Eq	Retirement	2006	2002	(474,522.39)
391.2x-Computer Eq	Retirement	2009	2002	(2,620,650.24)
391.2x-Computer Eq	Retirement	2007	2002	(6,812,770.21)
391.2x-Computer Eq	Retirement	2003	2001	(4,521.60)
391.2x-Computer Eq	Retirement	2008	2005	(960,399.82)
391.2x-Computer Eq	Retirement	2011	2005	(7,893,046.03)
391.2x-Computer Eq	Retirement	2010	2005	(18,293,181.19)
391.2x-Computer Eq	Retirement	2007	1999	(5,039,577.77)
391.2x-Computer Eq	Retirement	2004	1999	(8,248,954.75)
391.2x-Computer Eq	Retirement	2008	2003	(3,983,989.16)
391.2x-Computer Eq	Retirement	2007	2003	(4,013,640.55)
391.2x-Computer Eq	Retirement	2009	2003	(4,781,965.30)
391.2x-Computer Eq	Retirement	2005	2001	(2,535,537.56)
391.2x-Computer Eq	Retirement	2006	2001	(3,004,551.70)
391.2x-Computer Eq	Retirement	2007	2001	(3,333,757.10)
391.2x-Computer Eq	Retirement	2012	2012	(11,707.14)
391.2x-Computer Eq	Retirement	2017	2012	(16,129,778.91)
391.2x-Computer Eq	Retirement	2017	2012	(45,578,988.03)
391.2x-Computer Eq	Retirement	2016	2011	(13,460,849.50)
391.2x-Computer Eq	Retirement	2015	2010	2010 (28,656,805.02)
391.2x-Computer Eq	Retirement	2014	2009	2009 (28,125,807.55)
391.2x-Computer Eq	Retirement	2009	2008	(31,211.73)
391.2x-Computer Eq	Retirement	2011	2008	(69,140.29)
391.2x-Computer Eq	Retirement	2014	2008	2008 (1,732,866.02)
391.2x-Computer Eq	Retirement	2013	2008	(16,516,159.76)
391.2x-Computer Eq	Retirement	2001	1996	(15,082,024.27)
391.2x-Computer Eq	Retirement	1999	1994	125,955.68
391.2x-Computer Eq	Retirement	2007	1998	(728,199.70)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
391.2x-Computer Eq	Retirement	2003	1998	(5,316,077.44)
391.3-Software 3yr	Retirement	2002	1997	(1,412,173.36)
391.3-Software 3yr	Retirement	2002	1996	(475,087.74)
391.3-Software 3yr	Retirement	2000	1995	(1,269,041.88)
391.3-Software 3yr	Retirement	2011	1995	(1,350,887.24)
391.3-Software 3yr	Retirement	2019	2013	(1,104,561.60)
391.3-Software 3yr	Retirement	2019	2015	(11,619,818.94)
391.3-Software 3yr	Retirement	2011	2004	(1,324,429.22)
391.3-Software 3yr	Retirement	2005	2000	(1,162,765.78)
391.3-Software 3yr	Retirement	2011	2002	(548,720.15)
391.3-Software 3yr	Retirement	2008	2003	(185,877.35)
391.3-Software 3yr	Retirement	2011	2003	(995,815.88)
391.3-Software 3yr	Retirement	2019	2012	(1,804,894.14)
391.3-Software 3yr	Retirement	2019	2011	(213.98)
391.3-Software 3yr	Retirement	2011	2010	(0.02)
391.3-Software 3yr	Retirement	2013	2010	(649,675.19)
391.3-Software 3yr	Retirement	2019	2010	(1,172,591.11)
391.3-Software 3yr	Retirement	2012	2009	(536,107.23)
391.3-Software 3yr	Retirement	2012	2008	(2,065,663.92)
391.3-Software 3yr	Retirement	2002	1998	(3,378,059.79)
391.4-Software 6yr	Retirement	2008	1997	(127,610.25)
391.4-Software 6yr	Retirement	1999	1997	(370,830.48)
391.4-Software 6yr	Retirement	2011	1997	(1,136,786.30)
391.4-Software 6yr	Retirement	1999	1996	(819,542.83)
391.4-Software 6yr	Retirement	2011	1996	(1,276,357.50)
391.4-Software 6yr	Retirement	1999	1995	(2,555,573.67)
391.4-Software 6yr	Retirement	2002	1995	(2,693,349.30)
391.4-Software 6yr	Retirement	2011	1995	(5,229,898.53)
391.4-Software 6yr	Retirement	2013	2007	(1,655,472.94)
391.4-Software 6yr	Retirement	2014	2007	(2,294,322.65)
391.4-Software 6yr	Retirement	2011	2006	(0.02)
391.4-Software 6yr	Retirement	2012	2006	(2,554,932.71)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
391.4-Software 6yr	Retirement	2011	2004	(3,834,797.93)
391.4-Software 6yr	Retirement	2011	2000	(9,503,029.26)
391.4-Software 6yr	Retirement	2007	2002	(502,956.61)
391.4-Software 6yr	Retirement	2011	2002	(8,833,343.96)
391.4-Software 6yr	Retirement	2011	2005	(4,512,009.92)
391.4-Software 6yr	Retirement	2012	2005	(5,917,740.17)
391.4-Software 6yr	Retirement	2007	2003	(110,517.48)
391.4-Software 6yr	Retirement	2007	1999	(2,115,449.17)
391.4-Software 6yr	Retirement	2011	1999	(7,358,517.31)
391.4-Software 6yr	Retirement	2011	2003	(9,300,011.17)
391.4-Software 6yr	Retirement	2011	2001	(1,169,564.01)
391.4-Software 6yr	Retirement	2007	2001	(1,420,945.67)
391.4-Software 6yr	Retirement	2014	2008	(854,732.11)
391.4-Software 6yr	Retirement	2002	1996	(2,856,990.82)
391.4-Software 6yr	Retirement	2011	1998	(1,879,451.08)
391.4-Software 6yr	Retirement	2008	1998	(3,829,063.46)
391.5-Software 10yr	Retirement	2011	1997	(4,119,697.73)
391.5-Software 10yr	Retirement	2011	2004	(0.13)
391.5-Software 10yr	Retirement	2014	2004	(783,231.18)
391.5-Software 10yr	Retirement	2011	2000	(512,876.78)
391.5-Software 10yr	Retirement	2011	1999	(381.23)
391.5-Software 10yr	Retirement	2013	2003	(8,462,990.15)
391.5-Software 10yr	Retirement	2012	2001	(2,617,893.92)
391.5-Software 10yr	Retirement	2011	2010	(48.80)
391.5-Software 10yr	Retirement	2011	2008	(0.01)
391.5-Software 10yr	Retirement	2011	1996	(6,579,343.62)
392x-Transportation Eq	Retirement	2008	1994	(702,636.28)
392x-Transportation Eq	Retirement	2007	1999	(18,473.10)
392x-Transportation Eq	Retirement	2014	2005	(166,302.04)
392x-Transportation Eq	Retirement	2016	2011	(5,398.21)
392x-Transportation Eq	Retirement	2020	2011	(5,699.67)
392x-Transportation Eq	Retirement	2019	2011	(6,742.35)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
392x-Transportation Eqt	Retirement	2014	2011	(15,470.05)
392x-Transportation Eqt	Retirement	2011	2011	(24,744.05)
392x-Transportation Eqt	Retirement	2017	2011	(32,951.77)
392x-Transportation Eqt	Retirement	2012	2011	(45,532.16)
392x-Transportation Eqt	Retirement	2013	2011	(53,968.42)
392x-Transportation Eqt	Retirement	2018	2011	(68,328.56)
392x-Transportation Eqt	Retirement	2015	2011	(133,717.07)
392x-Transportation Eqt	Retirement	2008	1995	(815,577.22)
393-Stores Eqt	Retirement	2005	1989	(15,986.17)
393-Stores Eqt	Retirement	2009	1989	(51,229.74)
393-Stores Eqt	Retirement	2007	1987	(362,884.97)
393-Stores Eqt	Retirement	2010	1990	(3,884.08)
393-Stores Eqt	Retirement	2008	1988	(38,428.40)
393-Stores Eqt	Retirement	1999	1978	(19,418.59)
393-Stores Eqt	Retirement	2001	1980	(21,312.28)
393-Stores Eqt	Retirement	2000	1979	(2,440.95)
393-Stores Eqt	Retirement	2006	1986	(161,434.43)
393-Stores Eqt	Retirement	2005	1985	(56,301.84)
393-Stores Eqt	Retirement	2005	1984	(81,812.50)
393-Stores Eqt	Retirement	2004	1983	(129,315.30)
393-Stores Eqt	Retirement	2003	1982	(43,318.35)
393-Stores Eqt	Retirement	2002	1981	(208,267.02)
393-Stores Eqt	Retirement	2014	1994	1994 (12,801.89)
394.19-Portable Tools	Retirement	2007	1997	(8,146.99)
394.19-Portable Tools	Retirement	2011	1997	(28,965.56)
394.19-Portable Tools	Retirement	2002	1996	(1,914.28)
394.19-Portable Tools	Retirement	2011	1996	(13,508.12)
394.19-Portable Tools	Retirement	2019	1995	(1,405,003.93)
394.19-Portable Tools	Retirement	2011	1989	(378.71)
394.19-Portable Tools	Retirement	2000	1989	(987.16)
394.19-Portable Tools	Retirement	2013	1989	(1,101,916.25)
394.19-Portable Tools	Retirement	2007	1987	(10,568.45)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
394.19-Portable Tools	Retirement	2000	1988	(2,913.57)
394.19-Portable Tools	Retirement	2012	1988	(1,255,014.33)
394.19-Portable Tools	Retirement	2018	1994	(1,228,499.47)
394.19-Portable Tools	Retirement	2016	1993	(95,835.10)
394.19-Portable Tools	Retirement	2000	1993	(900.00)
394.19-Portable Tools	Retirement	2017	1993	(1,913,834.60)
394.19-Portable Tools	Retirement	2000	1992	(2,308.61)
394.19-Portable Tools	Retirement	2003	1992	(6,938.83)
394.19-Portable Tools	Retirement	2011	1992	(67,419.44)
394.19-Portable Tools	Retirement	2016	1992	(1,503,440.98)
394.19-Portable Tools	Retirement	2003	1991	(1,385.60)
394.19-Portable Tools	Retirement	2000	1991	(16,856.15)
394.19-Portable Tools	Retirement	2011	1991	(119,124.19)
394.19-Portable Tools	Retirement	2015	1991	1991 (1,700,377.10)
394.19-Portable Tools	Retirement	2000	1990	(1,559.07)
394.19-Portable Tools	Retirement	2011	1990	(28,179.34)
394.19-Portable Tools	Retirement	2011	1988	(6,855.32)
394.19-Portable Tools	Retirement	2014	1990	1990 (2,287,180.96)
394.19-Portable Tools	Retirement	2007	1981	(672,978.76)
394.19-Portable Tools	Retirement	2000	1980	(1,938.60)
394.19-Portable Tools	Retirement	2007	1980	(286,793.39)
394.19-Portable Tools	Retirement	2011	1987	(1,411,009.19)
394.19-Portable Tools	Retirement	2010	1986	(1,228,499.09)
394.19-Portable Tools	Retirement	2000	1986	(1,268.64)
394.19-Portable Tools	Retirement	2007	1986	(7,882.28)
394.19-Portable Tools	Retirement	2000	1985	(1,682.18)
394.19-Portable Tools	Retirement	2009	1985	(1,164,432.96)
394.19-Portable Tools	Retirement	2000	1984	(642.64)
394.19-Portable Tools	Retirement	2008	1984	(1,018,438.13)
394.19-Portable Tools	Retirement	2007	1983	(1,217,320.84)
394.19-Portable Tools	Retirement	2007	1982	(629,887.12)
394.19-Portable Tools	Retirement	2001	2000	(1.25)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
394.19-Portable Tools	Retirement	2020	2004	(13,387.10)
394.19-Portable Tools	Retirement	2020	2000	(2,549.79)
394.19-Portable Tools	Retirement	2014	2006	(10,637.80)
394.19-Portable Tools	Retirement	2011	2004	(168,890.80)
394.19-Portable Tools	Retirement	2007	1979	(379,271.58)
394.19-Portable Tools	Retirement	2020	2002	(17,479.01)
394.19-Portable Tools	Retirement	2011	2000	(64,170.22)
394.19-Portable Tools	Retirement	2009	2002	(44,550.77)
394.19-Portable Tools	Retirement	2011	2005	(9,668.83)
394.19-Portable Tools	Retirement	2011	2003	(22,169.20)
394.19-Portable Tools	Retirement	2017	2001	(936.21)
394.19-Portable Tools	Retirement	2007	2001	(1,994.79)
394.19-Portable Tools	Retirement	2011	2001	(7,118.30)
394.19-Portable Tools	Retirement	2011	1999	(13,496.43)
394.19-Portable Tools	Retirement	2020	2009	(162,295.08)
394.19-Portable Tools	Retirement	2002	1998	(6,593.79)
394.19-Portable Tools	Retirement	2020	1996	(1,352,369.09)
394.19-Portable Tools	Retirement	2002	1995	(1,282.49)
394.19-Portable Tools	Retirement	2011	1994	(655.92)
394.19-Portable Tools	Retirement	2011	1995	(13,611.76)
394.19-Portable Tools	Retirement	2016	1995	(21,705.13)
394.19-Portable Tools	Retirement	2016	1994	(129,499.42)
394.19-Portable Tools	Retirement	2011	1998	(39,803.69)
394.19-Portable Tools	Retirement	2002	1997	(532.21)
394x- Shop & Garage Eqt	Retirement	2011	1996	(2,824.08)
394x- Shop & Garage Eqt	Retirement	2005	1988	(69,298.43)
394x- Shop & Garage Eqt	Retirement	2017	1988	(406,600.90)
394x- Shop & Garage Eqt	Retirement	2006	1987	(84,103.43)
394x- Shop & Garage Eqt	Retirement	2016	1987	(405,695.29)
394x- Shop & Garage Eqt	Retirement	2017	1993	(8,109.70)
394x- Shop & Garage Eqt	Retirement	2020	1991	(1,093,036.88)
394x- Shop & Garage Eqt	Retirement	2019	1990	(1,005,685.56)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
394x- Shop & Garage Eqt	Retirement	2018	1989	(69,078.80)
394x- Shop & Garage Eqt	Retirement	2010	1981	(672,036.87)
394x- Shop & Garage Eqt	Retirement	2003	1976	(5,258.77)
394x- Shop & Garage Eqt	Retirement	2007	1978	(40,670.79)
394x- Shop & Garage Eqt	Retirement	2009	1980	(102,085.94)
394x- Shop & Garage Eqt	Retirement	2004	1977	(36,770.28)
394x- Shop & Garage Eqt	Retirement	2008	1979	(14,297.98)
394x- Shop & Garage Eqt	Retirement	2006	1979	(44,126.01)
394x- Shop & Garage Eqt	Retirement	2002	1975	(170,831.29)
394x- Shop & Garage Eqt	Retirement	2015	1986	1986 (988,880.26)
394x- Shop & Garage Eqt	Retirement	2006	1986	(6,558.88)
394x- Shop & Garage Eqt	Retirement	2004	1985	(12,590.06)
394x- Shop & Garage Eqt	Retirement	2014	1985	1985 (1,353,047.87)
394x- Shop & Garage Eqt	Retirement	2013	1984	(591,517.11)
394x- Shop & Garage Eqt	Retirement	2012	1983	(233,985.31)
394x- Shop & Garage Eqt	Retirement	2006	1982	(2,248.40)
394x- Shop & Garage Eqt	Retirement	2011	1982	(111,855.69)
394x- Shop & Garage Eqt	Retirement	2006	1981	(20,282.14)
394x- Shop & Garage Eqt	Retirement	2001	1974	(23,438.33)
394x- Shop & Garage Eqt	Retirement	2011	2003	(1,860.32)
394x- Shop & Garage Eqt	Retirement	2000	1973	(12,154.52)
394x- Shop & Garage Eqt	Retirement	2011	2001	(21,855.66)
394x- Shop & Garage Eqt	Retirement	1999	1972	(14,245.27)
394x- Shop & Garage Eqt	Retirement	2000	1998	(1,826.90)
394x- Shop & Garage Eqt	Retirement	1999	1998	(2,451.83)
395-Laboratory Eqt	Retirement	2014	1989	1989 (416,765.87)
395-Laboratory Eqt	Retirement	2013	1988	(583,795.62)
395-Laboratory Eqt	Retirement	2012	1987	(222,111.50)
395-Laboratory Eqt	Retirement	2019	1994	(354,437.49)
395-Laboratory Eqt	Retirement	2011	1993	(12,858.28)
395-Laboratory Eqt	Retirement	2018	1993	(222,130.05)
395-Laboratory Eqt	Retirement	2011	1992	29,177.78

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
395-Laboratory Eq	Retirement	2011	1992	(61,197.81)
395-Laboratory Eq	Retirement	2017	1992	(1,052,546.18)
395-Laboratory Eq	Retirement	2000	1991	(5,916.28)
395-Laboratory Eq	Retirement	2016	1991	(764,246.37)
395-Laboratory Eq	Retirement	2015	1990	1990 (285,108.21)
395-Laboratory Eq	Retirement	1999	1976	(123,263.40)
395-Laboratory Eq	Retirement	2003	1980	(65,088.61)
395-Laboratory Eq	Retirement	2001	1978	(49,883.79)
395-Laboratory Eq	Retirement	2000	1977	(80,830.70)
395-Laboratory Eq	Retirement	2011	1986	(390,356.08)
395-Laboratory Eq	Retirement	2010	1985	(476,572.69)
395-Laboratory Eq	Retirement	2009	1984	(235,065.36)
395-Laboratory Eq	Retirement	2008	1983	(298,524.64)
395-Laboratory Eq	Retirement	2007	1982	(97,664.73)
395-Laboratory Eq	Retirement	2004	1981	(106,258.97)
395-Laboratory Eq	Retirement	2011	2000	(5,028.78)
395-Laboratory Eq	Retirement	2002	1979	(74,372.64)
395-Laboratory Eq	Retirement	2003	2002	(30,691.34)
395-Laboratory Eq	Retirement	2003	2001	(62,866.71)
395-Laboratory Eq	Retirement	2011	1994	(5,413.01)
395-Laboratory Eq	Retirement	2011	1995	(15,138.91)
395-Laboratory Eq	Retirement	2020	1995	(129,372.68)
396-Power Operated Eq	Retirement	2010	1997	(16,492.63)
396-Power Operated Eq	Retirement	2012	2000	(3,866.26)
396-Power Operated Eq	Retirement	2011	1999	(1,721.77)
396-Power Operated Eq	Retirement	2013	2001	(943.93)
396-Power Operated Eq	Retirement	2011	1998	(17,736.59)
396-Power Operated Eq	Retirement	2007	1994	(810.05)
396-Power Operated Eq	Retirement	2010	1998	(53,746.17)
397.1-General Network Eq	Retirement	1999	1997	(10,232.45)
397.1-General Network Eq	Retirement	2007	1997	(3,362,726.53)
397.1-General Network Eq	Retirement	2002	1997	(4,245,366.81)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
397.1-General Network Eq	Retirement	2000	1995	(2,395,838.56)
397.1-General Network Eq	Retirement	2019	2014	(5,671,771.85)
397.1-General Network Eq	Retirement	2018	2013	(8,172,697.20)
397.1-General Network Eq	Retirement	2020	2015	(11,500,096.05)
397.1-General Network Eq	Retirement	2012	2007	(2,447,027.03)
397.1-General Network Eq	Retirement	2008	2004	(10,980.09)
397.1-General Network Eq	Retirement	2012	2006	(93,954.41)
397.1-General Network Eq	Retirement	2010	2004	(316,039.55)
397.1-General Network Eq	Retirement	2004	2000	(82,717.24)
397.1-General Network Eq	Retirement	2011	2006	(410,452.06)
397.1-General Network Eq	Retirement	2009	2004	(1,175,144.92)
397.1-General Network Eq	Retirement	2007	2002	(183,162.53)
397.1-General Network Eq	Retirement	2005	2000	(1,745,494.51)
397.1-General Network Eq	Retirement	2004	2003	(58,235.42)
397.1-General Network Eq	Retirement	2011	2005	(550,149.42)
397.1-General Network Eq	Retirement	2010	2005	(674,571.63)
397.1-General Network Eq	Retirement	2008	2003	(139,721.11)
397.1-General Network Eq	Retirement	2009	2003	(248,832.09)
397.1-General Network Eq	Retirement	2005	2001	(38,192.09)
397.1-General Network Eq	Retirement	2007	1999	(1,093,714.81)
397.1-General Network Eq	Retirement	2004	1999	(1,185,734.17)
397.1-General Network Eq	Retirement	2007	2003	(7,211,080.13)
397.1-General Network Eq	Retirement	2007	2001	(1,248,580.86)
397.1-General Network Eq	Retirement	2006	2001	(4,101,642.51)
397.1-General Network Eq	Retirement	2017	2012	(3,408,482.68)
397.1-General Network Eq	Retirement	2016	2011	(30,348,000.44)
397.1-General Network Eq	Retirement	2015	2010	2010 (30,298,400.50)
397.1-General Network Eq	Retirement	2014	2009	2009 (2,617,942.28)
397.1-General Network Eq	Retirement	2013	2008	(830,623.03)
397.1-General Network Eq	Retirement	2014	2008	2008 (2,155,506.01)
397.1-General Network Eq	Retirement	2011	2007	(301.64)
397.1-General Network Eq	Retirement	1999	1998	(7,807.58)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
397.1-General Network Eq	Retirement	2003	1998	(3,138,175.46)
397.1-General Network Eq	Retirement	2007	1998	(428,752.29)
397.2-Voice Eq	Retirement	2004	1997	(188,583.25)
397.2-Voice Eq	Retirement	2007	1997	(657,948.09)
397.2-Voice Eq	Retirement	2002	1995	(2,544,001.45)
397.2-Voice Eq	Retirement	2020	2013	(358,172.84)
397.2-Voice Eq	Retirement	2014	2007	2007 (276,284.60)
397.2-Voice Eq	Retirement	2011	2004	(151,372.84)
397.2-Voice Eq	Retirement	2013	2006	(547,552.60)
397.2-Voice Eq	Retirement	2007	2000	(773,057.17)
397.2-Voice Eq	Retirement	2010	2002	(354,431.75)
397.2-Voice Eq	Retirement	2012	2005	(204,870.17)
397.2-Voice Eq	Retirement	2005	1999	(109,988.14)
397.2-Voice Eq	Retirement	2007	1999	(507,976.68)
397.2-Voice Eq	Retirement	2010	2003	(3,219,170.65)
397.2-Voice Eq	Retirement	2009	2001	(647,477.45)
397.2-Voice Eq	Retirement	2018	2011	(69,935.37)
397.2-Voice Eq	Retirement	2017	2010	(138,211.99)
397.2-Voice Eq	Retirement	2016	2009	(173,406.65)
397.2-Voice Eq	Retirement	2015	2008	2008 (382,878.56)
397.2-Voice Eq	Retirement	2005	1998	(25,712.38)
397.2-Voice Eq	Retirement	1999	1995	(7,662.80)
397.2-Voice Eq	Retirement	2007	1998	(837,612.47)
397.2-Voice Eq	Retirement	1999	1997	(5,280.92)
397.3-Microwave & Radio Eq	Retirement	2006	1997	(1,015,690.67)
397.3-Microwave & Radio Eq	Retirement	2007	1997	(1,645,502.72)
397.3-Microwave & Radio Eq	Retirement	2007	1996	(12,446.08)
397.3-Microwave & Radio Eq	Retirement	2006	1996	(17,232.96)
397.3-Microwave & Radio Eq	Retirement	2005	1996	(234,133.33)
397.3-Microwave & Radio Eq	Retirement	2017	2007	(1,920,056.72)
397.3-Microwave & Radio Eq	Retirement	2016	2006	(41,575.38)
397.3-Microwave & Radio Eq	Retirement	2008	2000	(106,711.09)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_yea	amount
397.3-Microwave & Radio Eq	Retirement	2014	2004	2004	(1,272,036.44)
397.3-Microwave & Radio Eq	Retirement	2012	2002		(133,898.30)
397.3-Microwave & Radio Eq	Retirement	2011	2000		(503,692.87)
397.3-Microwave & Radio Eq	Retirement	2012	2005		(16,710.54)
397.3-Microwave & Radio Eq	Retirement	2014	2003	2003	(16,378.07)
397.3-Microwave & Radio Eq	Retirement	2015	2005	2005	(975,003.14)
397.3-Microwave & Radio Eq	Retirement	2009	1999		(1,218,593.62)
397.3-Microwave & Radio Eq	Retirement	2013	2003		(1,399,771.37)
397.3-Microwave & Radio Eq	Retirement	2012	2001		(531,240.28)
397.3-Microwave & Radio Eq	Retirement	2011	2001		(1,412,772.46)
397.3-Microwave & Radio Eq	Retirement	2020	2010		(97,924.09)
397.3-Microwave & Radio Eq	Retirement	2019	2009		(335,942.63)
397.3-Microwave & Radio Eq	Retirement	2018	2008		(181,233.84)
397.3-Microwave & Radio Eq	Retirement	2010	2000	2008	33,006.67
397.3-Microwave & Radio Eq	Retirement	2005	1995		(11,138.72)
397.3-Microwave & Radio Eq	Retirement	2007	1998		(570,727.78)
397.3-Microwave & Radio Eq	Retirement	2008	1998		(4,518,961.08)
397.4-Communication Structure	Retirement	2020	2013		(6.30)
397.4-Communication Structure	Retirement	2006	2004		(60,798.95)
397.4-Communication Structure	Retirement	2019	2004		(235,647.01)
397.4-Communication Structure	Retirement	2017	2002		(20,818.28)
397.4-Communication Structure	Retirement	2016	2001		(12,221.99)
397.4-Communication Structure	Retirement	2003	2001		(13,026.18)
397.4-Communication Structure	Retirement	2018	2003		(156,856.84)
397.4-Communication Structure	Retirement	2014	1999	1999	(204,012.31)
397.4-Communication Structure	Retirement	2020	2012		(8,146.53)
397.4-Communication Structure	Retirement	2014	1998	1998	(73,339.61)
397x-Communication Eq	Retirement	2011	1997		(37,196.00)
397x-Communication Eq	Retirement	2012	1997		(332,867.16)
397x-Communication Eq	Retirement	1999	1996		(3,533.59)
397x-Communication Eq	Retirement	2012	1996		(112,669.41)
397x-Communication Eq	Retirement	2001	1996		(124,533.46)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
397x-Communication Eq	Retirement	2011	1996	(802,576.09)
397x-Communication Eq	Retirement	2006	1995	(1,619,505.57)
397x-Communication Eq	Retirement	2005	1995	(3,950,689.77)
397x-Communication Eq	Retirement	2010	1995	(4,846,931.85)
397x-Communication Eq	Retirement	2011	1995	(7,244,479.15)
397x-Communication Eq	Retirement	2001	1989	(3,914.38)
397x-Communication Eq	Retirement	1999	1989	(244,949.61)
397x-Communication Eq	Retirement	2007	1989	(869,422.68)
397x-Communication Eq	Retirement	2005	1989	(2,064,534.84)
397x-Communication Eq	Retirement	2006	1989	(3,339,736.08)
397x-Communication Eq	Retirement	2004	1988	(405,730.58)
397x-Communication Eq	Retirement	1999	1987	(37,116.03)
397x-Communication Eq	Retirement	2004	1989	(40,164.44)
397x-Communication Eq	Retirement	2002	1988	(4,432.85)
397x-Communication Eq	Retirement	2005	1988	(987,939.75)
397x-Communication Eq	Retirement	2007	1988	(2,072,500.18)
397x-Communication Eq	Retirement	2006	1988	(4,340,656.91)
397x-Communication Eq	Retirement	2004	1987	(430,715.74)
397x-Communication Eq	Retirement	2005	1994	(1,571,161.73)
397x-Communication Eq	Retirement	2006	1994	(2,824,357.22)
397x-Communication Eq	Retirement	2009	1994	(11,342,040.76)
397x-Communication Eq	Retirement	1999	1993	(1,687.61)
397x-Communication Eq	Retirement	2007	1993	(18,317.64)
397x-Communication Eq	Retirement	2006	1993	(72,035.05)
397x-Communication Eq	Retirement	2004	1993	(166,103.62)
397x-Communication Eq	Retirement	2008	1993	(7,716,688.25)
397x-Communication Eq	Retirement	1999	1992	(121,736.37)
397x-Communication Eq	Retirement	2007	1992	(3,682,714.90)
397x-Communication Eq	Retirement	2004	1991	(20,516.19)
397x-Communication Eq	Retirement	2005	1991	(115,938.05)
397x-Communication Eq	Retirement	1999	1991	(136,265.87)
397x-Communication Eq	Retirement	2007	1991	(2,844,657.86)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
397x-Communication Eq	Retirement	2006	1991	(2,923,473.99)
397x-Communication Eq	Retirement	2004	1990	(2,946.28)
397x-Communication Eq	Retirement	2001	1990	(6,300.64)
397x-Communication Eq	Retirement	2002	1990	(88,208.96)
397x-Communication Eq	Retirement	2006	1990	(466,819.71)
397x-Communication Eq	Retirement	1999	1990	(640,128.82)
397x-Communication Eq	Retirement	2007	1990	(657,521.17)
397x-Communication Eq	Retirement	2005	1990	(3,259,150.45)
397x-Communication Eq	Retirement	1999	1988	(40,525.30)
397x-Communication Eq	Retirement	2003	1986	(263,119.28)
397x-Communication Eq	Retirement	1999	1986	(106.49)
397x-Communication Eq	Retirement	1999	1985	(156,004.57)
397x-Communication Eq	Retirement	2002	1985	(851,656.92)
397x-Communication Eq	Retirement	1999	1984	(4,296.20)
397x-Communication Eq	Retirement	2001	1984	(151,898.10)
397x-Communication Eq	Retirement	2020	2018	(492,019.81)
397x-Communication Eq	Retirement	2000	1983	(1,270.90)
397x-Communication Eq	Retirement	2008	2000	(16,518.68)
397x-Communication Eq	Retirement	2007	2000	(17,272.58)
397x-Communication Eq	Retirement	2010	2006	(21,521.16)
397x-Communication Eq	Retirement	2011	2006	(48,786.41)
397x-Communication Eq	Retirement	2019	2004	(254,609.77)
397x-Communication Eq	Retirement	2011	2004	(321,345.62)
397x-Communication Eq	Retirement	2011	2002	(34,883.07)
397x-Communication Eq	Retirement	2011	2000	(145,440.94)
397x-Communication Eq	Retirement	2015	2000	2000 (182,832.59)
397x-Communication Eq	Retirement	2017	2002	(497,972.75)
397x-Communication Eq	Retirement	2011	1999	(6,258.71)
397x-Communication Eq	Retirement	2011	2005	(122,213.23)
397x-Communication Eq	Retirement	2020	2005	(2,039,489.56)
397x-Communication Eq	Retirement	2018	2003	(222,928.31)
397x-Communication Eq	Retirement	2011	2003	(237,818.47)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
397x-Communication Eq	Retirement	2016	2001	(33,211.11)
397x-Communication Eq	Retirement	2011	2001	(38,242.77)
397x-Communication Eq	Retirement	2014	1999	1999 (94,386.24)
397x-Communication Eq	Retirement	2016	2009	(17,897.85)
397x-Communication Eq	Retirement	2020	2009	(25,492.07)
397x-Communication Eq	Retirement	2019	2009	(65,749.14)
397x-Communication Eq	Retirement	2011	1998	(2,735.17)
397x-Communication Eq	Retirement	2012	1998	(20,439.62)
397x-Communication Eq	Retirement	2006	1996	(1,428,926.46)
397x-Communication Eq	Retirement	2010	1995	1,565.38
397x-Communication Eq	Retirement	2001	1994	(303.05)
397x-Communication Eq	Retirement	2003	1994	(1,946.62)
397x-Communication Eq	Retirement	1999	1994	(6,433.85)
397x-Communication Eq	Retirement	2004	1995	(14,769.49)
397x-Communication Eq	Retirement	2008	1994	(16,866.67)
397x-Communication Eq	Retirement	2008	1995	(66,066.10)
397x-Communication Eq	Retirement	1999	1995	(117,742.92)
397x-Communication Eq	Retirement	2014	1998	1998 (132,585.00)
397x-Communication Eq	Retirement	2013	1998	(163,527.37)
398-Miscellaneous Eq	Retirement	2007	1997	(17,748.70)
398-Miscellaneous Eq	Retirement	2017	1997	(20,599.51)
398-Miscellaneous Eq	Retirement	2011	1997	(41,236.38)
398-Miscellaneous Eq	Retirement	2010	1996	(2,742.62)
398-Miscellaneous Eq	Retirement	2016	1996	(18,003.45)
398-Miscellaneous Eq	Retirement	2001	1994	(1,112,486.76)
398-Miscellaneous Eq	Retirement	2002	1994	(2,225,307.28)
398-Miscellaneous Eq	Retirement	2013	1993	(24,721.52)
398-Miscellaneous Eq	Retirement	2001	1993	(2,966,413.13)
398-Miscellaneous Eq	Retirement	2010	1992	(452.03)
398-Miscellaneous Eq	Retirement	1999	1992	(848.83)
398-Miscellaneous Eq	Retirement	2004	1992	(851.86)
398-Miscellaneous Eq	Retirement	2000	1992	(1,300.86)

Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_amount
398-Miscellaneous Eq	Retirement	2012	1992	(46,823.46)
398-Miscellaneous Eq	Retirement	2005	1992	(330,871.48)
398-Miscellaneous Eq	Retirement	2002	1992	(330,871.50)
398-Miscellaneous Eq	Retirement	2011	1991	(102,998.93)
398-Miscellaneous Eq	Retirement	2005	1990	(9,518.93)
398-Miscellaneous Eq	Retirement	2010	1990	(14,112.08)
398-Miscellaneous Eq	Retirement	2009	1989	(68,917.24)
398-Miscellaneous Eq	Retirement	2009	1988	(17,330.16)
398-Miscellaneous Eq	Retirement	2008	1987	(4,854.00)
398-Miscellaneous Eq	Retirement	2002	1977	(498.20)
398-Miscellaneous Eq	Retirement	2000	1975	(19,342.98)
398-Miscellaneous Eq	Retirement	2008	1986	(24,929.60)
398-Miscellaneous Eq	Retirement	2003	1986	(1,670.67)
398-Miscellaneous Eq	Retirement	2005	1986	(9,070.52)
398-Miscellaneous Eq	Retirement	2008	1985	(22,441.13)
398-Miscellaneous Eq	Retirement	2008	1984	(1,308.05)
398-Miscellaneous Eq	Retirement	2008	1983	(58,659.65)
398-Miscellaneous Eq	Retirement	2008	1982	(39,963.83)
398-Miscellaneous Eq	Retirement	2019	2004	(3,658.74)
398-Miscellaneous Eq	Retirement	2011	2000	(76.38)
398-Miscellaneous Eq	Retirement	2008	1981	(5,191.44)
398-Miscellaneous Eq	Retirement	2017	2000	(5,751.95)
398-Miscellaneous Eq	Retirement	2011	2006	(38,775.86)
398-Miscellaneous Eq	Retirement	2011	2004	(49,633.18)
398-Miscellaneous Eq	Retirement	2019	2002	(4,314.75)
398-Miscellaneous Eq	Retirement	2011	2002	(16,858.98)
398-Miscellaneous Eq	Retirement	2002	2000	(208,284.21)
398-Miscellaneous Eq	Retirement	2020	2000	(1,891,766.69)
398-Miscellaneous Eq	Retirement	2019	2003	(2,533.66)
398-Miscellaneous Eq	Retirement	2005	2003	(52,671.37)
398-Miscellaneous Eq	Retirement	2019	1999	(19,761.01)
398-Miscellaneous Eq	Retirement	2011	2003	(86,775.43)

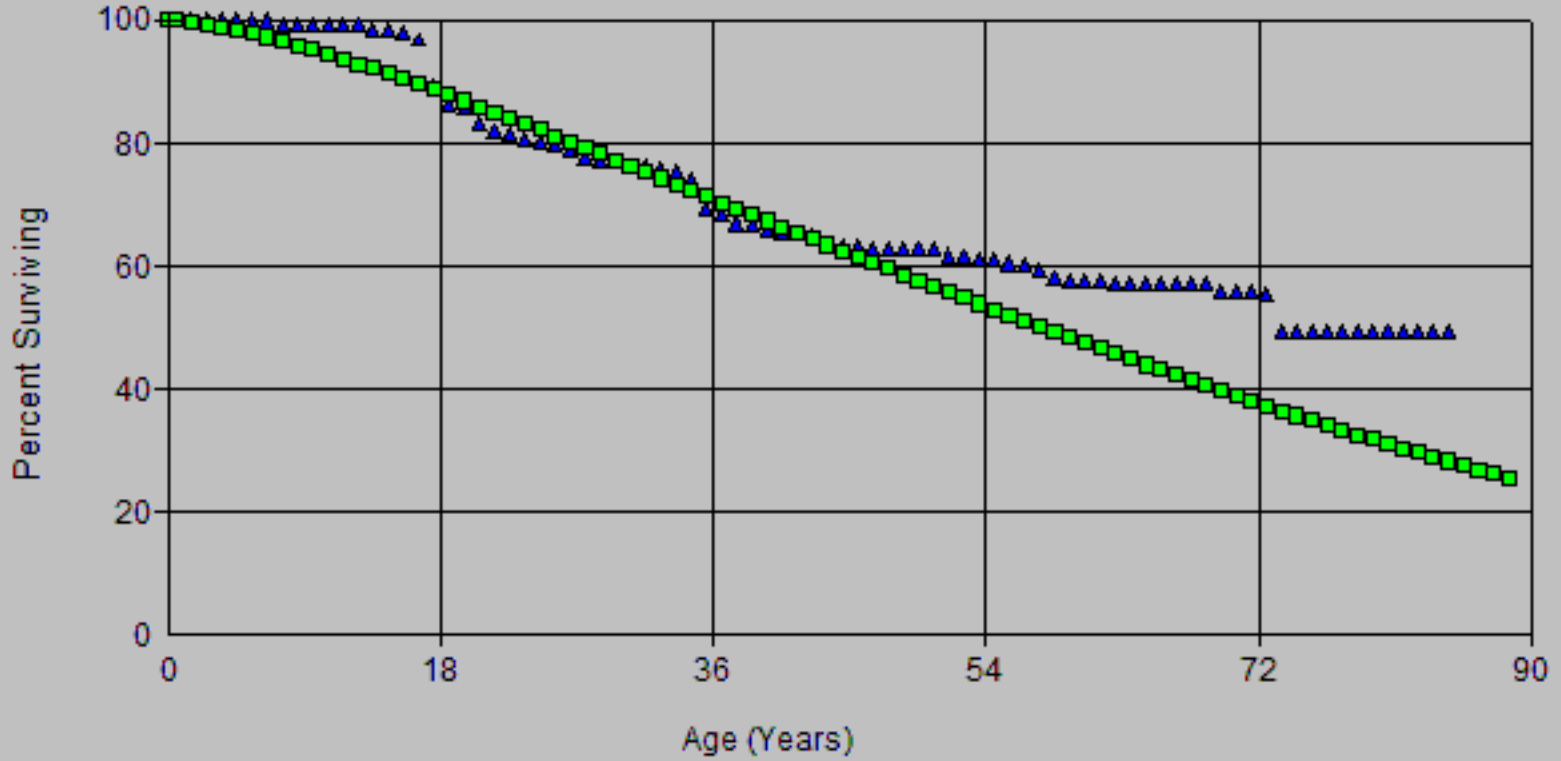
Actuarial Data Base

hist_acct	tran_code	activity_yea	vintage	adjustment_ amount
398-Miscellaneous Eq	Retirement	2011	2007	(302.69)
398-Miscellaneous Eq	Retirement	2004	1998	(732.65)
398-Miscellaneous Eq	Retirement	2011	1998	(3,627.47)
398-Miscellaneous Eq	Retirement	2018	1998	(21,691.71)
398-Miscellaneous Eq	Retirement	2010	1995	(9,880.00)
398-Miscellaneous Eq	Retirement	2015	1995	1995 (240,203.85)
398-Miscellaneous Eq	Retirement	2014	1994	1994 (198,804.94)

Actuarial Analysis Results

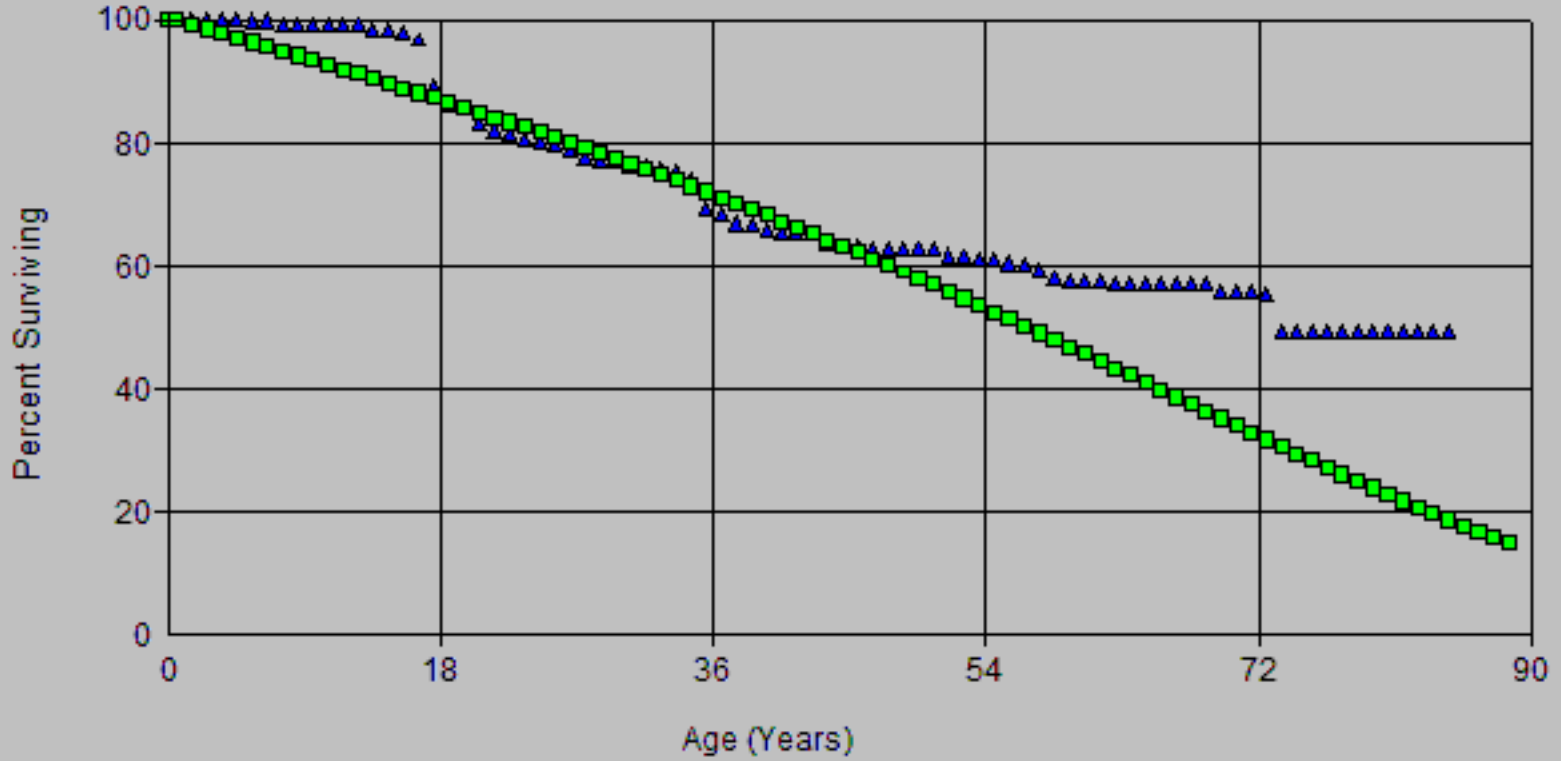
Account: 351x-Structures & Improvements Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 63.00



Account: 351x-Structures & Improvements Scenario: So Cal Gas Actuarial @ 2020

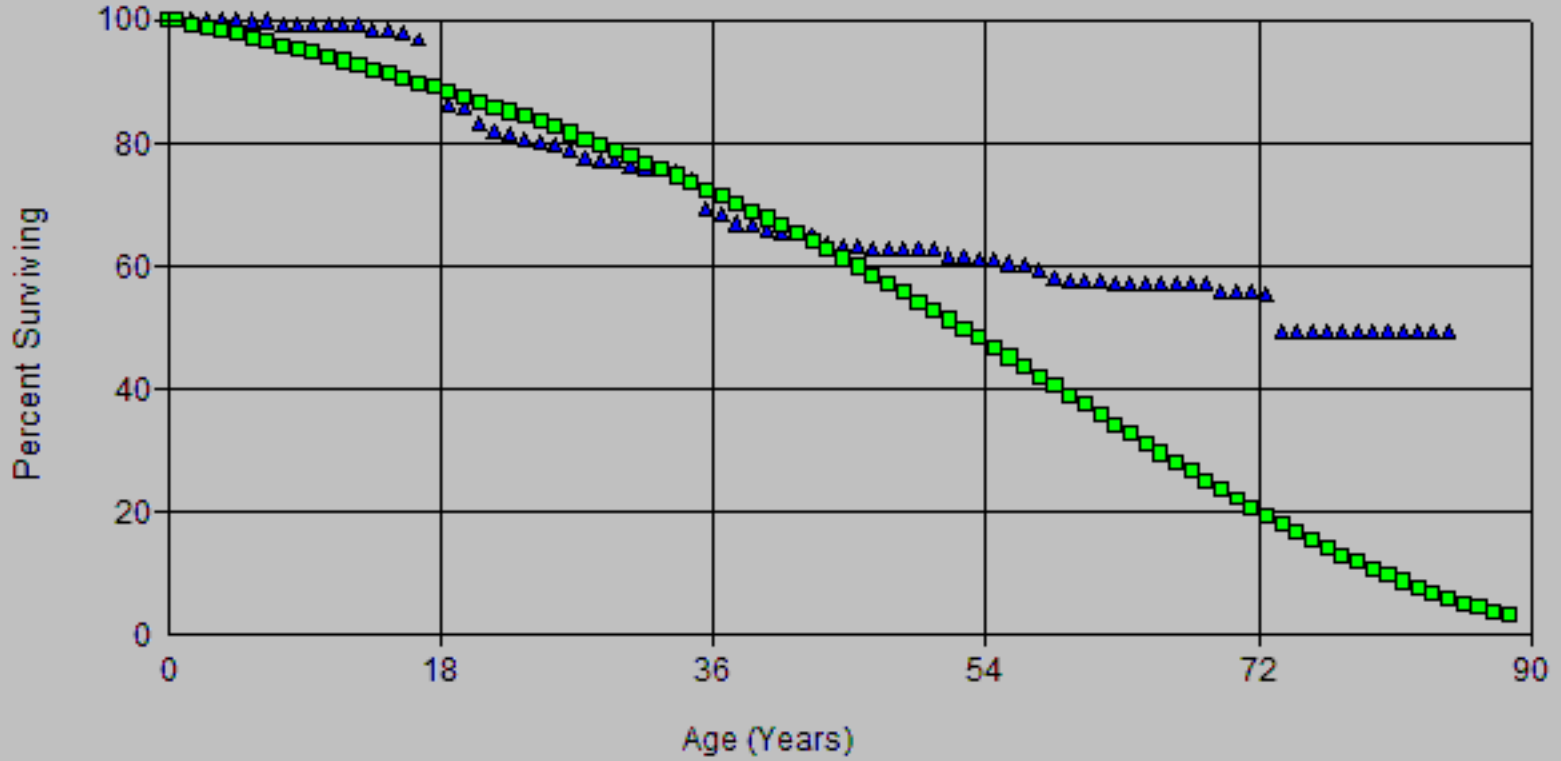
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Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1 50.00



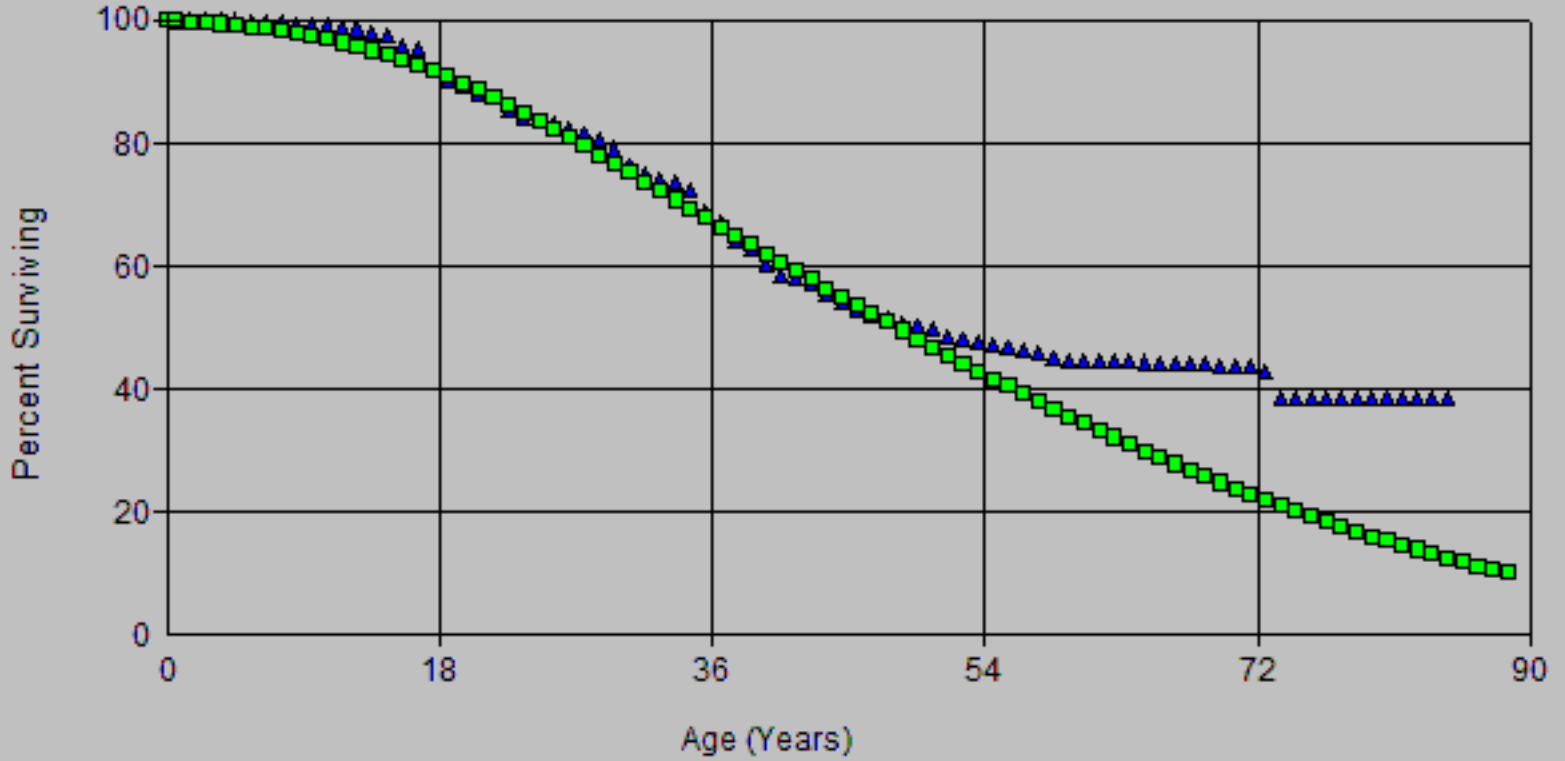
SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data

■ L1 51.00

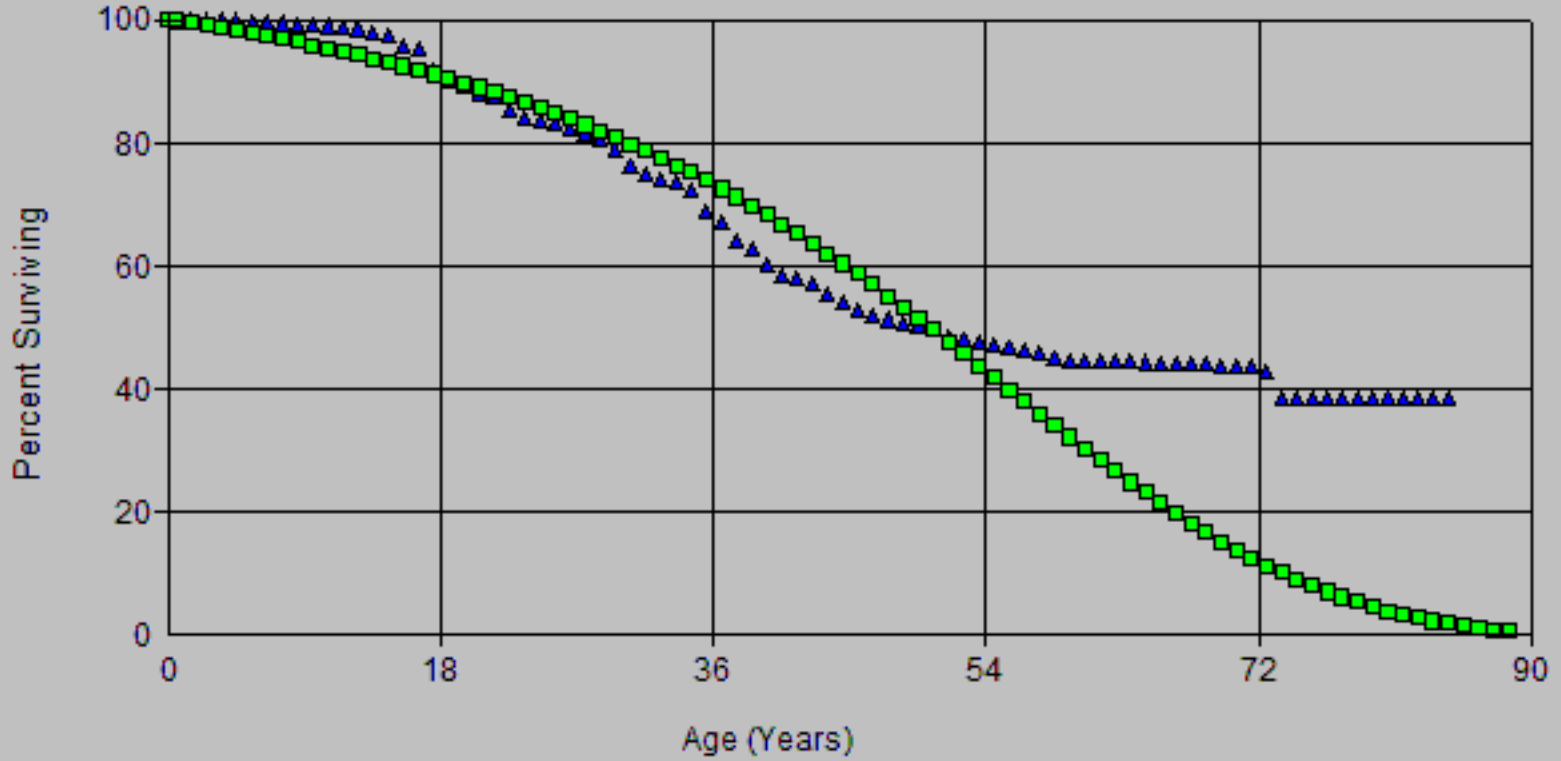


Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data

■ R1.5 48.00



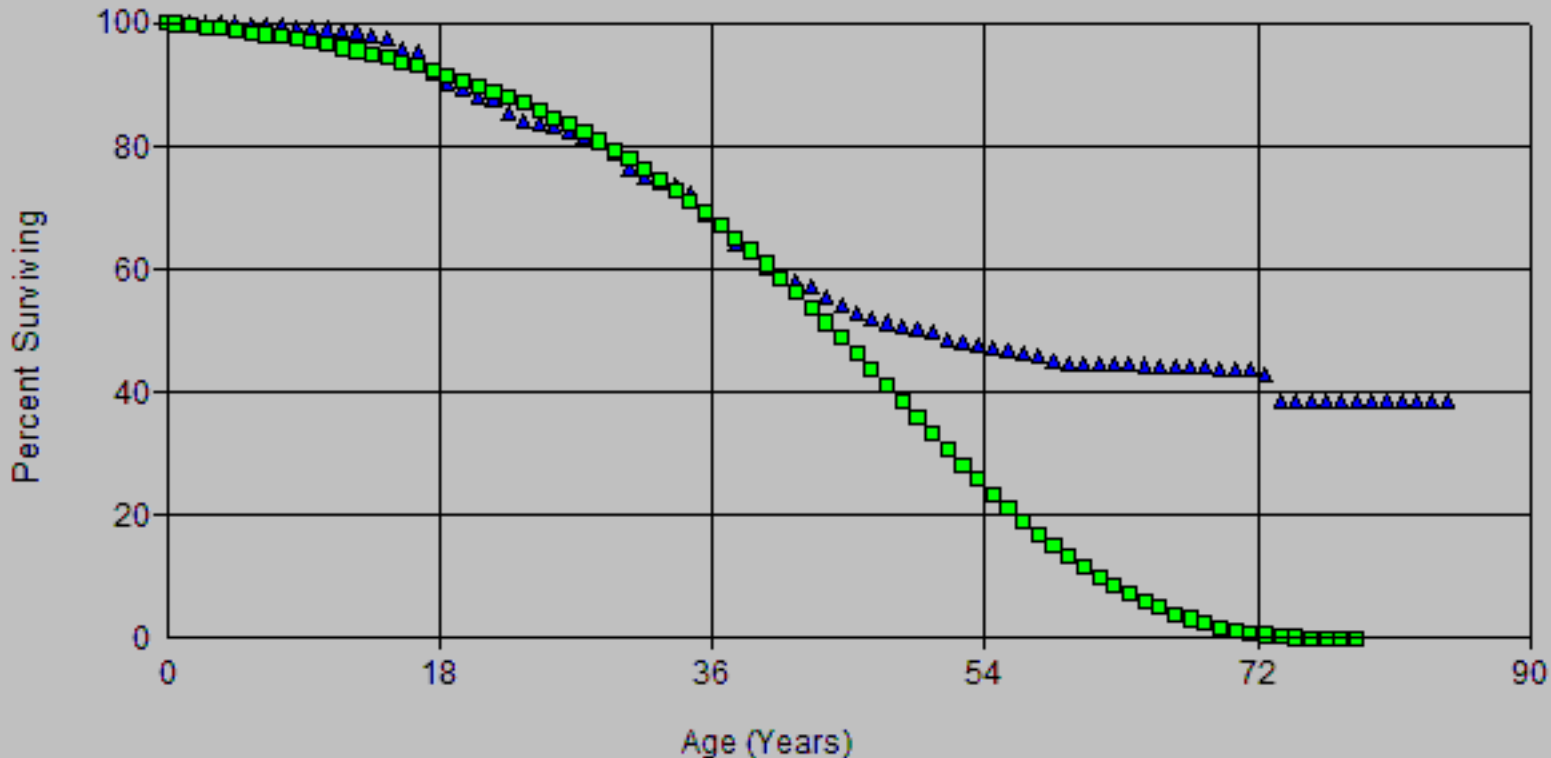
SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data

■ R2 42.00

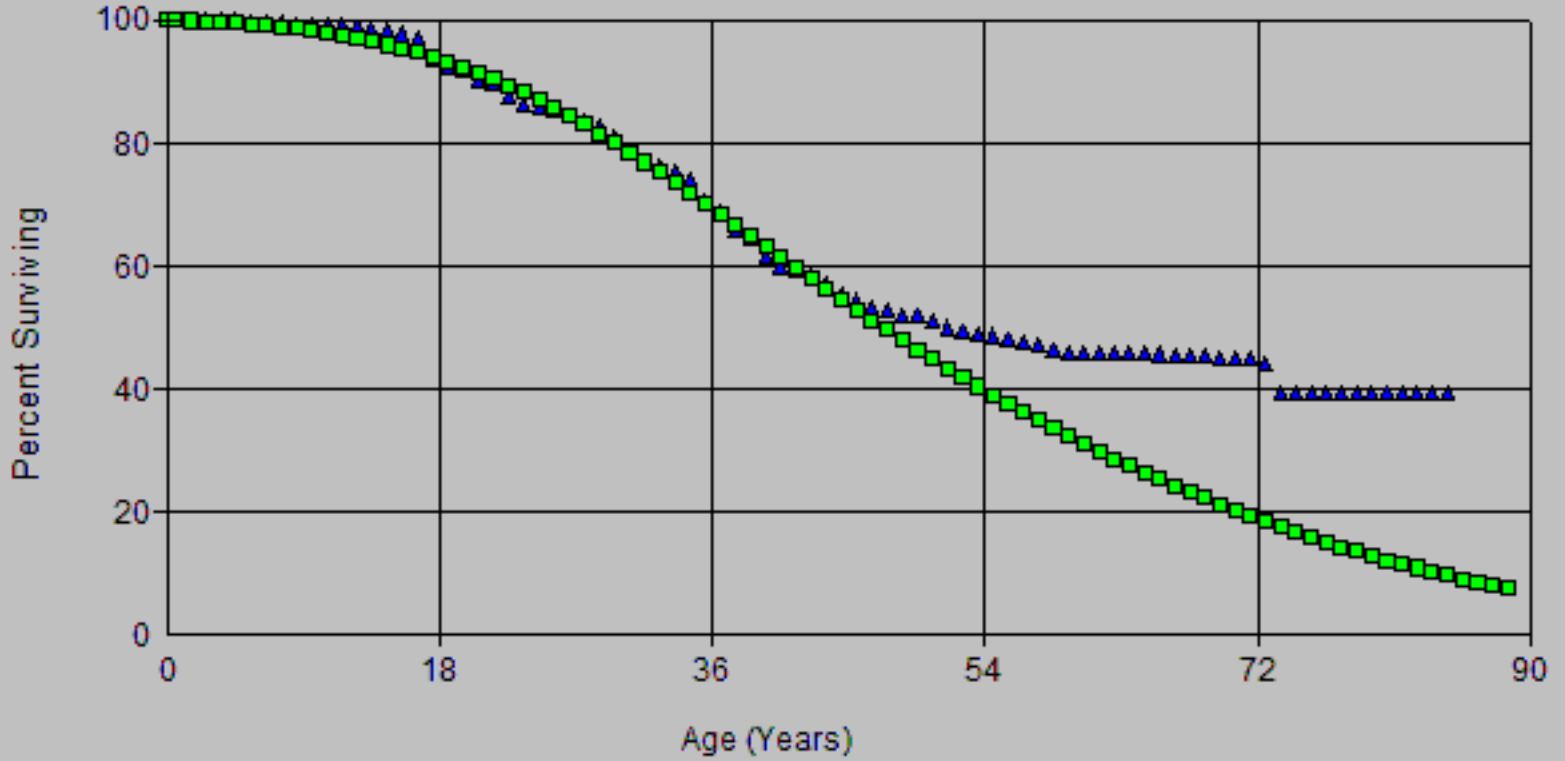


SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

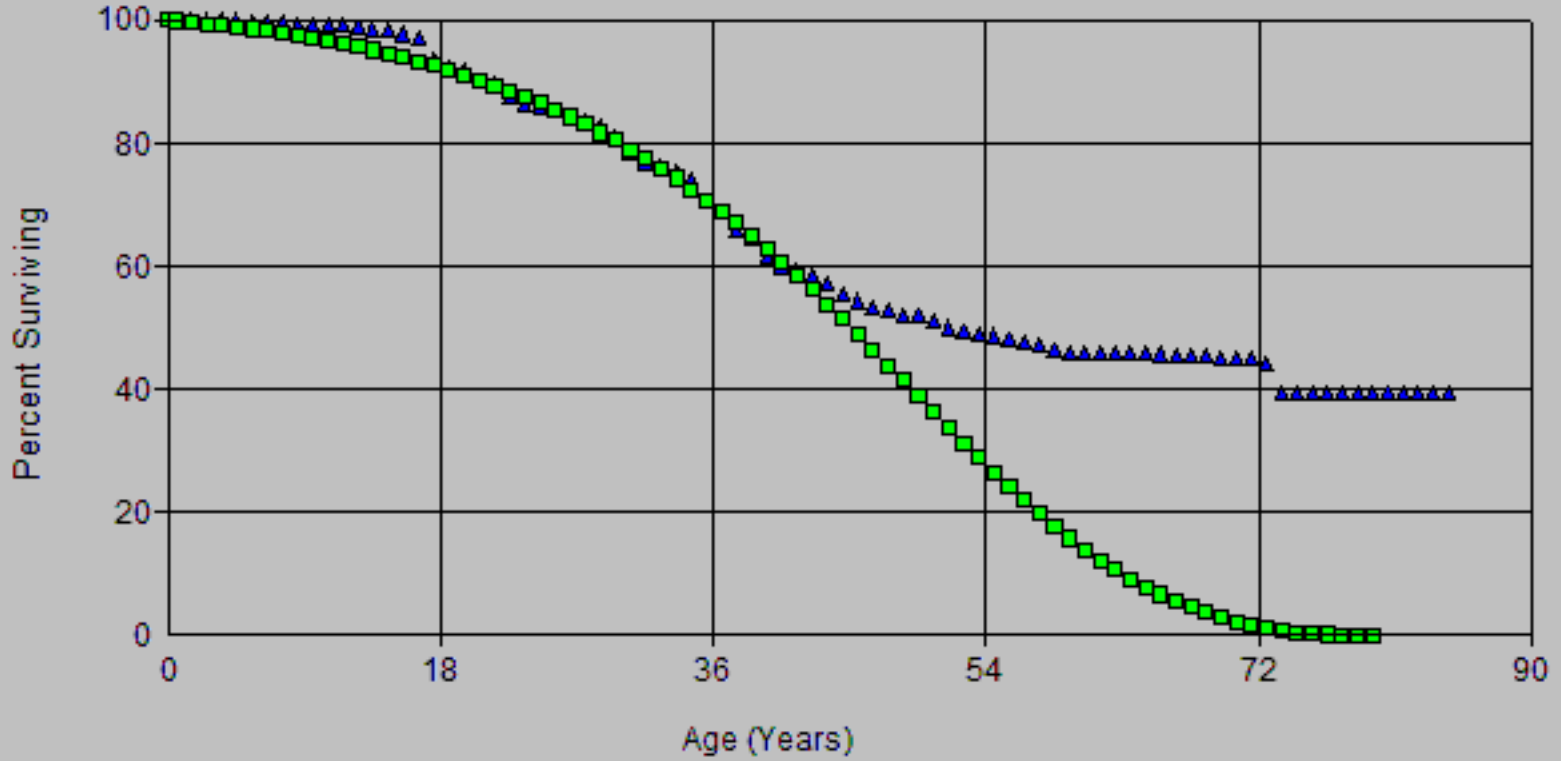
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Account: 351x-Structures & Improvements

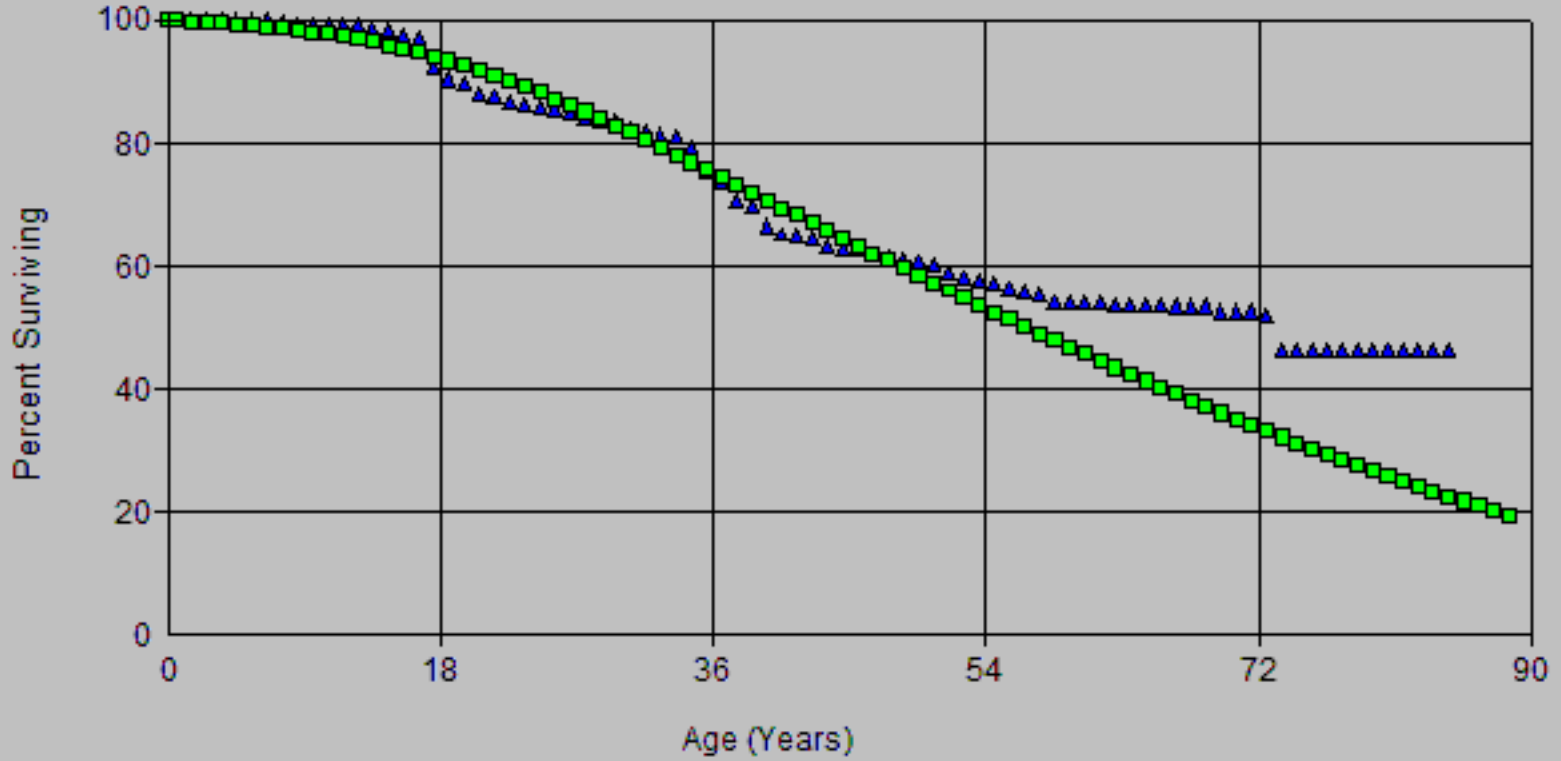
Scenario: So Cal Gas Actuarial @ 2020

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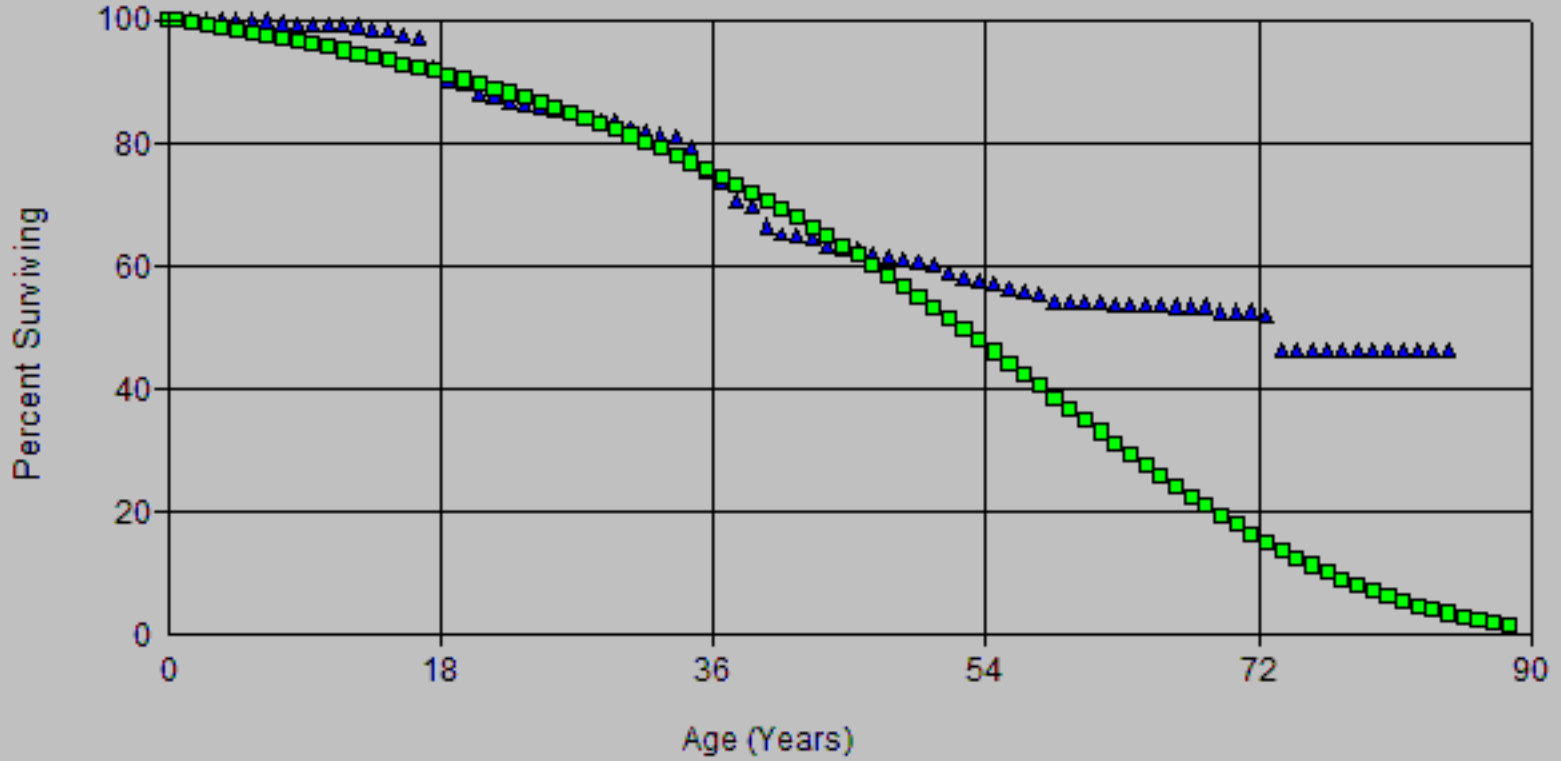
Account: 351x-Structures & Improvements Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L1 60.00



Account: 351x-Structures & Improvements Scenario: So Cal Gas Actuarial @ 2020

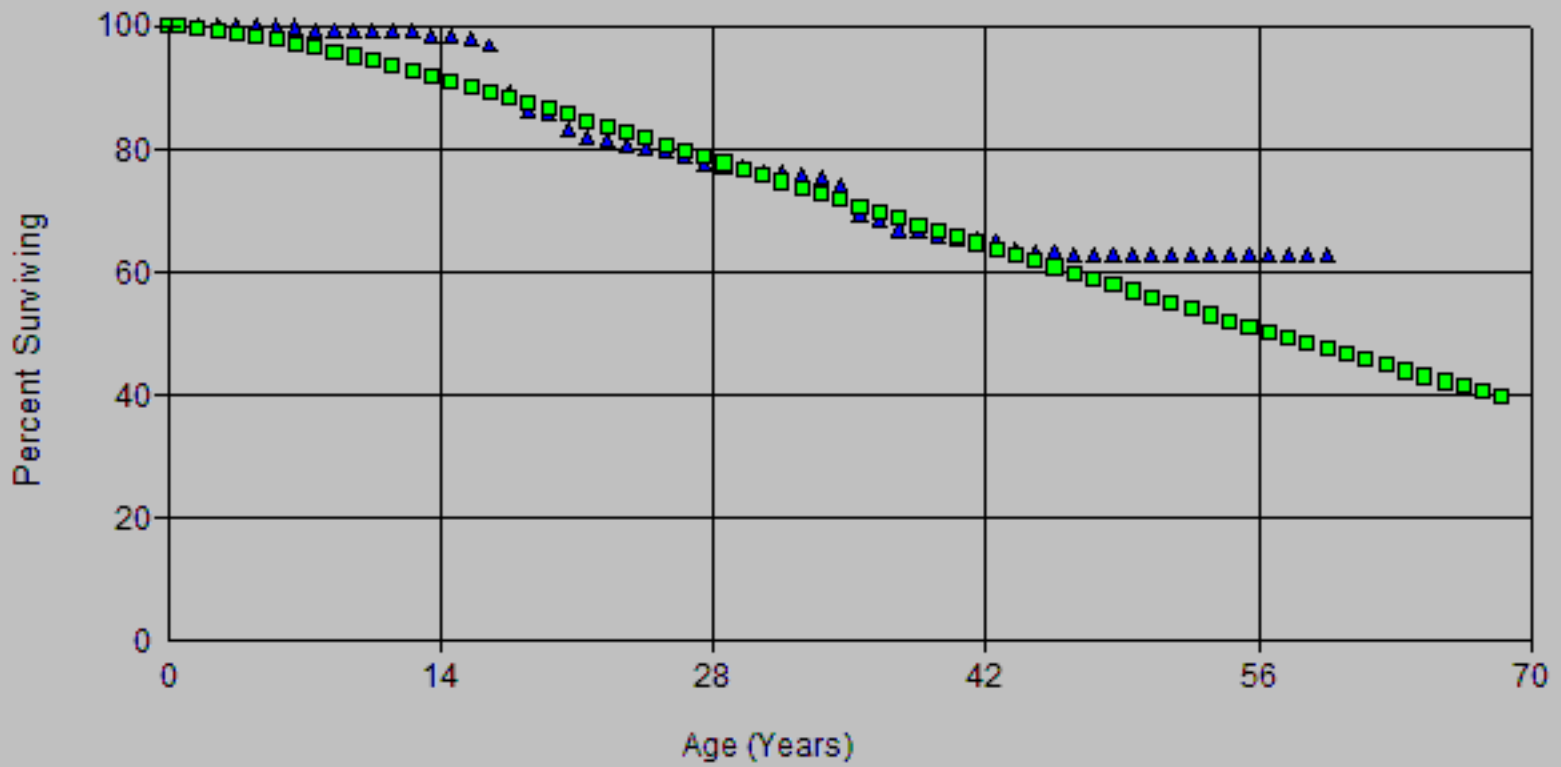
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Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 62.00



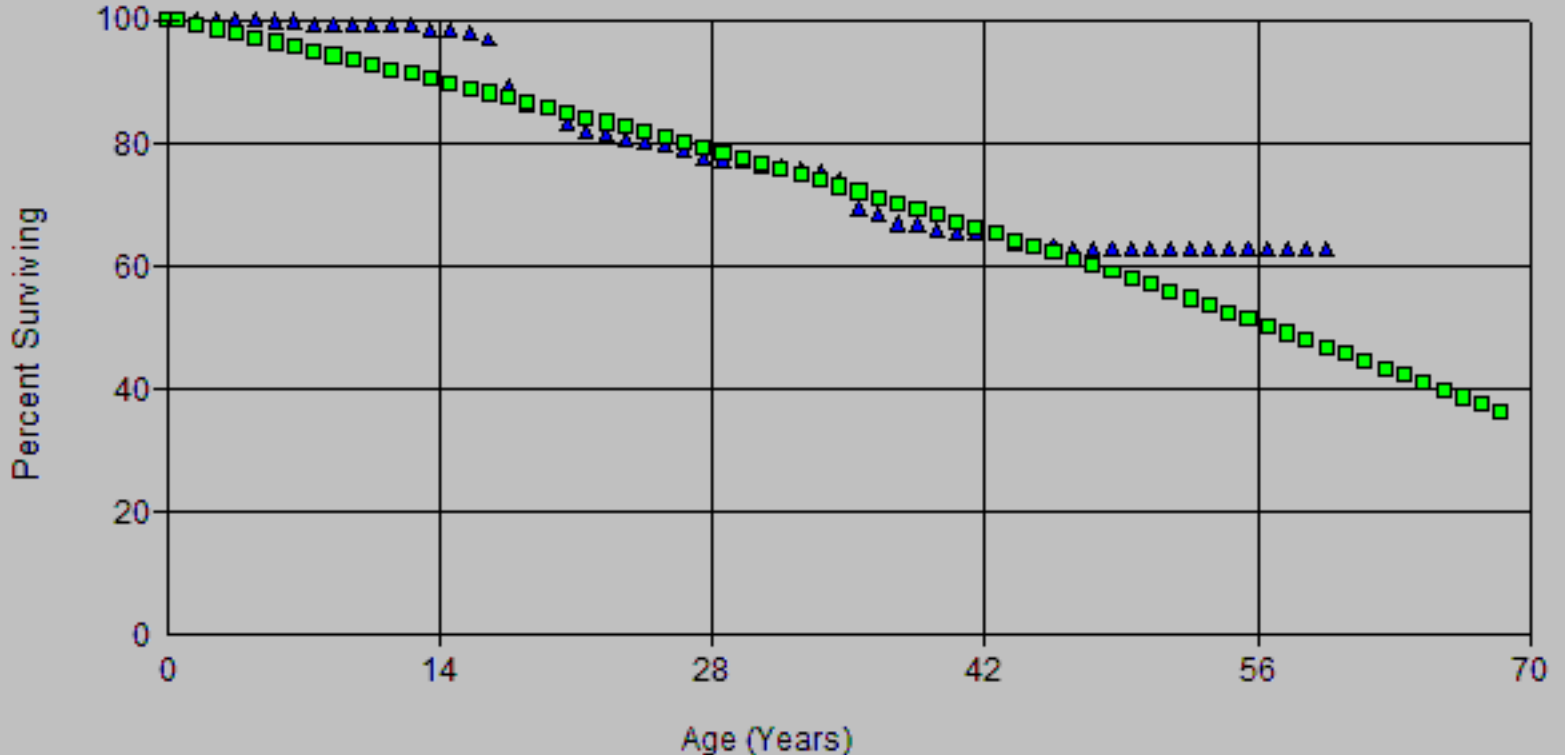
SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data

■ R0.5 55.00

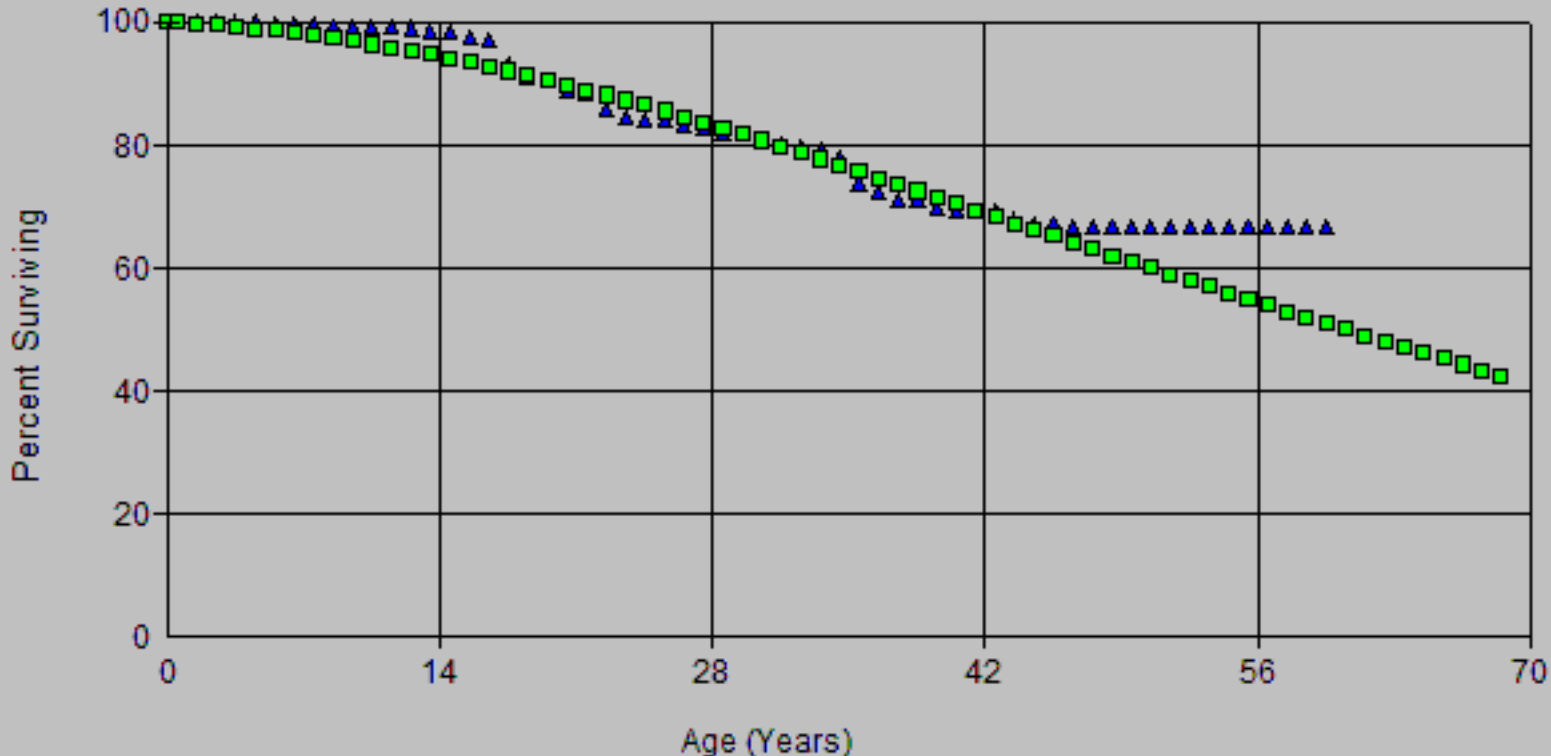


SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 65.00



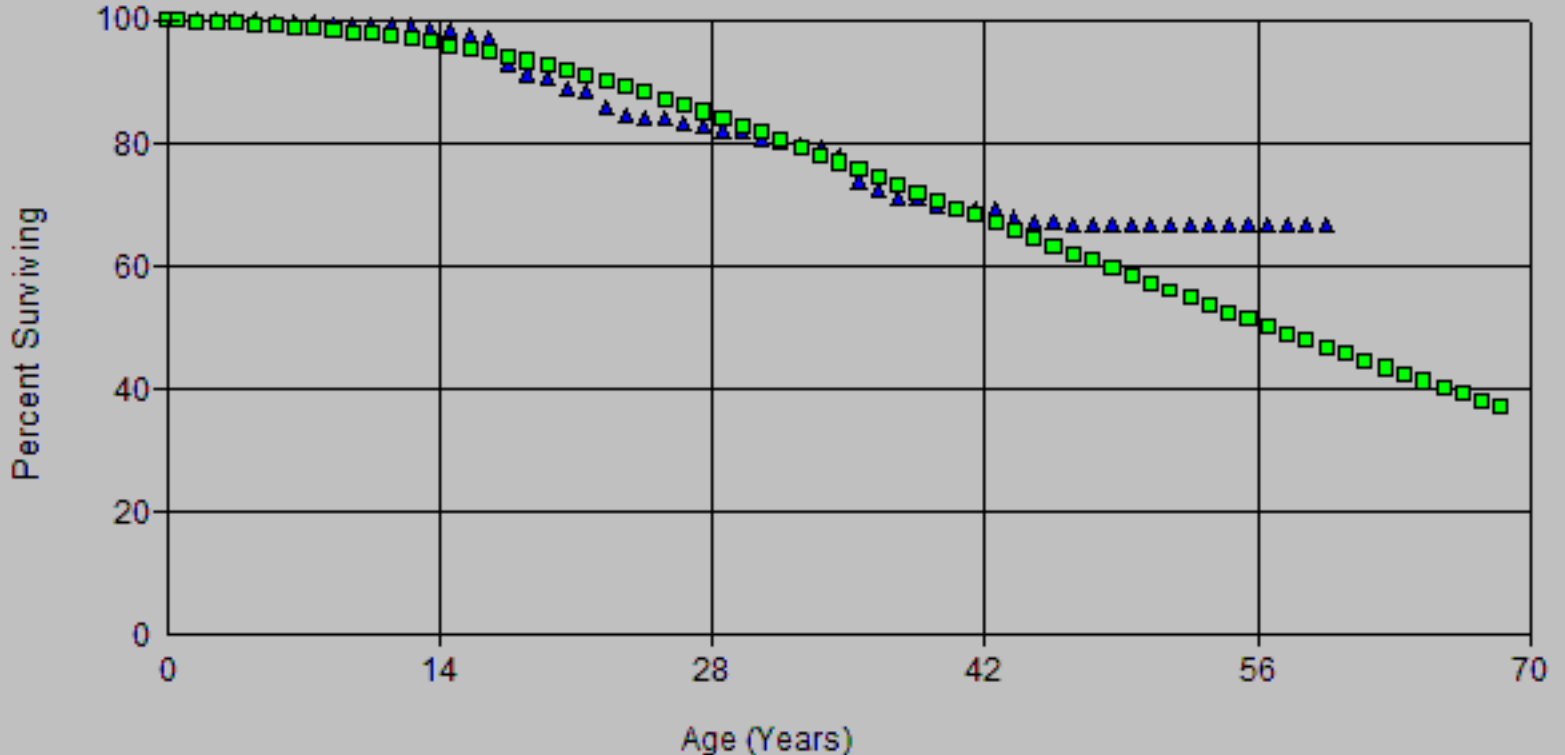
SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data

■ L1 60.00

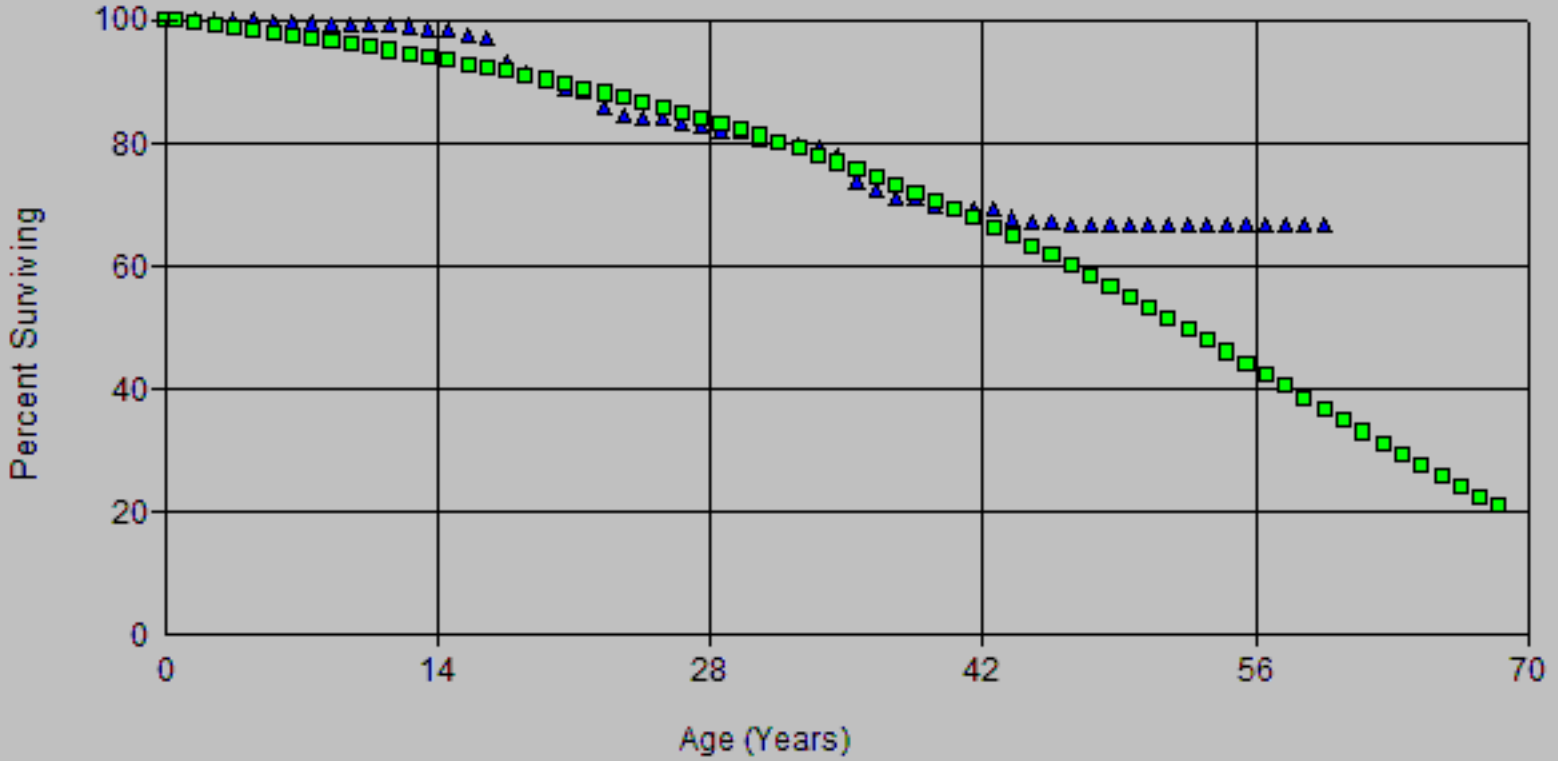


SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1.5 50.00



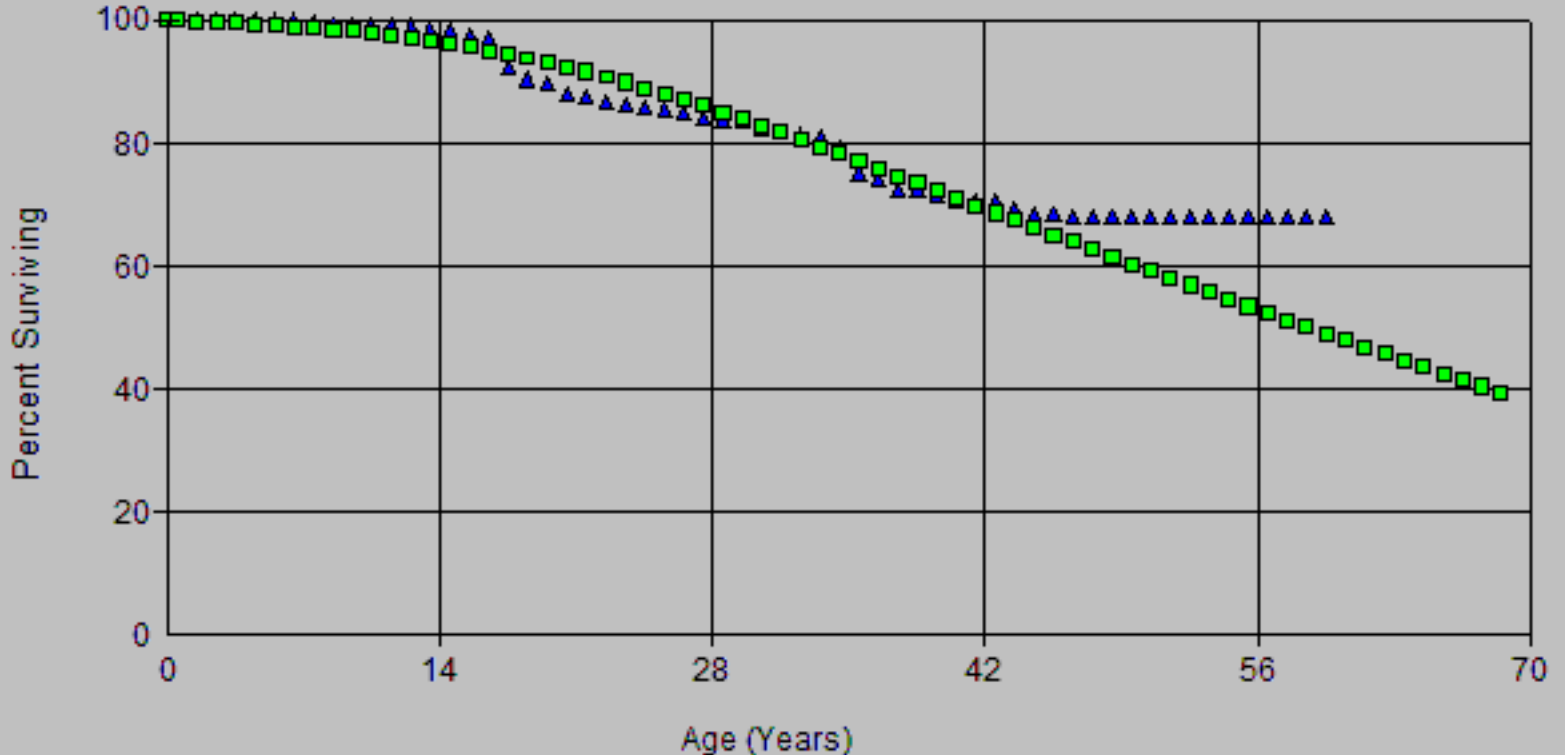
SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data

■ L1 62.00

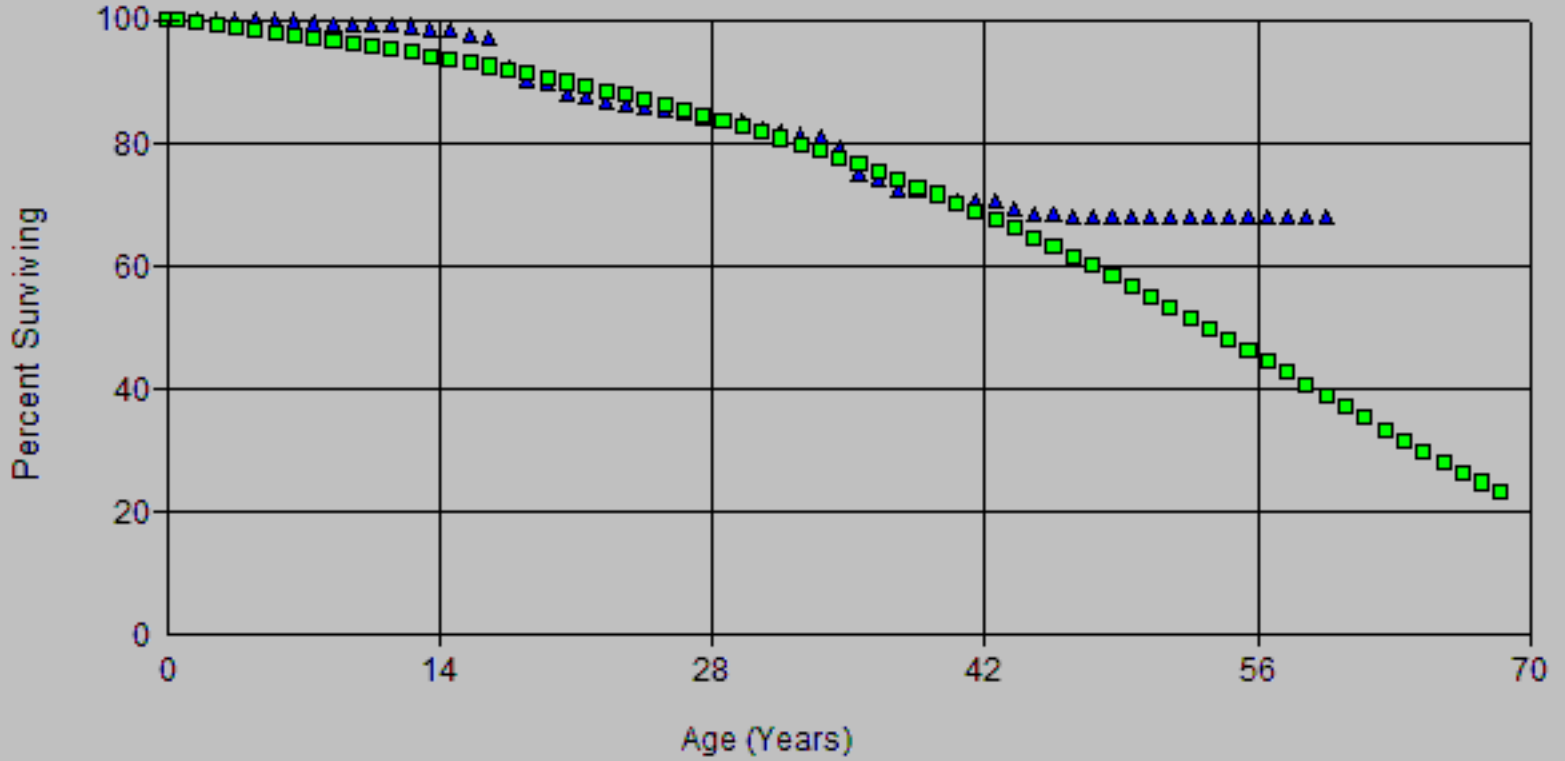


SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1.5 51.00



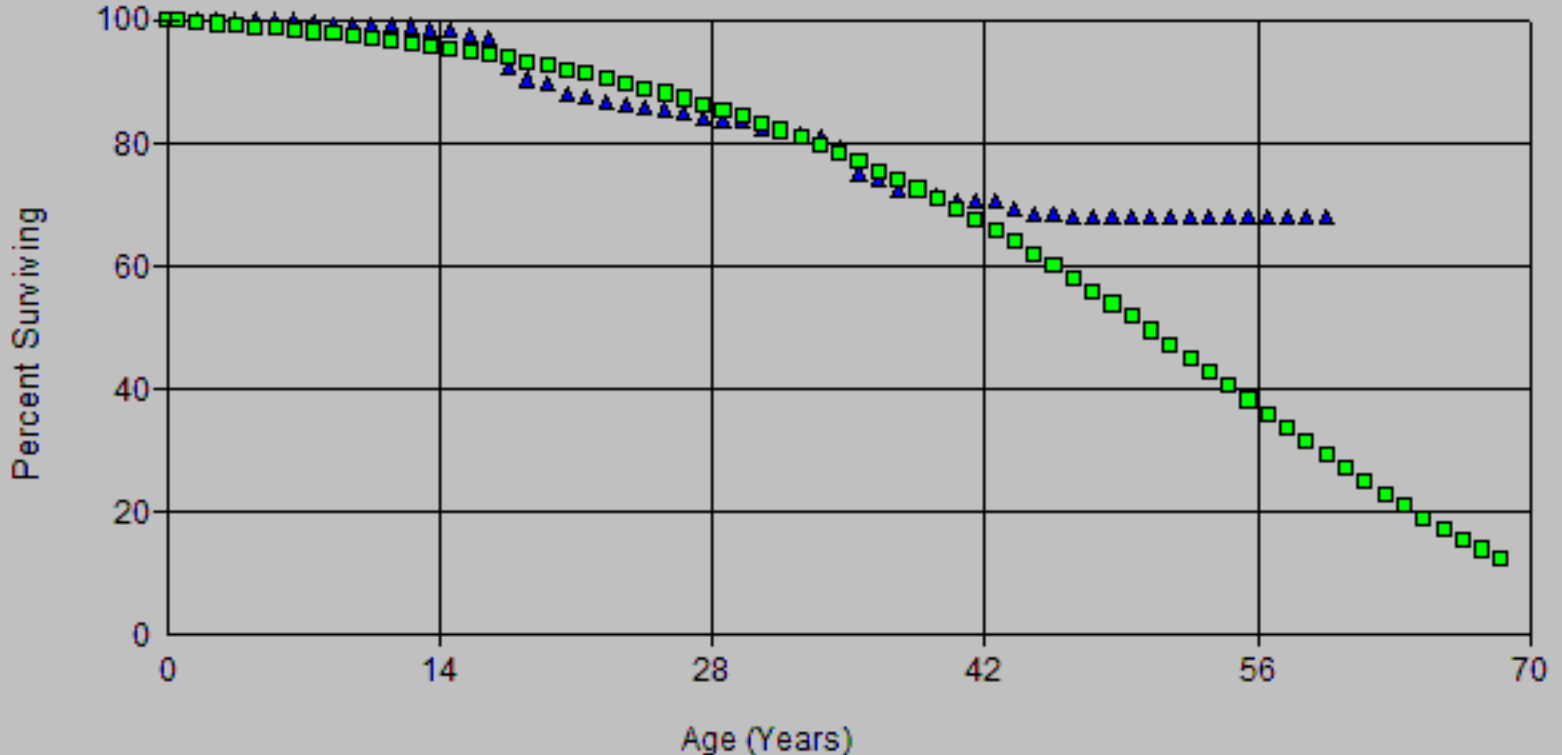
SoCalGas
2024 GRC - APR
Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data

■ R2 48.00

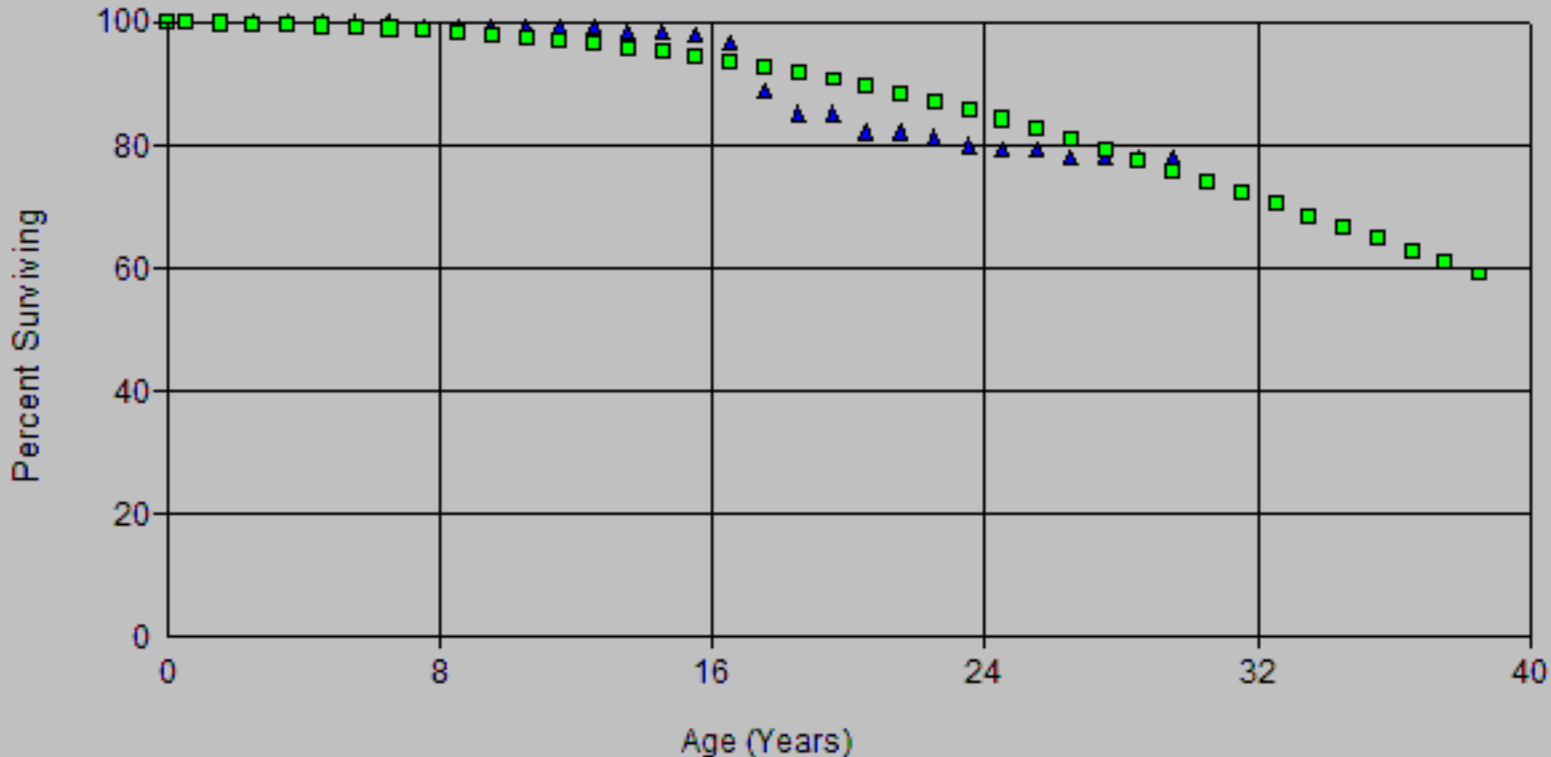


SoCalGas
 2024 GRC - APR
 Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L1.5 46.00

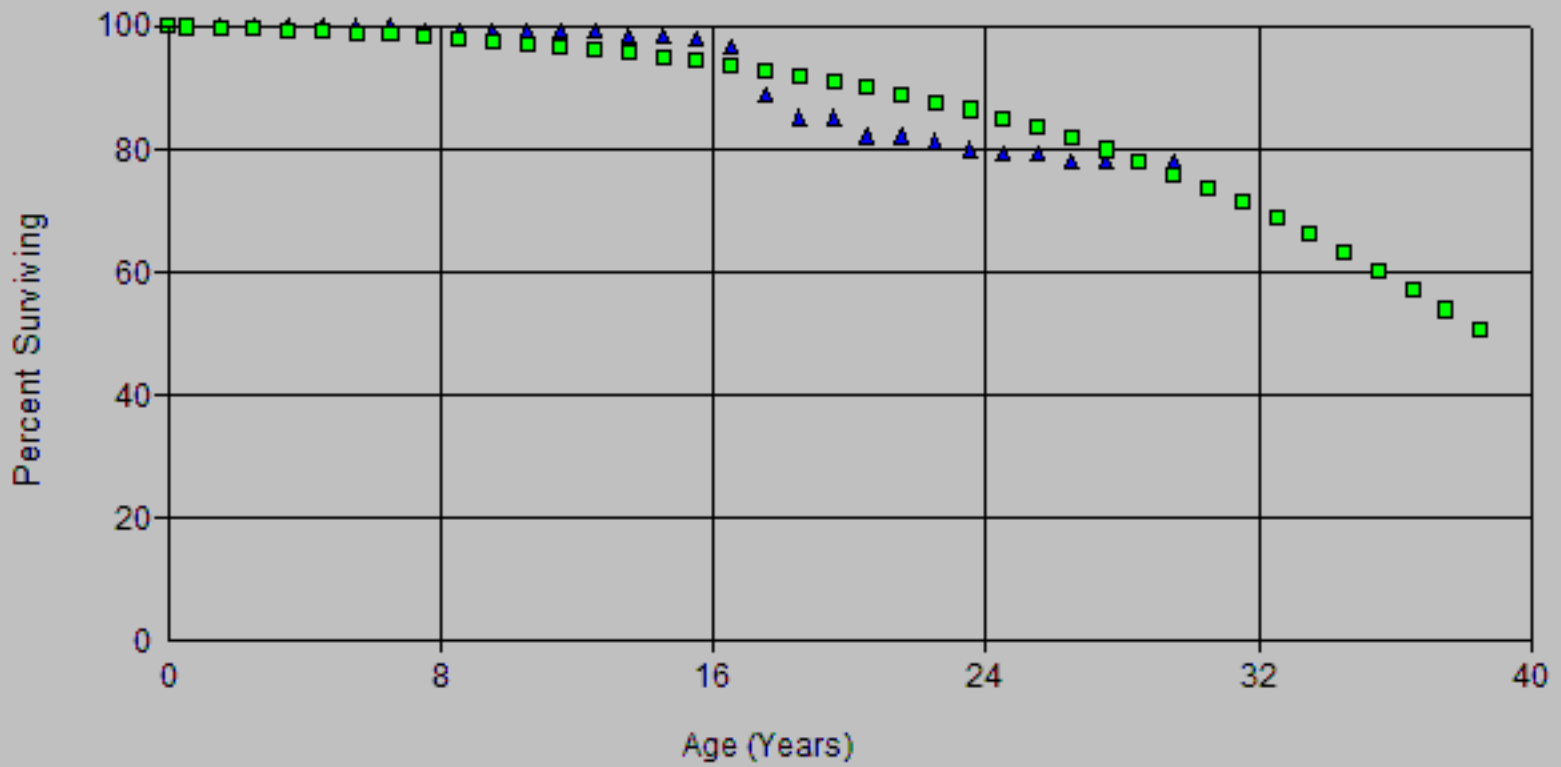


SoCalGas
 2024 GRC - APR
 Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 37.00

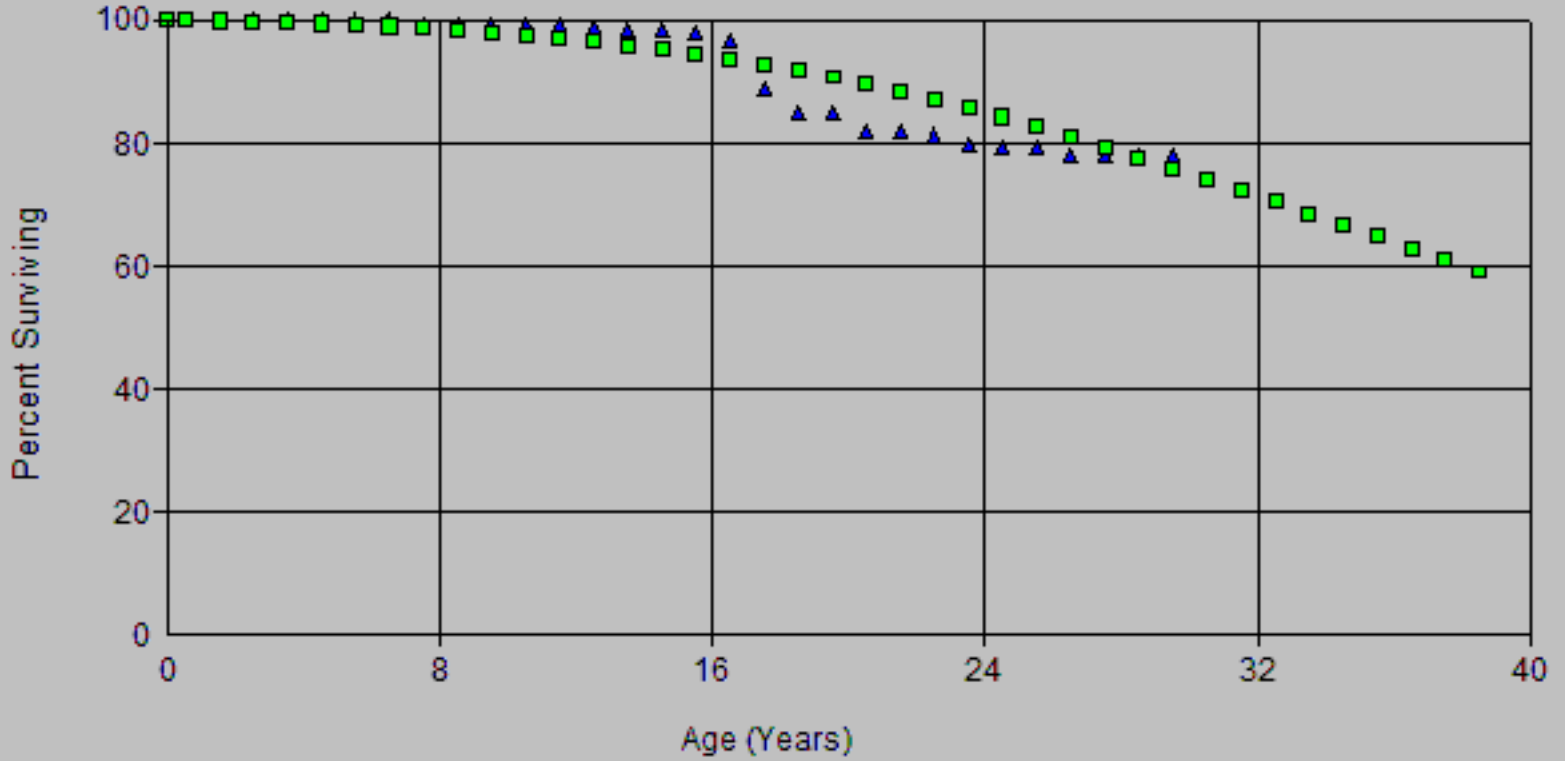


SoCalGas
 2024 GRC - APR
 Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L1.5 46.00

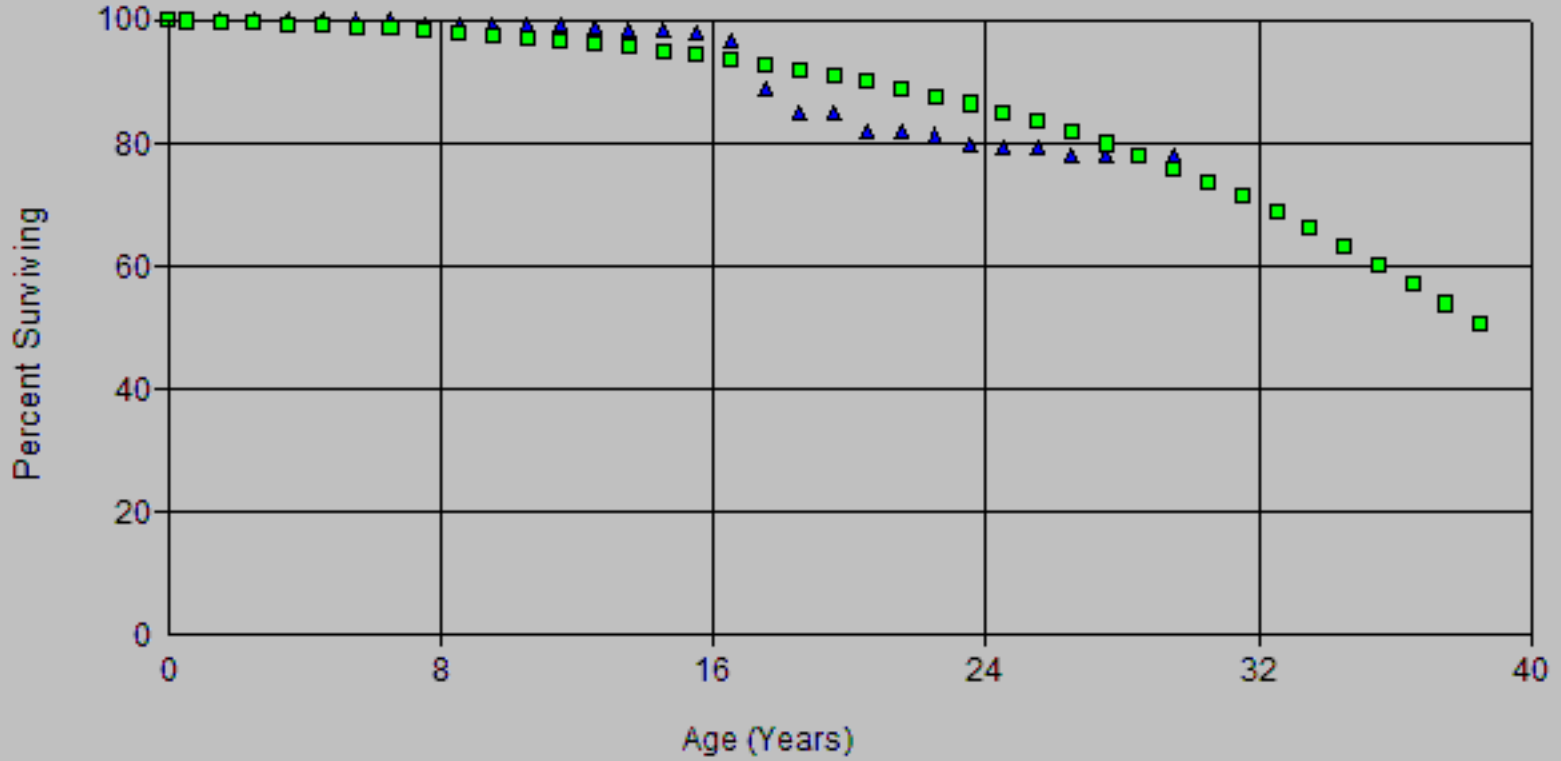


SoCalGas
 2024 GRC - APR
 Depreciation Workpapers

Account: 351x-Structures & Improvements

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 37.00



Scenario: So Cal Gas Actuarial @ 2020
Account: 351x-Structures & Improvements
Placement Band: 1900 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	91,459,687.18	0.00	0.00000	1.00000	100.00
0.5	82,300,435.90	0.00	0.00000	1.00000	100.00
1.5	78,782,721.82	0.00	0.00000	1.00000	100.00
2.5	71,433,971.65	0.00	0.00000	1.00000	100.00
3.5	70,792,804.04	0.00	0.00000	1.00000	100.00
4.5	47,500,351.85	9,574.84	0.00020	0.99980	100.00
5.5	27,028,141.33	0.00	0.00000	1.00000	99.98
6.5	26,795,218.78	156,659.36	0.00585	0.99415	99.98
7.5	24,528,979.42	0.00	0.00000	1.00000	99.40
8.5	22,542,030.37	0.00	0.00000	1.00000	99.40
9.5	20,254,572.44	15,151.80	0.00075	0.99925	99.40
10.5	19,161,590.53	0.00	0.00000	1.00000	99.32
11.5	19,682,194.89	24,576.69	0.00125	0.99875	99.32
12.5	18,311,713.37	131,437.37	0.00718	0.99282	99.20
13.5	15,978,811.68	6,558.94	0.00041	0.99959	98.48
14.5	13,129,763.61	54,858.76	0.00418	0.99582	98.44
15.5	12,506,174.95	137,992.84	0.01103	0.98897	98.03
16.5	12,330,116.93	950,322.87	0.07707	0.92293	96.95
17.5	10,256,691.79	376,531.48	0.03671	0.96329	89.48
18.5	9,538,597.00	25,973.44	0.00272	0.99728	86.20
19.5	9,704,366.32	319,194.95	0.03289	0.96711	85.96
20.5	9,519,056.78	111,964.56	0.01176	0.98824	83.13
21.5	7,658,099.66	57,573.27	0.00752	0.99248	82.16
22.5	7,930,367.67	76,208.96	0.00961	0.99039	81.54
23.5	7,945,767.38	66,843.68	0.00841	0.99159	80.75
24.5	7,872,366.97	19,404.33	0.00246	0.99754	80.08
25.5	7,375,829.49	94,471.42	0.01281	0.98719	79.88
26.5	6,067,080.49	90,004.83	0.01483	0.98517	78.86
27.5	5,785,481.60	25,879.33	0.00447	0.99553	77.69
28.5	5,934,751.62	8,618.85	0.00145	0.99855	77.34
29.5	7,504,465.19	100,189.03	0.01335	0.98665	77.23
30.5	7,375,792.45	8,470.32	0.00115	0.99885	76.20
31.5	6,846,985.02	22,127.90	0.00323	0.99677	76.11
32.5	8,131,732.00	22,636.26	0.00278	0.99722	75.86
33.5	7,829,077.75	170,530.62	0.02178	0.97822	75.65
34.5	7,180,800.71	436,787.60	0.06083	0.93917	74.00
35.5	6,580,703.21	99,821.47	0.01517	0.98483	69.50
36.5	6,294,481.84	131,386.20	0.02087	0.97913	68.45
37.5	5,810,773.64	7,140.50	0.00123	0.99877	67.02
38.5	5,595,415.95	79,373.88	0.01419	0.98581	66.94
39.5	5,312,556.90	52,231.48	0.00983	0.99017	65.99
40.5	5,243,708.21	0.00	0.00000	1.00000	65.34
41.5	5,053,719.60	5,590.56	0.00111	0.99889	65.34
42.5	5,068,435.20	105,603.76	0.02084	0.97916	65.27
43.5	4,573,871.80	41,574.61	0.00909	0.99091	63.91
44.5	1,760,915.23	0.00	0.00000	1.00000	63.32
45.5	1,600,767.98	11,368.45	0.00710	0.99290	63.32
46.5	1,584,571.19	0.00	0.00000	1.00000	62.87
47.5	495,387.18	0.00	0.00000	1.00000	62.87
48.5	483,279.81	0.00	0.00000	1.00000	62.87
49.5	965,076.46	0.00	0.00000	1.00000	62.87
50.5	1,160,479.03	19,780.49	0.01705	0.98295	62.87
51.5	1,105,754.44	4,752.63	0.00430	0.99570	61.80
52.5	1,103,250.45	2,987.06	0.00271	0.99665	61.54

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1900 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,097,400.20	0.00	0.00000	1.00000	61.33
54.5	1,090,728.99	14,366.20	0.01317	0.98683	61.33
55.5	1,028,903.48	6,941.36	0.00675	0.99325	60.52
56.5	1,010,916.15	12,700.49	0.01256	0.98744	60.11
57.5	976,408.50	21,730.06	0.02226	0.97774	59.36
58.5	951,498.57	5,928.77	0.00623	0.99377	58.04
59.5	938,658.91	0.00	0.00000	1.00000	57.68
60.5	973,357.56	0.00	0.00000	1.00000	57.68
61.5	962,866.65	5,321.74	0.00553	0.99447	57.68
62.5	967,695.67	0.00	0.00000	1.00000	57.36
63.5	915,179.69	2,358.40	0.00258	0.99742	57.36
64.5	528,591.42	743.40	0.00141	0.99859	57.21
65.5	189,092.13	110.47	0.00058	0.99942	57.13
66.5	197,112.66	0.00	0.00000	1.00000	57.09
67.5	189,337.66	0.00	0.00000	1.00000	57.09
68.5	165,646.74	2,852.70	0.01722	0.98278	57.09
69.5	161,981.04	0.00	0.00000	1.00000	56.11
70.5	159,673.04	0.00	0.00000	1.00000	56.11
71.5	130,844.04	1,675.04	0.01280	0.98720	56.11
72.5	125,552.00	13,394.93	0.10669	0.89331	55.39
73.5	109,048.07	0.00	0.00000	1.00000	49.48
74.5	108,012.07	0.00	0.00000	1.00000	49.48
75.5	82,592.00	0.00	0.00000	1.00000	49.48
76.5	82,592.00	0.00	0.00000	1.00000	49.48
77.5	72,237.80	0.00	0.00000	1.00000	49.48
78.5	63,829.80	0.00	0.00000	1.00000	49.48
79.5	6,829.30	0.00	0.00000	1.00000	49.48
80.5	6,829.30	0.00	0.00000	1.00000	49.48
81.5	1,172.00	0.00	0.00000	1.00000	49.48
82.5	1,172.00	0.00	0.00000	1.00000	49.48
83.5	301.00	0.00	0.00000	1.00000	49.48
84.5	0.00	0.00	0.00000	1.00000	49.48

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1900 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	124,664,932.00	16,007.93	0.00013	0.99987	100.00
0.5	114,846,507.38	19,845.27	0.00017	0.99983	99.99
1.5	111,053,646.76	22,034.42	0.00020	0.99980	99.97
2.5	102,336,138.05	5,114.77	0.00005	0.99995	99.95
3.5	100,782,230.64	14,060.44	0.00014	0.99986	99.95
4.5	76,801,455.58	36,489.97	0.00048	0.99952	99.93
5.5	57,047,127.11	10,418.64	0.00018	0.99982	99.88
6.5	54,539,329.33	184,710.17	0.00339	0.99661	99.87
7.5	52,246,804.22	97,259.92	0.00186	0.99814	99.53
8.5	49,658,662.29	25,742.35	0.00052	0.99948	99.34
9.5	46,729,010.30	63,643.98	0.00136	0.99864	99.29
10.5	44,949,706.13	97,492.68	0.00217	0.99783	99.15
11.5	43,081,070.90	99,693.42	0.00231	0.99769	98.94
12.5	41,320,595.48	234,888.32	0.00568	0.99432	98.71
13.5	37,943,750.35	209,222.54	0.00551	0.99449	98.15
14.5	32,922,897.28	515,461.22	0.01566	0.98434	97.61
15.5	31,021,224.52	256,132.24	0.00826	0.99174	96.08
16.5	29,462,410.29	1,073,570.06	0.03644	0.96356	95.29
17.5	26,649,964.37	448,836.74	0.01684	0.98316	91.81
18.5	25,337,889.57	203,224.13	0.00802	0.99198	90.27
19.5	24,624,358.15	382,442.35	0.01553	0.98447	89.54
20.5	23,906,755.24	186,255.73	0.00779	0.99221	88.15
21.5	21,710,906.94	523,849.62	0.02413	0.97587	87.47
22.5	21,044,943.01	292,872.26	0.01392	0.98608	85.35
23.5	20,611,111.10	137,597.16	0.00668	0.99332	84.17
24.5	20,086,139.07	117,054.03	0.00583	0.99417	83.60
25.5	19,355,101.73	159,260.03	0.00823	0.99177	83.12
26.5	17,752,837.01	170,987.87	0.00963	0.99037	82.43
27.5	17,367,057.02	173,100.48	0.00997	0.99003	81.64
28.5	16,948,167.17	356,859.77	0.02106	0.97894	80.83
29.5	15,020,834.51	517,668.24	0.03446	0.96554	79.12
30.5	14,286,913.83	256,398.51	0.01795	0.98205	76.40
31.5	13,442,130.17	126,771.29	0.00943	0.99057	75.03
32.5	13,014,966.70	113,029.97	0.00868	0.99132	74.32
33.5	12,546,058.07	244,444.96	0.01948	0.98052	73.67
34.5	11,639,194.61	520,548.81	0.04472	0.95528	72.24
35.5	10,747,800.03	296,213.72	0.02756	0.97244	69.01
36.5	10,221,942.90	447,461.91	0.04377	0.95623	67.11
37.5	9,404,236.48	171,337.41	0.01822	0.98178	64.17
38.5	8,722,312.83	386,859.55	0.04435	0.95565	63.00
39.5	8,125,618.25	229,223.74	0.02821	0.97179	60.21
40.5	7,826,822.53	74,539.67	0.00952	0.99048	58.51
41.5	7,509,020.81	116,340.55	0.01549	0.98451	57.95
42.5	7,378,959.67	193,386.51	0.02621	0.97379	57.05
43.5	6,776,821.67	172,853.47	0.02551	0.97449	55.56
44.5	3,820,362.37	79,752.97	0.02088	0.97912	54.14
45.5	2,921,141.37	54,415.81	0.01863	0.98137	53.01
46.5	2,855,636.11	35,048.32	0.01227	0.98773	52.02
47.5	1,726,423.50	20,174.77	0.01169	0.98831	51.39
48.5	1,633,217.38	11,773.72	0.00721	0.99279	50.78
49.5	1,570,887.46	18,975.28	0.01208	0.98792	50.42
50.5	1,404,871.80	31,134.22	0.02216	0.97784	49.81
51.5	1,338,015.22	18,448.62	0.01379	0.98621	48.71
52.5	1,314,040.24	8,404.55	0.00640	0.99360	48.03

SoCalGas
2024 GRC - APP
Observed Life Table Depreciation Workpapers

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1900 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,278,910.58	10,102.49	0.00790	0.99210	47.73
54.5	1,261,022.88	14,806.29	0.01174	0.98826	47.35
55.5	1,196,449.28	8,042.17	0.00672	0.99328	46.79
56.5	1,148,421.67	13,288.78	0.01157	0.98843	46.48
57.5	1,109,708.73	21,788.21	0.01963	0.98037	45.94
58.5	1,081,631.65	5,987.11	0.00554	0.99446	45.04
59.5	1,067,697.65	0.03	0.00000	1.00000	44.79
60.5	1,063,581.27	1.85	0.00000	1.00000	44.79
61.5	1,053,088.51	5,322.06	0.00505	0.99495	44.79
62.5	1,042,786.17	0.00	0.00000	1.00000	44.56
63.5	981,862.19	2,358.40	0.00240	0.99760	44.56
64.5	538,273.42	743.40	0.00138	0.99862	44.46
65.5	198,774.13	110.47	0.00056	0.99944	44.40
66.5	198,284.66	0.00	0.00000	1.00000	44.37
67.5	190,509.66	0.00	0.00000	1.00000	44.37
68.5	165,947.74	2,852.70	0.01719	0.98281	44.37
69.5	161,981.04	0.00	0.00000	1.00000	43.61
70.5	159,673.04	0.00	0.00000	1.00000	43.61
71.5	130,844.04	1,675.04	0.01280	0.98720	43.61
72.5	125,552.00	13,394.93	0.10669	0.89331	43.05
73.5	109,048.07	0.00	0.00000	1.00000	38.46
74.5	108,012.07	0.00	0.00000	1.00000	38.46
75.5	82,592.00	0.00	0.00000	1.00000	38.46
76.5	82,592.00	0.00	0.00000	1.00000	38.46
77.5	72,237.80	0.00	0.00000	1.00000	38.46
78.5	63,829.80	0.00	0.00000	1.00000	38.46
79.5	6,829.30	0.00	0.00000	1.00000	38.46
80.5	6,829.30	0.00	0.00000	1.00000	38.46
81.5	1,172.00	0.00	0.00000	1.00000	38.46
82.5	1,172.00	0.00	0.00000	1.00000	38.46
83.5	301.00	0.00	0.00000	1.00000	38.46
84.5	0.00	0.00	0.00000	1.00000	38.46

Scenario: So Cal Gas Actuarial @ 2020
Account: 351x-Structures & Improvements
Placement Band: 1900 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	120,263,011.80	4,787.24	0.00004	0.99996	100.00
0.5	110,464,001.43	8,586.65	0.00008	0.99992	100.00
1.5	106,355,174.03	19,734.71	0.00019	0.99981	99.99
2.5	97,670,606.61	2,798.04	0.00003	0.99997	99.97
3.5	96,050,043.38	3,412.22	0.00004	0.99996	99.97
4.5	74,652,265.56	32,023.71	0.00043	0.99957	99.96
5.5	54,809,993.60	6,201.12	0.00011	0.99989	99.92
6.5	52,301,142.78	173,748.40	0.00332	0.99668	99.91
7.5	49,852,637.07	89,517.72	0.00180	0.99820	99.58
8.5	47,365,507.88	20,372.63	0.00043	0.99957	99.40
9.5	44,463,082.08	34,688.56	0.00078	0.99922	99.35
10.5	42,714,561.61	30,521.54	0.00071	0.99929	99.28
11.5	41,058,611.98	50,045.51	0.00122	0.99878	99.21
12.5	39,367,735.45	169,825.16	0.00431	0.99569	99.09
13.5	36,074,972.36	28,560.10	0.00079	0.99921	98.66
14.5	31,255,279.97	248,238.00	0.00794	0.99206	98.58
15.5	29,899,935.01	179,448.18	0.00600	0.99400	97.80
16.5	28,425,223.81	997,798.50	0.03510	0.96490	97.21
17.5	25,819,308.70	424,055.82	0.01642	0.98358	93.80
18.5	24,645,389.99	132,094.38	0.00536	0.99464	92.26
19.5	24,508,255.40	376,337.20	0.01536	0.98464	91.76
20.5	23,803,181.83	172,318.32	0.00724	0.99276	90.36
21.5	21,694,321.04	522,214.71	0.02407	0.97593	89.70
22.5	21,028,483.60	289,884.26	0.01379	0.98621	87.54
23.5	20,602,585.46	135,121.06	0.00656	0.99344	86.34
24.5	20,080,880.59	114,870.86	0.00572	0.99428	85.77
25.5	19,350,918.04	157,320.54	0.00813	0.99187	85.28
26.5	17,749,345.87	169,545.57	0.00955	0.99045	84.59
27.5	17,364,305.24	171,883.63	0.00990	0.99010	83.78
28.5	16,946,390.19	355,882.10	0.02100	0.97900	82.95
29.5	15,019,439.35	517,085.28	0.03443	0.96557	81.21
30.5	14,285,875.76	255,952.11	0.01792	0.98208	78.41
31.5	13,441,413.29	126,368.56	0.00940	0.99060	77.01
32.5	13,014,600.86	112,826.68	0.00867	0.99133	76.28
33.5	12,545,552.84	244,305.61	0.01947	0.98053	75.62
34.5	11,638,712.61	520,370.70	0.04471	0.95529	74.15
35.5	10,747,173.36	295,986.94	0.02754	0.97246	70.83
36.5	10,221,390.16	447,252.34	0.04376	0.95624	68.88
37.5	9,403,853.46	171,114.76	0.01820	0.98180	65.87
38.5	8,722,151.92	386,749.53	0.04434	0.95566	64.67
39.5	8,123,209.01	229,000.92	0.02819	0.97181	61.80
40.5	7,824,619.57	73,635.37	0.00941	0.99059	60.06
41.5	7,507,722.15	115,294.08	0.01536	0.98464	59.50
42.5	7,378,377.07	193,185.69	0.02618	0.97382	58.58
43.5	6,776,439.87	172,644.72	0.02548	0.97452	57.05
44.5	3,820,189.30	79,610.40	0.02084	0.97916	55.59
45.5	2,921,110.87	54,394.60	0.01862	0.98138	54.43
46.5	2,851,397.02	34,630.03	0.01214	0.98786	53.42
47.5	1,722,602.70	18,432.83	0.01070	0.98930	52.77
48.5	1,631,138.52	10,029.38	0.00615	0.99385	52.21
49.5	1,570,552.94	18,736.97	0.01193	0.98807	51.89
50.5	1,404,775.59	31,038.01	0.02209	0.97791	51.27
51.5	1,338,015.22	18,448.62	0.01379	0.98621	50.13
52.5	1,314,040.24	8,404.55	0.00640	0.99360	49.44

Scenario: So Cal Gas Actuarial @ 2020
Account: 351x-Structures & Improvements
Placement Band: 1900 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,278,910.58	10,102.49	0.00790	0.99210	49.13
54.5	1,261,022.88	14,806.29	0.01174	0.98826	48.74
55.5	1,196,449.28	8,042.17	0.00672	0.99328	48.17
56.5	1,148,421.67	13,288.78	0.01157	0.98843	47.84
57.5	1,109,708.73	21,788.21	0.01963	0.98037	47.29
58.5	1,081,631.65	5,987.11	0.00554	0.99446	46.36
59.5	1,067,697.65	0.03	0.00000	1.00000	46.10
60.5	1,063,581.27	1.85	0.00000	1.00000	46.10
61.5	1,053,088.51	5,322.06	0.00505	0.99495	46.10
62.5	1,042,786.17	0.00	0.00000	1.00000	45.87
63.5	981,862.19	2,358.40	0.00240	0.99760	45.87
64.5	538,273.42	743.40	0.00138	0.99862	45.76
65.5	198,774.13	110.47	0.00056	0.99944	45.70
66.5	198,284.66	0.00	0.00000	1.00000	45.67
67.5	190,509.66	0.00	0.00000	1.00000	45.67
68.5	165,947.74	2,852.70	0.01719	0.98281	45.67
69.5	161,981.04	0.00	0.00000	1.00000	44.89
70.5	159,673.04	0.00	0.00000	1.00000	44.89
71.5	130,844.04	1,675.04	0.01280	0.98720	44.89
72.5	125,552.00	13,394.93	0.10669	0.89331	44.31
73.5	109,048.07	0.00	0.00000	1.00000	39.58
74.5	108,012.07	0.00	0.00000	1.00000	39.58
75.5	82,592.00	0.00	0.00000	1.00000	39.58
76.5	82,592.00	0.00	0.00000	1.00000	39.58
77.5	72,237.80	0.00	0.00000	1.00000	39.58
78.5	63,829.80	0.00	0.00000	1.00000	39.58
79.5	6,829.30	0.00	0.00000	1.00000	39.58
80.5	6,829.30	0.00	0.00000	1.00000	39.58
81.5	1,172.00	0.00	0.00000	1.00000	39.58
82.5	1,172.00	0.00	0.00000	1.00000	39.58
83.5	301.00	0.00	0.00000	1.00000	39.58
84.5	0.00	0.00	0.00000	1.00000	39.58

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1900 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	105,447,894.15	3,077.37	0.00003	0.99997	100.00
0.5	95,824,425.05	6,008.91	0.00006	0.99994	100.00
1.5	92,428,636.17	505.40	0.00001	0.99999	99.99
2.5	84,833,623.60	483.78	0.00001	0.99999	99.99
3.5	83,655,156.69	1,409.63	0.00002	0.99998	99.99
4.5	60,837,862.61	10,479.19	0.00017	0.99983	99.99
5.5	41,167,292.68	1,644.03	0.00004	0.99996	99.97
6.5	39,041,671.39	159,638.31	0.00409	0.99591	99.97
7.5	37,032,179.43	72,390.82	0.00195	0.99805	99.56
8.5	34,726,621.99	3,641.62	0.00010	0.99990	99.36
9.5	32,239,331.15	19,206.44	0.00060	0.99940	99.35
10.5	30,646,489.62	2,667.43	0.00009	0.99991	99.29
11.5	29,225,496.30	31,044.58	0.00106	0.99894	99.28
12.5	27,541,376.72	147,054.04	0.00534	0.99466	99.18
13.5	24,683,116.86	11,296.55	0.00046	0.99954	98.65
14.5	23,113,612.27	210,592.40	0.00911	0.99089	98.60
15.5	21,695,887.81	157,973.23	0.00728	0.99272	97.71
16.5	20,323,190.21	977,018.90	0.04807	0.95193	97.00
17.5	19,384,744.91	392,194.53	0.02023	0.97977	92.33
18.5	18,247,111.44	111,132.52	0.00609	0.99391	90.46
19.5	17,697,287.96	347,465.20	0.01963	0.98037	89.91
20.5	17,231,924.54	122,997.16	0.00714	0.99286	88.15
21.5	15,140,139.39	120,014.96	0.00793	0.99207	87.52
22.5	14,885,553.65	86,219.18	0.00579	0.99421	86.83
23.5	14,841,947.80	72,869.47	0.00491	0.99509	86.32
24.5	14,400,277.27	41,730.44	0.00290	0.99710	85.90
25.5	13,812,610.70	104,278.89	0.00755	0.99245	85.65
26.5	12,328,690.74	99,672.34	0.00808	0.99192	85.00
27.5	12,397,364.52	77,770.17	0.00627	0.99373	84.32
28.5	12,082,908.14	27,259.03	0.00226	0.99774	83.79
29.5	10,499,431.42	131,401.30	0.01252	0.98748	83.60
30.5	10,175,392.47	66,275.45	0.00651	0.99349	82.55
31.5	9,548,002.59	79,589.74	0.00834	0.99166	82.01
32.5	9,194,879.13	28,049.31	0.00305	0.99695	81.33
33.5	8,908,861.24	178,373.18	0.02002	0.97998	81.08
34.5	9,934,803.82	483,045.24	0.04862	0.95138	79.46
35.5	9,662,662.56	248,485.40	0.02572	0.97428	75.60
36.5	9,185,712.82	364,094.23	0.03964	0.96036	73.65
37.5	8,465,278.60	114,732.58	0.01355	0.98645	70.73
38.5	7,886,048.87	356,836.30	0.04525	0.95475	69.77
39.5	7,319,192.58	146,895.36	0.02007	0.97993	66.62
40.5	7,107,347.25	9,475.12	0.00133	0.99867	65.28
41.5	6,913,841.28	51,992.69	0.00752	0.99248	65.19
42.5	6,855,235.07	134,393.30	0.01960	0.98040	64.70
43.5	6,318,427.78	57,279.72	0.00907	0.99093	63.43
44.5	3,479,607.83	4,598.44	0.00132	0.99868	62.86
45.5	2,730,324.60	26,231.54	0.00961	0.99039	62.78
46.5	2,688,773.81	24,770.15	0.00921	0.99079	62.17
47.5	1,596,358.04	12,943.01	0.00811	0.99189	61.60
48.5	1,524,304.49	6,399.99	0.00420	0.99580	61.10
49.5	1,556,362.41	18,169.38	0.01167	0.98833	60.84
50.5	1,391,152.65	30,701.48	0.02207	0.97793	60.13
51.5	1,336,525.06	18,430.13	0.01379	0.98621	58.81
52.5	1,312,568.57	8,379.31	0.00638	0.99362	58.00

Scenario: So Cal Gas Actuarial @ 2020
Account: 351x-Structures & Improvements
Placement Band: 1900 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,278,548.27	10,096.60	0.00790	0.99210	57.63
54.5	1,261,022.88	14,806.29	0.01174	0.98826	57.17
55.5	1,196,449.28	8,042.17	0.00672	0.99328	56.50
56.5	1,148,421.67	13,288.78	0.01157	0.98843	56.12
57.5	1,109,708.73	21,788.21	0.01963	0.98037	55.47
58.5	1,081,631.65	5,987.11	0.00554	0.99446	54.38
59.5	1,067,697.65	0.03	0.00000	1.00000	54.08
60.5	1,063,581.27	1.85	0.00000	1.00000	54.08
61.5	1,053,088.51	5,322.06	0.00505	0.99495	54.08
62.5	1,042,786.17	0.00	0.00000	1.00000	53.81
63.5	981,862.19	2,358.40	0.00240	0.99760	53.81
64.5	538,273.42	743.40	0.00138	0.99862	53.68
65.5	198,774.13	110.47	0.00056	0.99944	53.60
66.5	198,284.66	0.00	0.00000	1.00000	53.57
67.5	190,509.66	0.00	0.00000	1.00000	53.57
68.5	165,947.74	2,852.70	0.01719	0.98281	53.57
69.5	161,981.04	0.00	0.00000	1.00000	52.65
70.5	159,673.04	0.00	0.00000	1.00000	52.65
71.5	130,844.04	1,675.04	0.01280	0.98720	52.65
72.5	125,552.00	13,394.93	0.10669	0.89331	51.98
73.5	109,048.07	0.00	0.00000	1.00000	46.43
74.5	108,012.07	0.00	0.00000	1.00000	46.43
75.5	82,592.00	0.00	0.00000	1.00000	46.43
76.5	82,592.00	0.00	0.00000	1.00000	46.43
77.5	72,237.80	0.00	0.00000	1.00000	46.43
78.5	63,829.80	0.00	0.00000	1.00000	46.43
79.5	6,829.30	0.00	0.00000	1.00000	46.43
80.5	6,829.30	0.00	0.00000	1.00000	46.43
81.5	1,172.00	0.00	0.00000	1.00000	46.43
82.5	1,172.00	0.00	0.00000	1.00000	46.43
83.5	301.00	0.00	0.00000	1.00000	46.43
84.5	0.00	0.00	0.00000	1.00000	46.43

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1961 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	91,459,687.18	0.00	0.00000	1.00000	100.00
0.5	82,300,435.90	0.00	0.00000	1.00000	100.00
1.5	78,782,721.82	0.00	0.00000	1.00000	100.00
2.5	71,433,971.65	0.00	0.00000	1.00000	100.00
3.5	70,792,804.04	0.00	0.00000	1.00000	100.00
4.5	47,500,351.85	9,574.84	0.00020	0.99980	100.00
5.5	27,028,141.33	0.00	0.00000	1.00000	99.98
6.5	26,795,218.78	156,659.36	0.00585	0.99415	99.98
7.5	24,528,979.42	0.00	0.00000	1.00000	99.40
8.5	22,542,030.37	0.00	0.00000	1.00000	99.40
9.5	20,254,572.44	15,151.80	0.00075	0.99925	99.40
10.5	19,161,590.53	0.00	0.00000	1.00000	99.32
11.5	19,682,194.89	24,576.69	0.00125	0.99875	99.32
12.5	18,311,713.37	131,437.37	0.00718	0.99282	99.20
13.5	15,978,811.68	6,558.94	0.00041	0.99959	98.48
14.5	13,129,763.61	54,858.76	0.00418	0.99582	98.44
15.5	12,506,174.95	137,992.84	0.01103	0.98897	98.03
16.5	12,330,116.93	950,322.87	0.07707	0.92293	96.95
17.5	10,256,691.79	376,531.48	0.03671	0.96329	89.48
18.5	9,538,597.00	25,973.44	0.00272	0.99728	86.20
19.5	9,704,366.32	319,194.95	0.03289	0.96711	85.96
20.5	9,519,056.78	111,964.56	0.01176	0.98824	83.13
21.5	7,658,099.66	57,573.27	0.00752	0.99248	82.16
22.5	7,930,367.67	76,208.96	0.00961	0.99039	81.54
23.5	7,945,767.38	66,843.68	0.00841	0.99159	80.75
24.5	7,872,366.97	19,404.33	0.00246	0.99754	80.08
25.5	7,375,829.49	94,471.42	0.01281	0.98719	79.88
26.5	6,067,080.49	90,004.83	0.01483	0.98517	78.86
27.5	5,785,481.60	25,879.33	0.00447	0.99553	77.69
28.5	5,934,751.62	8,618.85	0.00145	0.99855	77.34
29.5	7,504,465.19	100,189.03	0.01335	0.98665	77.23
30.5	7,375,792.45	8,470.32	0.00115	0.99885	76.20
31.5	6,846,985.02	22,127.90	0.00323	0.99677	76.11
32.5	8,131,732.00	22,636.26	0.00278	0.99722	75.86
33.5	7,829,077.75	170,530.62	0.02178	0.97822	75.65
34.5	7,180,800.71	436,787.60	0.06083	0.93917	74.00
35.5	6,580,703.21	99,821.47	0.01517	0.98483	69.50
36.5	6,294,481.84	131,386.20	0.02087	0.97913	68.45
37.5	5,810,773.64	7,140.50	0.00123	0.99877	67.02
38.5	5,595,415.95	79,373.88	0.01419	0.98581	66.94
39.5	5,312,556.90	52,231.48	0.00983	0.99017	65.99
40.5	5,243,708.21	0.00	0.00000	1.00000	65.34
41.5	5,053,719.60	5,590.56	0.00111	0.99889	65.34
42.5	5,068,435.20	105,603.76	0.02084	0.97916	65.27
43.5	4,573,871.80	41,574.61	0.00909	0.99091	63.91
44.5	1,760,915.23	0.00	0.00000	1.00000	63.32
45.5	1,596,651.63	11,368.45	0.00712	0.99288	63.32
46.5	1,569,963.93	0.00	0.00000	1.00000	62.87
47.5	475,799.64	0.00	0.00000	1.00000	62.87
48.5	402,768.29	0.00	0.00000	1.00000	62.87
49.5	352,212.09	0.00	0.00000	1.00000	62.87
50.5	205,171.71	0.00	0.00000	1.00000	62.87
51.5	169,449.35	0.00	0.00000	1.00000	62.87
52.5	163,922.99	0.00	0.00000	1.00000	62.87

Observed Life Table Deprecation Workpapers

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1961 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	137,197.88	0.00	0.00000	1.00000	62.87
54.5	129,412.67	0.00	0.00000	1.00000	62.87
55.5	79,645.36	0.00	0.00000	1.00000	62.87
56.5	39,659.92	0.00	0.00000	1.00000	62.87
57.5	14,235.76	0.00	0.00000	1.00000	62.87
58.5	7,946.89	0.00	0.00000	1.00000	62.87
59.5	0.00	0.00	0.00000	0.00000	62.87

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	120,263,011.80	4,787.24	0.00004	0.99996	100.00
0.5	110,433,040.42	8,585.58	0.00008	0.99992	100.00
1.5	106,268,949.42	19,731.45	0.00019	0.99981	99.99
2.5	97,545,580.15	2,759.13	0.00003	0.99997	99.97
3.5	95,784,926.10	3,323.04	0.00003	0.99997	99.97
4.5	71,642,016.93	31,528.00	0.00044	0.99956	99.96
5.5	50,859,839.72	5,103.31	0.00010	0.99990	99.92
6.5	48,349,891.81	162,620.04	0.00336	0.99664	99.91
7.5	45,873,985.45	79,757.95	0.00174	0.99826	99.57
8.5	43,302,420.63	14,675.12	0.00034	0.99966	99.40
9.5	40,355,157.35	31,780.68	0.00079	0.99921	99.37
10.5	38,596,179.65	15,440.41	0.00040	0.99960	99.29
11.5	36,809,519.85	42,500.67	0.00115	0.99885	99.25
12.5	35,106,146.60	164,629.57	0.00469	0.99531	99.13
13.5	31,799,411.00	23,036.99	0.00072	0.99928	98.67
14.5	26,964,438.04	241,187.76	0.00894	0.99106	98.60
15.5	25,336,664.57	165,846.99	0.00655	0.99345	97.72
16.5	23,867,427.68	983,275.87	0.04120	0.95880	97.08
17.5	21,144,906.73	400,429.29	0.01894	0.98106	93.08
18.5	19,880,237.90	120,894.35	0.00608	0.99392	91.31
19.5	19,247,000.31	357,820.16	0.01859	0.98141	90.76
20.5	18,553,050.79	145,595.01	0.00785	0.99215	89.07
21.5	16,396,291.40	459,028.63	0.02800	0.97200	88.37
22.5	15,792,828.69	216,551.70	0.01371	0.98629	85.90
23.5	15,432,943.36	80,011.58	0.00518	0.99482	84.72
24.5	14,964,057.10	46,624.75	0.00312	0.99688	84.28
25.5	14,302,340.66	118,036.48	0.00825	0.99175	84.02
26.5	12,740,052.55	102,726.97	0.00806	0.99194	83.33
27.5	12,421,830.52	77,918.32	0.00627	0.99373	82.65
28.5	12,097,880.78	27,380.62	0.00226	0.99774	82.14
29.5	10,499,431.42	131,401.30	0.01252	0.98748	81.95
30.5	10,151,551.81	66,020.59	0.00650	0.99350	80.92
31.5	9,497,020.86	78,125.78	0.00823	0.99177	80.40
32.5	9,118,451.21	24,540.64	0.00269	0.99731	79.74
33.5	8,737,689.23	172,944.56	0.01979	0.98021	79.52
34.5	7,902,210.05	442,060.18	0.05594	0.94406	77.95
35.5	7,088,981.32	99,959.79	0.01410	0.98590	73.59
36.5	6,759,225.27	134,472.80	0.01989	0.98011	72.55
37.5	6,254,468.11	7,140.50	0.00114	0.99886	71.11
38.5	5,736,740.83	79,373.88	0.01384	0.98616	71.03
39.5	5,445,173.57	52,231.48	0.00959	0.99041	70.04
40.5	5,323,353.57	0.00	0.00000	1.00000	69.37
41.5	5,093,379.52	5,590.56	0.00110	0.99890	69.37
42.5	5,082,670.96	105,603.76	0.02078	0.97922	69.30
43.5	4,581,818.69	41,574.61	0.00907	0.99093	67.86
44.5	1,760,915.23	0.00	0.00000	1.00000	67.24
45.5	1,596,651.63	11,368.45	0.00712	0.99288	67.24
46.5	1,569,963.93	0.00	0.00000	1.00000	66.76
47.5	475,799.64	0.00	0.00000	1.00000	66.76
48.5	402,768.29	0.00	0.00000	1.00000	66.76
49.5	352,212.09	0.00	0.00000	1.00000	66.76
50.5	205,171.71	0.00	0.00000	1.00000	66.76
51.5	169,449.35	0.00	0.00000	1.00000	66.76
52.5	163,922.99	0.00	0.00000	1.00000	66.76

Observed Life Table Deprecation Workpapers

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	137,197.88	0.00	0.00000	1.00000	66.76
54.5	129,412.67	0.00	0.00000	1.00000	66.76
55.5	79,645.36	0.00	0.00000	1.00000	66.76
56.5	39,659.92	0.00	0.00000	1.00000	66.76
57.5	14,235.76	0.00	0.00000	1.00000	66.76
58.5	7,946.89	0.00	0.00000	1.00000	66.76
59.5	0.00	0.00	0.00000	0.00000	66.76

Scenario: So Cal Gas Actuarial @ 2020
Account: 351x-Structures & Improvements
Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	105,447,894.15	3,077.37	0.00003	0.99997	100.00
0.5	95,824,425.05	6,008.91	0.00006	0.99994	100.00
1.5	92,428,636.17	505.40	0.00001	0.99999	99.99
2.5	84,833,623.60	483.78	0.00001	0.99999	99.99
3.5	83,655,156.69	1,409.63	0.00002	0.99998	99.99
4.5	60,837,862.61	10,479.19	0.00017	0.99983	99.99
5.5	41,167,292.68	1,644.03	0.00004	0.99996	99.97
6.5	39,041,671.39	159,638.31	0.00409	0.99591	99.97
7.5	37,032,179.43	72,390.82	0.00195	0.99805	99.56
8.5	34,726,621.99	3,641.62	0.00010	0.99990	99.36
9.5	32,239,331.15	19,206.44	0.00060	0.99940	99.35
10.5	30,646,489.62	2,667.43	0.00009	0.99991	99.29
11.5	29,225,496.30	31,044.58	0.00106	0.99894	99.28
12.5	27,541,376.72	147,054.04	0.00534	0.99466	99.18
13.5	24,683,116.86	11,296.55	0.00046	0.99954	98.65
14.5	23,113,612.27	210,592.40	0.00911	0.99089	98.60
15.5	21,695,887.81	157,973.23	0.00728	0.99272	97.71
16.5	20,323,190.21	977,018.90	0.04807	0.95193	97.00
17.5	19,384,744.91	392,194.53	0.02023	0.97977	92.33
18.5	18,247,111.44	111,132.52	0.00609	0.99391	90.46
19.5	17,697,287.96	347,465.20	0.01963	0.98037	89.91
20.5	17,231,924.54	122,997.16	0.00714	0.99286	88.15
21.5	15,140,139.39	120,014.96	0.00793	0.99207	87.52
22.5	14,885,553.65	86,219.18	0.00579	0.99421	86.83
23.5	14,841,947.80	72,869.47	0.00491	0.99509	86.32
24.5	14,400,277.27	41,730.44	0.00290	0.99710	85.90
25.5	13,812,610.70	104,278.89	0.00755	0.99245	85.65
26.5	12,328,690.74	99,672.34	0.00808	0.99192	85.00
27.5	12,397,364.52	77,770.17	0.00627	0.99373	84.32
28.5	12,082,908.14	27,259.03	0.00226	0.99774	83.79
29.5	10,499,431.42	131,401.30	0.01252	0.98748	83.60
30.5	10,151,551.81	66,020.59	0.00650	0.99350	82.55
31.5	9,497,020.86	78,125.78	0.00823	0.99177	82.01
32.5	9,118,451.21	24,540.64	0.00269	0.99731	81.34
33.5	8,737,689.23	172,944.56	0.01979	0.98021	81.12
34.5	7,902,210.05	442,060.18	0.05594	0.94406	79.51
35.5	7,088,981.32	99,959.79	0.01410	0.98590	75.07
36.5	6,759,225.27	134,472.80	0.01989	0.98011	74.01
37.5	6,254,468.11	7,140.50	0.00114	0.99886	72.54
38.5	5,736,740.83	79,373.88	0.01384	0.98616	72.45
39.5	5,445,173.57	52,231.48	0.00959	0.99041	71.45
40.5	5,323,353.57	0.00	0.00000	1.00000	70.77
41.5	5,093,379.52	5,590.56	0.00110	0.99890	70.77
42.5	5,082,670.96	105,603.76	0.02078	0.97922	70.69
43.5	4,581,818.69	41,574.61	0.00907	0.99093	69.22
44.5	1,760,915.23	0.00	0.00000	1.00000	68.59
45.5	1,596,651.63	11,368.45	0.00712	0.99288	68.59
46.5	1,569,963.93	0.00	0.00000	1.00000	68.10
47.5	475,799.64	0.00	0.00000	1.00000	68.10
48.5	402,768.29	0.00	0.00000	1.00000	68.10
49.5	352,212.09	0.00	0.00000	1.00000	68.10
50.5	205,171.71	0.00	0.00000	1.00000	68.10
51.5	169,449.35	0.00	0.00000	1.00000	68.10
52.5	163,922.99	0.00	0.00000	1.00000	68.10

Observed Life Table Deprecation Workpapers

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	137,197.88	0.00	0.00000	1.00000	68.10
54.5	129,412.67	0.00	0.00000	1.00000	68.10
55.5	79,645.36	0.00	0.00000	1.00000	68.10
56.5	39,659.92	0.00	0.00000	1.00000	68.10
57.5	14,235.76	0.00	0.00000	1.00000	68.10
58.5	7,946.89	0.00	0.00000	1.00000	68.10
59.5	0.00	0.00	0.00000	0.00000	68.10

Scenario: So Cal Gas Actuarial @ 2020
Account: 351x-Structures & Improvements
Placement Band: 1991 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	91,459,687.18	0.00	0.00000	1.00000	100.00
0.5	82,300,435.90	0.00	0.00000	1.00000	100.00
1.5	78,782,721.82	0.00	0.00000	1.00000	100.00
2.5	71,433,971.65	0.00	0.00000	1.00000	100.00
3.5	70,792,804.04	0.00	0.00000	1.00000	100.00
4.5	47,500,351.85	9,574.84	0.00020	0.99980	100.00
5.5	27,028,141.33	0.00	0.00000	1.00000	99.98
6.5	26,795,218.78	156,659.36	0.00585	0.99415	99.98
7.5	24,528,979.42	0.00	0.00000	1.00000	99.40
8.5	22,542,030.37	0.00	0.00000	1.00000	99.40
9.5	20,254,572.44	15,151.80	0.00075	0.99925	99.40
10.5	19,161,590.53	0.00	0.00000	1.00000	99.32
11.5	19,682,194.89	24,576.69	0.00125	0.99875	99.32
12.5	18,311,713.37	131,437.37	0.00718	0.99282	99.20
13.5	15,978,811.68	6,558.94	0.00041	0.99959	98.48
14.5	13,129,763.61	54,858.76	0.00418	0.99582	98.44
15.5	12,307,097.64	137,992.84	0.01121	0.98879	98.03
16.5	11,542,529.26	950,322.87	0.08233	0.91767	96.93
17.5	8,982,744.47	376,531.48	0.04192	0.95808	88.95
18.5	7,844,084.16	0.00	0.00000	1.00000	85.22
19.5	7,352,977.92	263,961.12	0.03590	0.96410	85.22
20.5	6,814,162.44	0.00	0.00000	1.00000	82.16
21.5	4,816,325.06	48,807.54	0.01013	0.98987	82.16
22.5	4,739,510.44	76,208.96	0.01608	0.98392	81.33
23.5	4,519,967.85	31,696.97	0.00701	0.99299	80.02
24.5	4,099,396.20	6,999.39	0.00171	0.99829	79.46
25.5	3,477,305.12	56,727.27	0.01631	0.98369	79.33
26.5	1,976,326.22	0.00	0.00000	1.00000	78.03
27.5	1,777,110.16	0.00	0.00000	1.00000	78.03
28.5	1,533,171.74	0.00	0.00000	1.00000	78.03
29.5	0.00	0.00	0.00000	0.00000	78.03

Scenario: So Cal Gas Actuarial @ 2020

Account: 351x-Structures & Improvements

Placement Band: 1991 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	105,447,894.15	3,077.37	0.00003	0.99997	100.00
0.5	95,619,632.64	6,005.19	0.00006	0.99994	100.00
1.5	91,458,122.03	464.25	0.00001	0.99999	99.99
2.5	82,754,019.96	287.86	0.00000	1.00000	99.99
3.5	80,995,837.18	919.82	0.00001	0.99999	99.99
4.5	56,855,331.23	9,620.87	0.00017	0.99983	99.99
5.5	36,095,061.15	55.50	0.00000	1.00000	99.97
6.5	33,590,161.05	156,885.33	0.00467	0.99533	99.97
7.5	31,119,989.40	70,026.48	0.00225	0.99775	99.51
8.5	28,558,156.05	0.00	0.00000	1.00000	99.28
9.5	25,625,567.89	15,151.80	0.00059	0.99941	99.28
10.5	23,883,219.07	0.00	0.00000	1.00000	99.22
11.5	22,117,480.70	27,056.69	0.00122	0.99878	99.22
12.5	20,449,879.49	137,790.93	0.00674	0.99326	99.10
13.5	17,790,476.86	6,558.94	0.00037	0.99963	98.43
14.5	13,129,763.61	54,858.76	0.00418	0.99582	98.40
15.5	12,307,097.64	137,992.84	0.01121	0.98879	97.99
16.5	11,542,529.26	950,322.87	0.08233	0.91767	96.89
17.5	8,982,744.47	376,531.48	0.04192	0.95808	88.91
18.5	7,844,084.16	0.00	0.00000	1.00000	85.18
19.5	7,352,977.92	263,961.12	0.03590	0.96410	85.18
20.5	6,814,162.44	0.00	0.00000	1.00000	82.13
21.5	4,816,325.06	48,807.54	0.01013	0.98987	82.13
22.5	4,739,510.44	76,208.96	0.01608	0.98392	81.29
23.5	4,519,967.85	31,696.97	0.00701	0.99299	79.99
24.5	4,099,396.20	6,999.39	0.00171	0.99829	79.43
25.5	3,477,305.12	56,727.27	0.01631	0.98369	79.29
26.5	1,976,326.22	0.00	0.00000	1.00000	78.00
27.5	1,777,110.16	0.00	0.00000	1.00000	78.00
28.5	1,533,171.74	0.00	0.00000	1.00000	78.00
29.5	0.00	0.00	0.00000	0.00000	78.00

Actuarial Life Analysis

Account: 351x-Structures & Improvements
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1900 - 1951
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -1951	51.5	0.00	0.05149643	L5	18.28
1948 -1952	52.5	0.00	0.02747228	S6	17.65
1949 -1953	53.5	0.00	0.08950199	S6	17.66
1950 -1954	54.5	0.00	0.11671723	S6	18.61
1951 -1955	55.5	0.00	0.07855622	R4	17.40
1952 -1956	56.5	7.27	0.38992096	L3	18.15
1953 -1957	57.5	11.18	0.71950535	L2	19.57
1954 -1958	58.5	23.33	1.40502638	L0	25.34
1955 -1959	59.5	31.45	1.63810064	L0	28.82
1956 -1960	60.5	25.90	1.20959180	L0	28.35
1957 -1961	61.5	54.75	0.66819915	L0	51.70
1958 -1962	62.5	73.52	0.25562048	R0.5	73.64
1959 -1963	63.5	42.55	0.76265267	L0	44.56
1960 -1964	64.5	40.96	0.80648242	L0	43.59
1961 -1965	65.5	54.75	0.55774846	L0	58.35
1962 -1966	66.5	64.52	0.44186091	L0	71.12
1963 -1967	67.5	50.22	0.67657965	L0	53.86
1964 -1968	68.5	70.78	0.30594057	R0.5	76.70
1965 -1969	69.5	70.03	0.28022214	R0.5	78.04
1966 -1970	70.5	77.52	0.16249215	R0.5	101.12
1967 -1971	71.5	69.38	0.32578255	R0.5	77.77
1968 -1972	72.5	72.75	0.20076640	L0	108.61
1969 -1973	73.5	71.12	0.22561463	L0	104.69
1970 -1974	74.5	73.04	0.19652684	L0	112.46
1971 -1975	75.5	77.96	0.14512062	R0.5	118.35
1972 -1976	76.5	84.84	0.07302297	R0.5	164.85
1973 -1977	77.5	91.48	0.02411291	R0.5	273.37
1974 -1978	78.5	91.91	0.01745207	R1	249.82
1975 -1979	79.5	59.06	0.44984205	L1	79.14
1976 -1980	80.5	61.73	0.40571760	L0.5	88.34
1977 -1981	81.5	59.26	0.39771091	L0	91.65
1978 -1982	82.5	55.54	0.48427425	L0.5	79.39
1979 -1983	83.5	45.48	0.60044002	L1	65.55
1980 -1984	84.5	40.08	0.69242397	L1	63.17
1981 -1985	85.5	6.53	0.23125466	L4	39.91
1982 -1986	86.5	1.31	0.02728464	S3	35.09
1983 -1987	87.5	1.58	0.02568031	S3	34.76
1984 -1988	88.5	0.97	0.12794648	L3	27.77
1985 -1989	89.5	1.40	0.11949029	L3	28.61
1986 -1990	90.5	3.95	0.36119069	L2.5	29.71
1987 -1991	91.5	8.68	0.97609202	L2	32.22
1988 -1992	92.5	11.55	1.28376839	L1.5	34.98
1989 -1993	93.5	14.94	0.51433407	L2.5	46.91
1990 -1994	94.5	15.05	0.58422209	L2.5	46.87

Actuarial Life Analysis

Account: 351x-Structures & Improvements
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1900 - 1995
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1991 -1995	95.5	5.63	0.19467426	L3	39.31
1992 -1996	96.5	6.62	0.22803045	L3	40.61
1993 -1997	97.5	11.94	0.57991195	L2.5	44.54
1994 -1998	98.5	25.45	0.95899597	L1.5	55.68
1995 -1999	99.5	29.61	1.10057575	L1	59.13
1996 -2000	100.5	83.79	0.08901212	R0.5	216.98
1997 -2001	101.5	86.50	0.06143402	R0.5	260.40
1998 -2002	102.5	82.46	0.12083442	R0.5	203.33
1999 -2003	103.5	95.81	0.01473648	R2	259.17
2000 -2004	104.5	89.26	0.08059539	R0.5	254.40
2001 -2005	105.5	87.35	0.14411796	R0.5	214.81
2002 -2006	106.5	87.65	0.13775392	R0.5	221.52
2003 -2007	107.5	72.83	0.53058043	R0.5	116.61
2004 -2008	108.5	39.28	0.50196302	L0	74.76
2005 -2009	109.5	40.99	0.49367662	L0	78.73
2006 -2010	110.5	58.83	0.81013019	L0	100.92
2007 -2011	111.5	51.52	1.58798178	L0	81.42
2008 -2012	112.5	54.94	1.80074298	L0	85.91
2009 -2013	113.5	61.60	2.01380641	L0	96.81
2010 -2014	114.5	49.06	1.97168747	L0	78.16
2011 -2015	115.5	45.72	2.08845157	L0	73.97
2012 -2016	116.5	46.88	1.41389626	L0	81.43
2013 -2017	117.5	58.33	1.02791230	L0	106.53
2014 -2018	118.5	44.44	1.23261554	L0	80.19
2015 -2019	119.5	43.98	0.85455581	L0	84.65
2016 -2020	120.5	49.33	0.63402501	L0	96.72

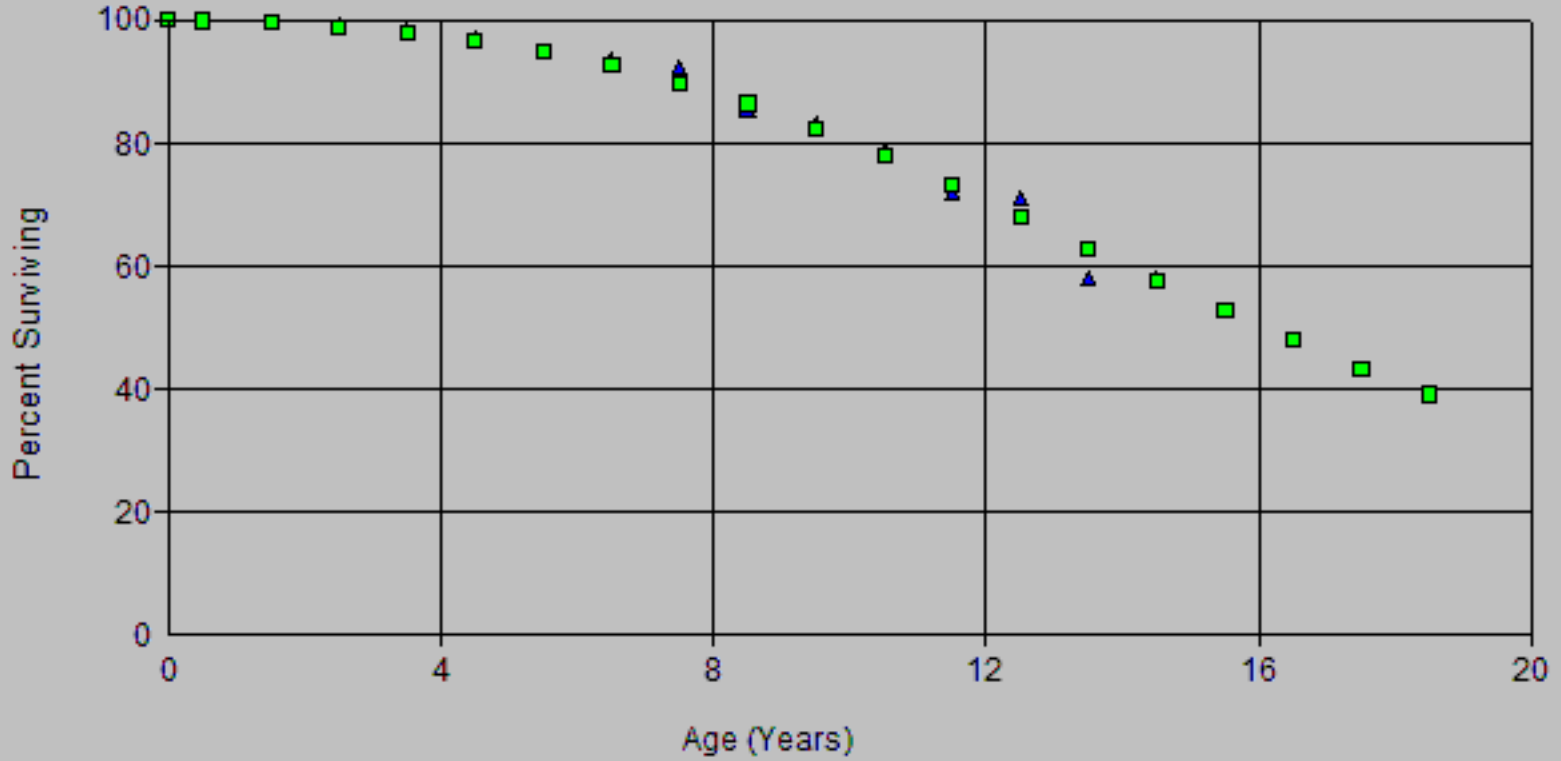
Actuarial Life Analysis

Account: 351x-Structures & Improvements
Scenario: So Cal Gas Actuarial @ 2020
Placement Band: 1900 - 2020
Function: Survivorship Annual Rate Method
Weighting: Unweighted
T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -2020	120.5	38.46	1.16973829	L0	74.29
1952 -2020	120.5	38.59	1.16742058	L0	74.50
1957 -2020	120.5	39.40	1.11883474	L0	76.34
1962 -2020	120.5	39.57	1.11027752	L0	76.66
1967 -2020	120.5	39.74	1.10001687	L0	76.97
1972 -2020	120.5	39.74	1.10010609	L0	76.96
1977 -2020	120.5	39.11	1.13722352	L0	75.68
1982 -2020	120.5	38.70	1.16377499	L0	74.87
1987 -2020	120.5	44.08	0.97348946	L0	83.29
1992 -2020	120.5	45.98	0.89057635	L0	86.86
1997 -2020	120.5	53.02	0.78101534	L0	98.91
2002 -2020	120.5	50.73	0.94444473	L0	93.12
2007 -2020	120.5	47.88	1.12615557	L0	87.02
2012 -2020	120.5	52.22	1.04400069	L0	94.95
2017 -2020	120.5	47.88	0.73547818	L0	95.47

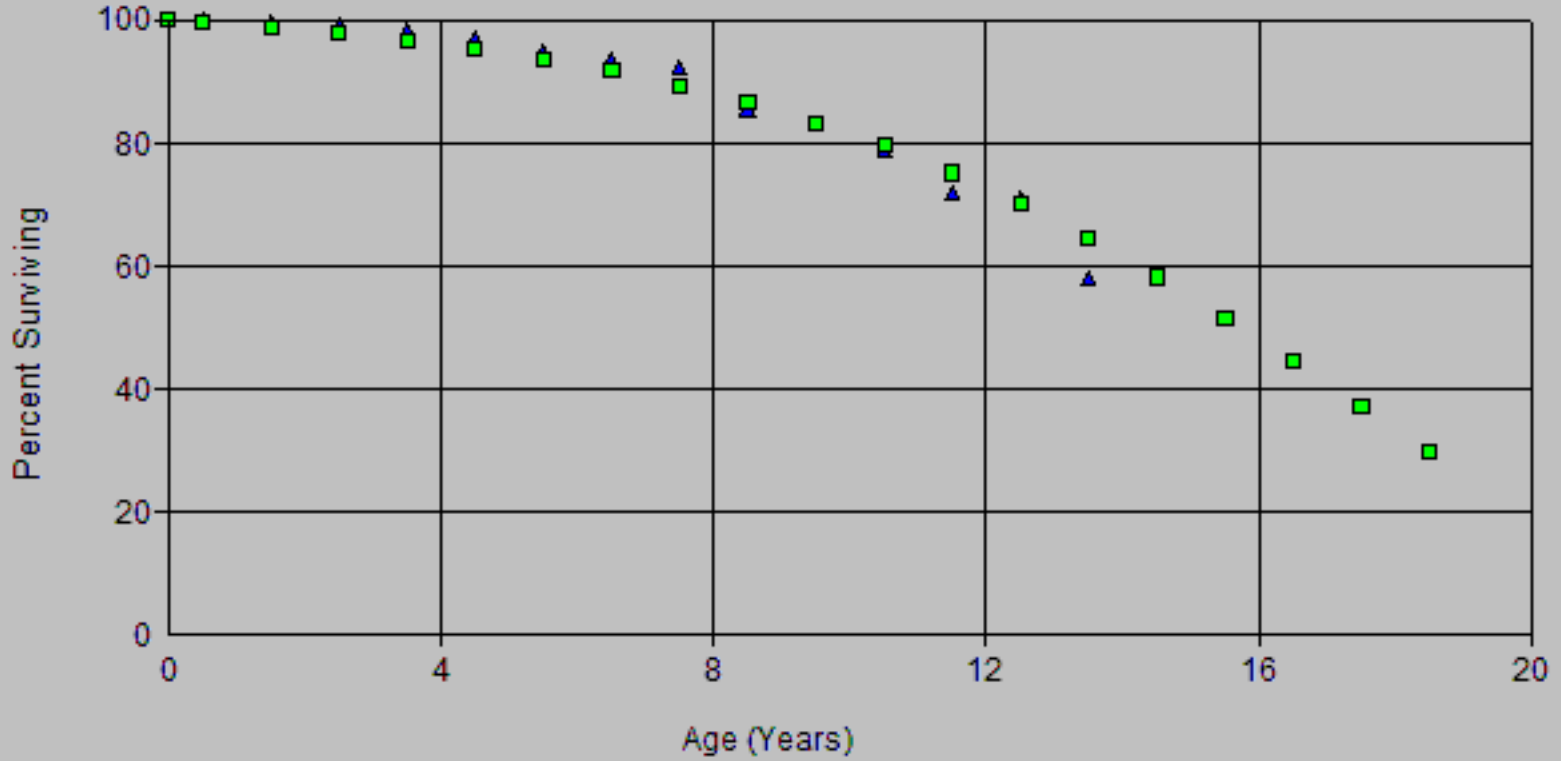
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L1.5 17.00



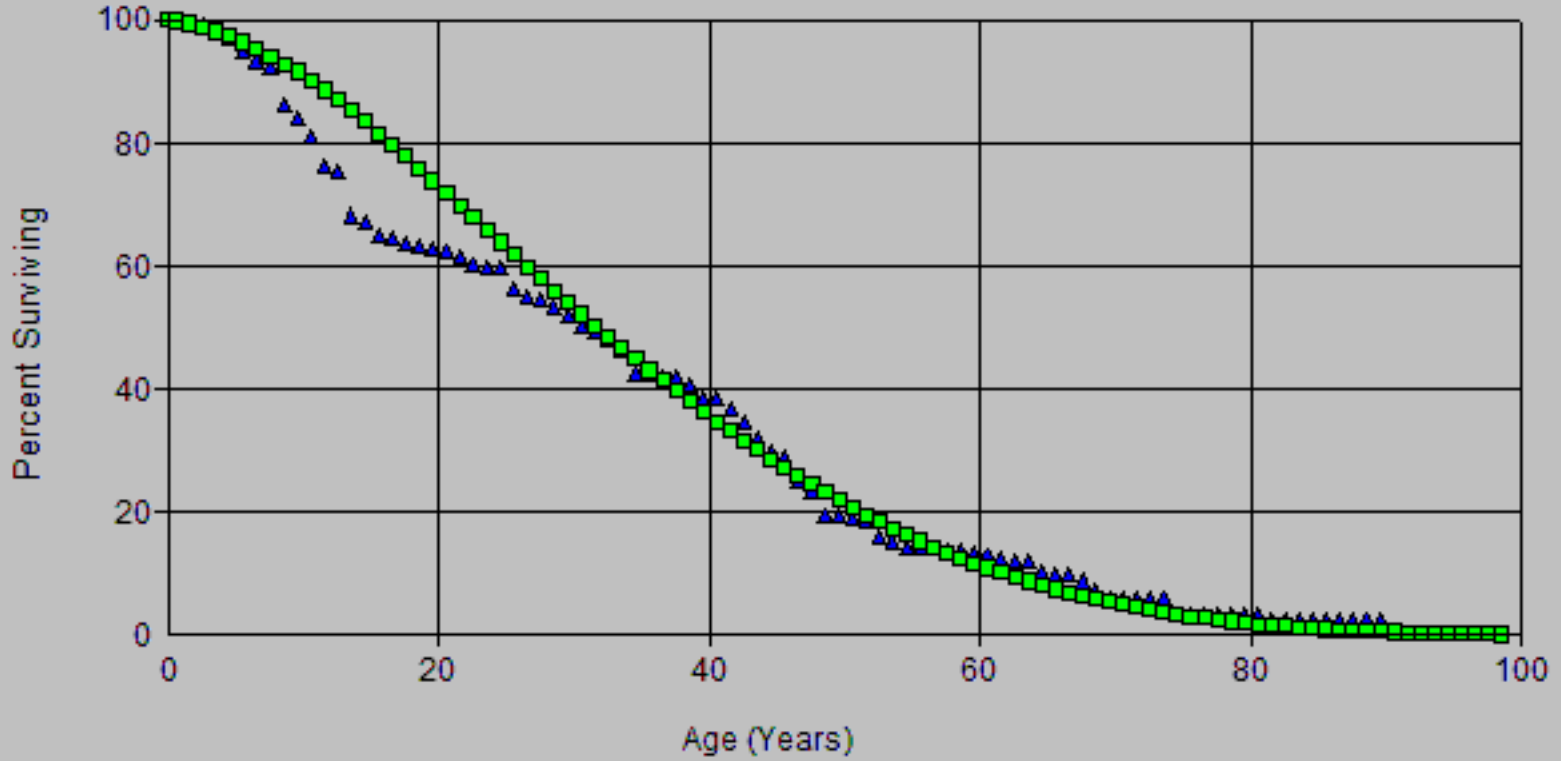
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R2 15.00



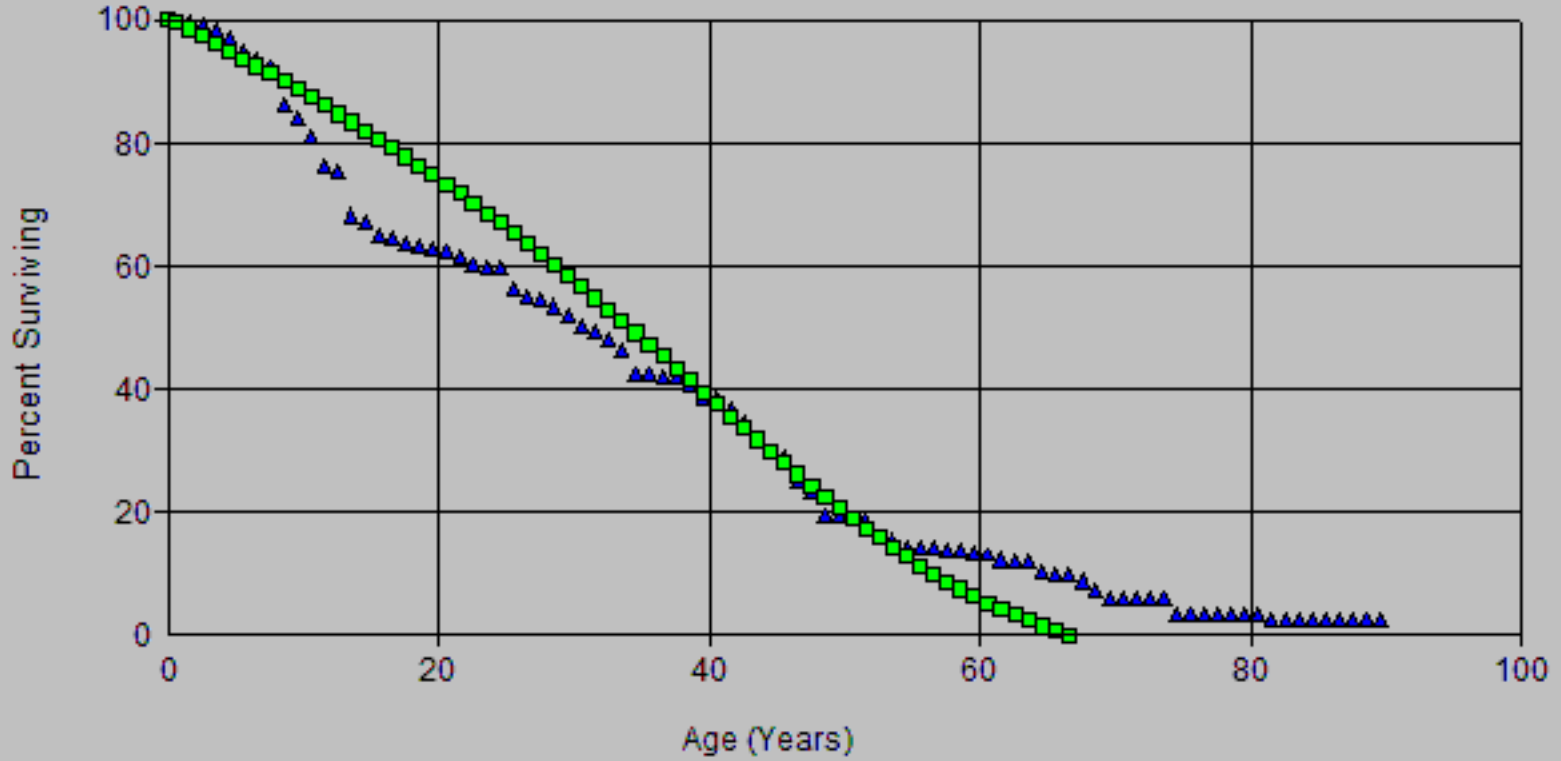
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 34.00



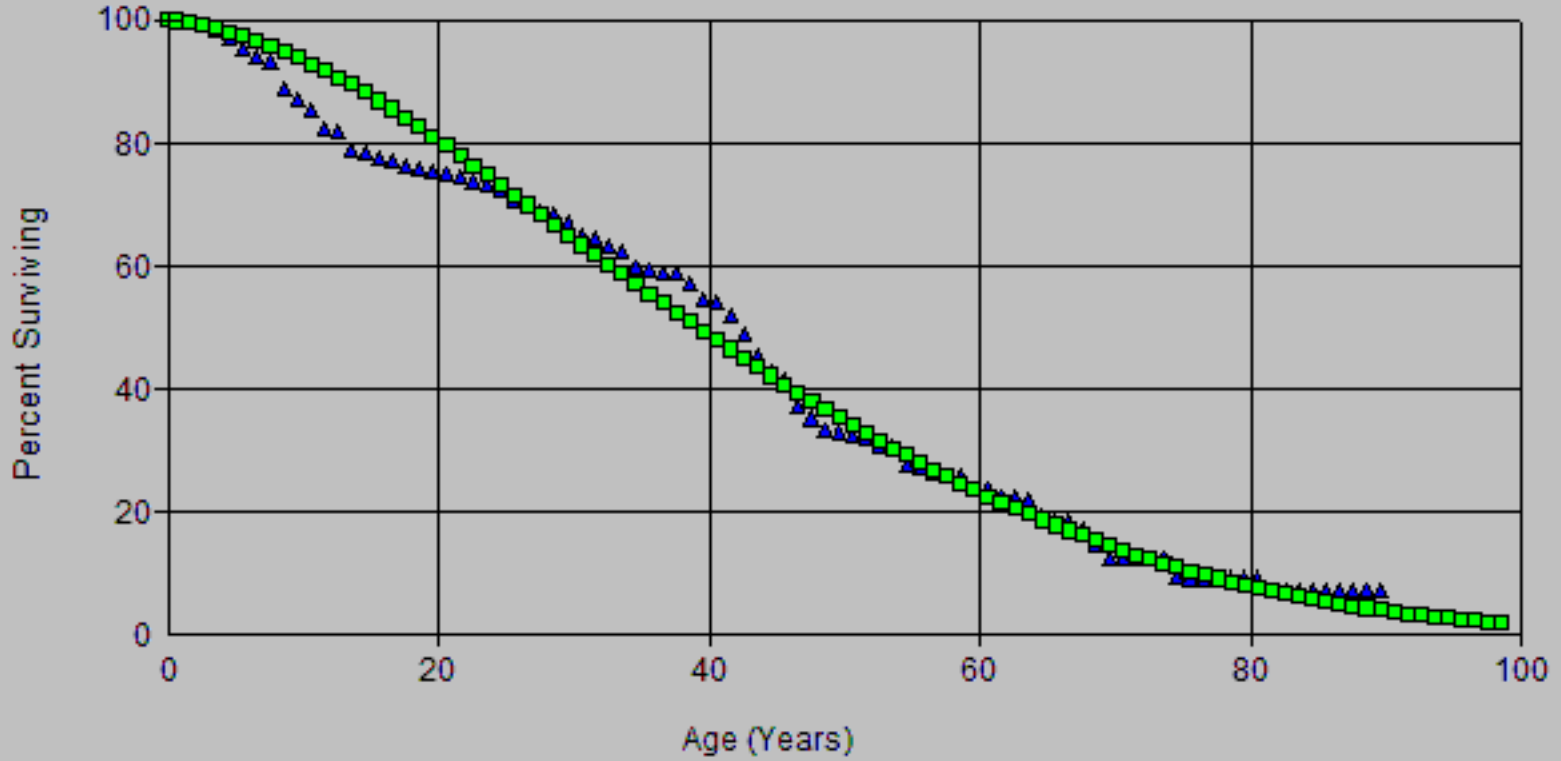
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 33.00



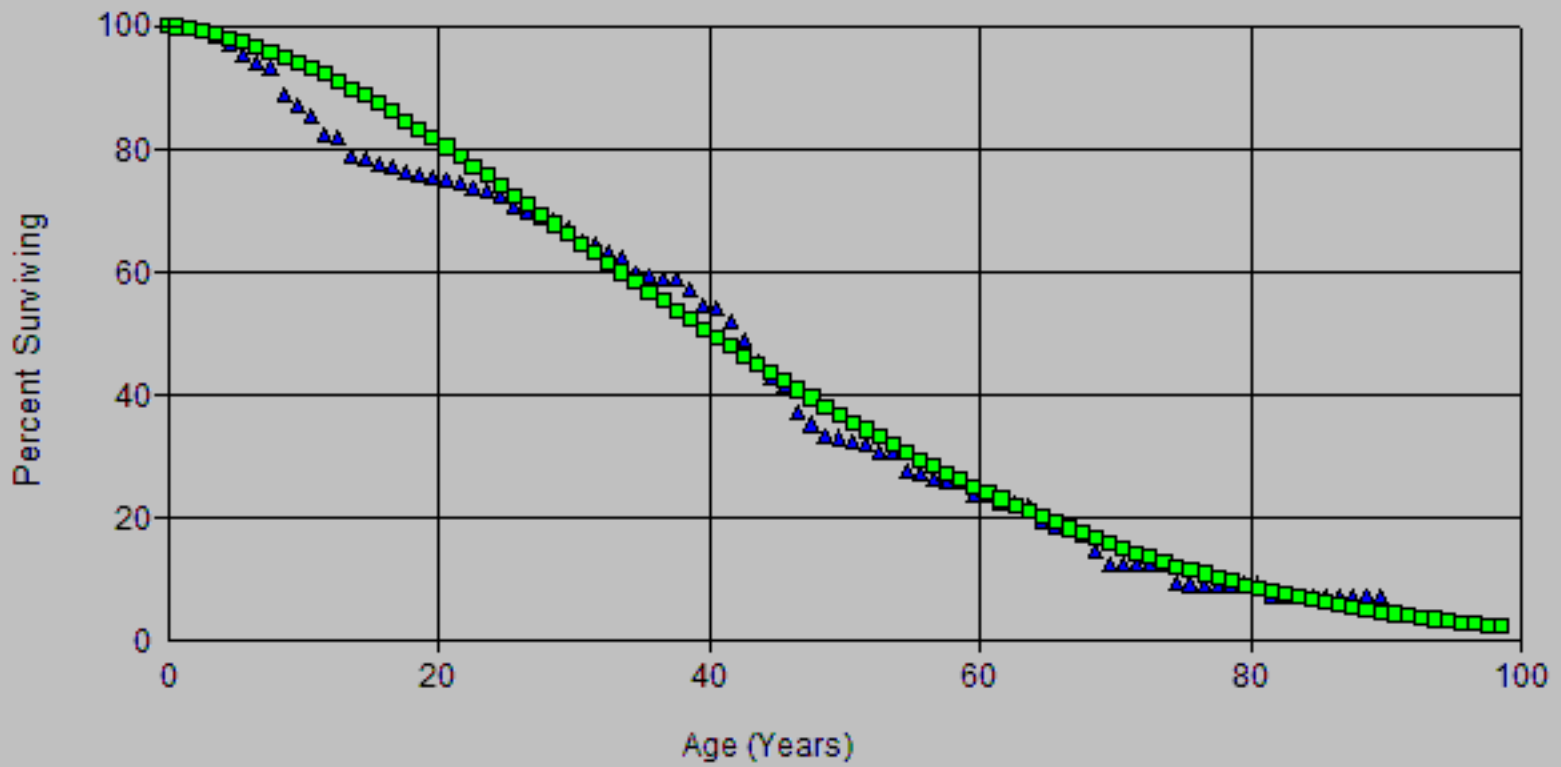
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 42.00



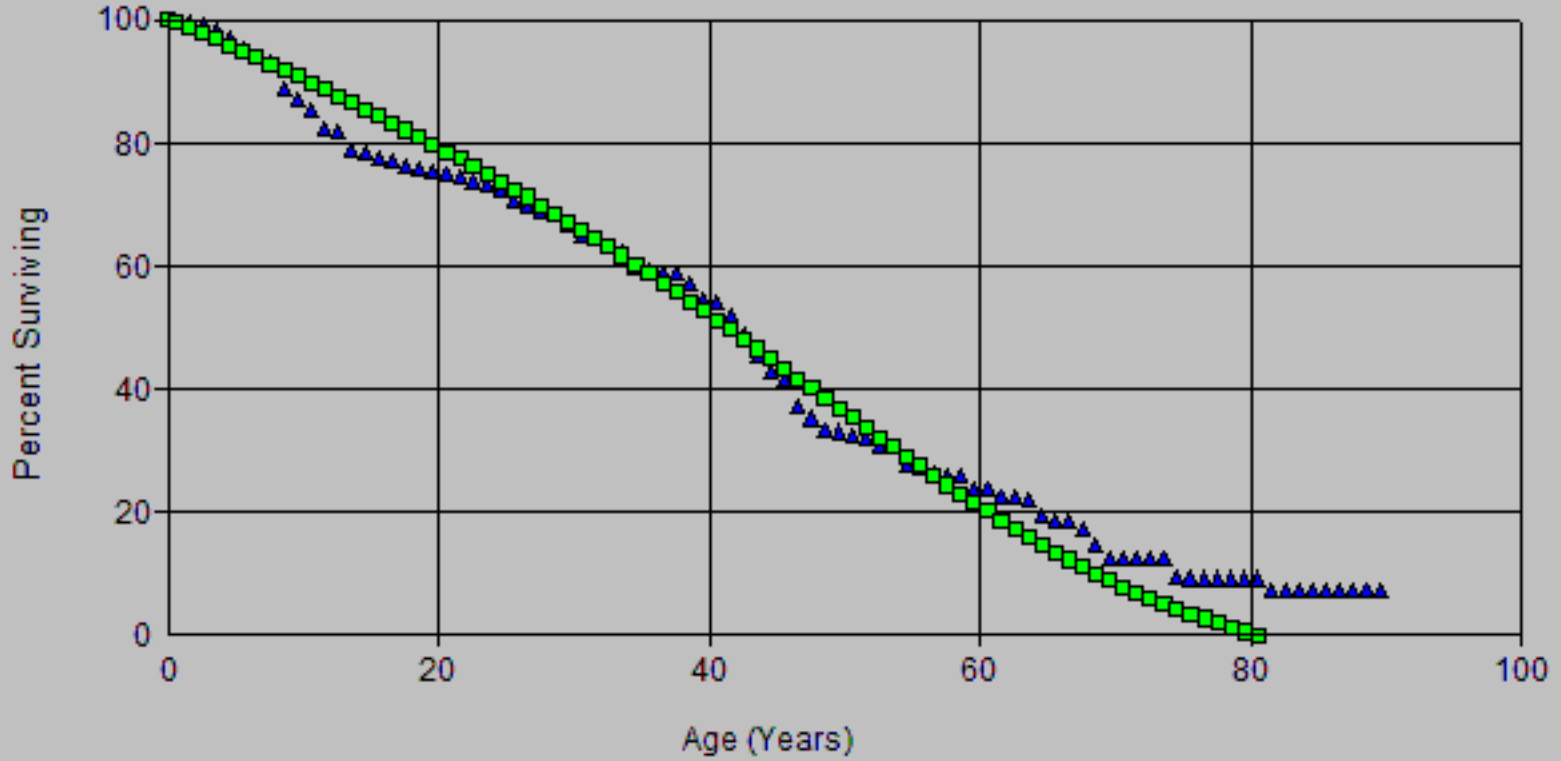
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 43.00



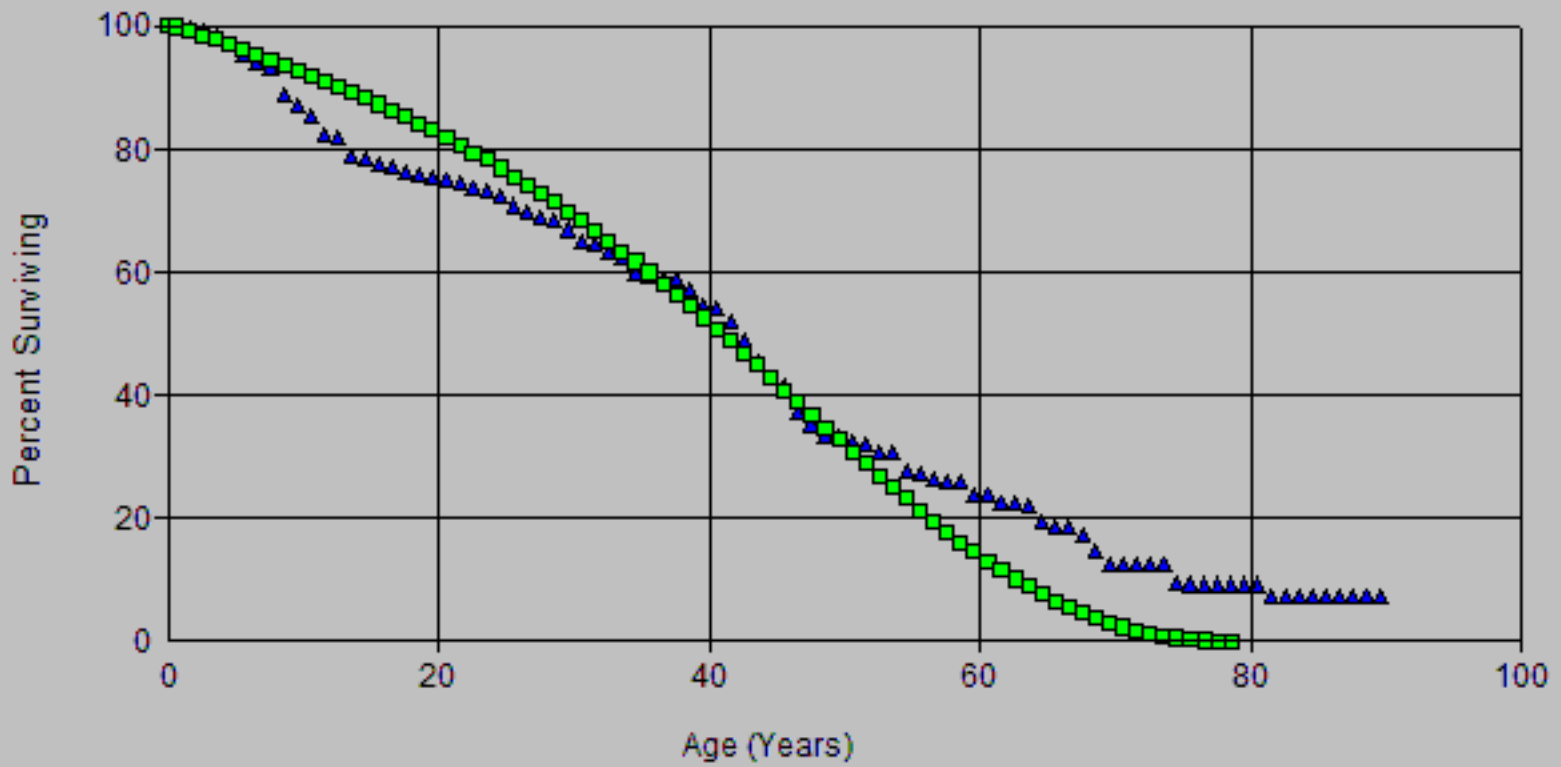
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 40.00



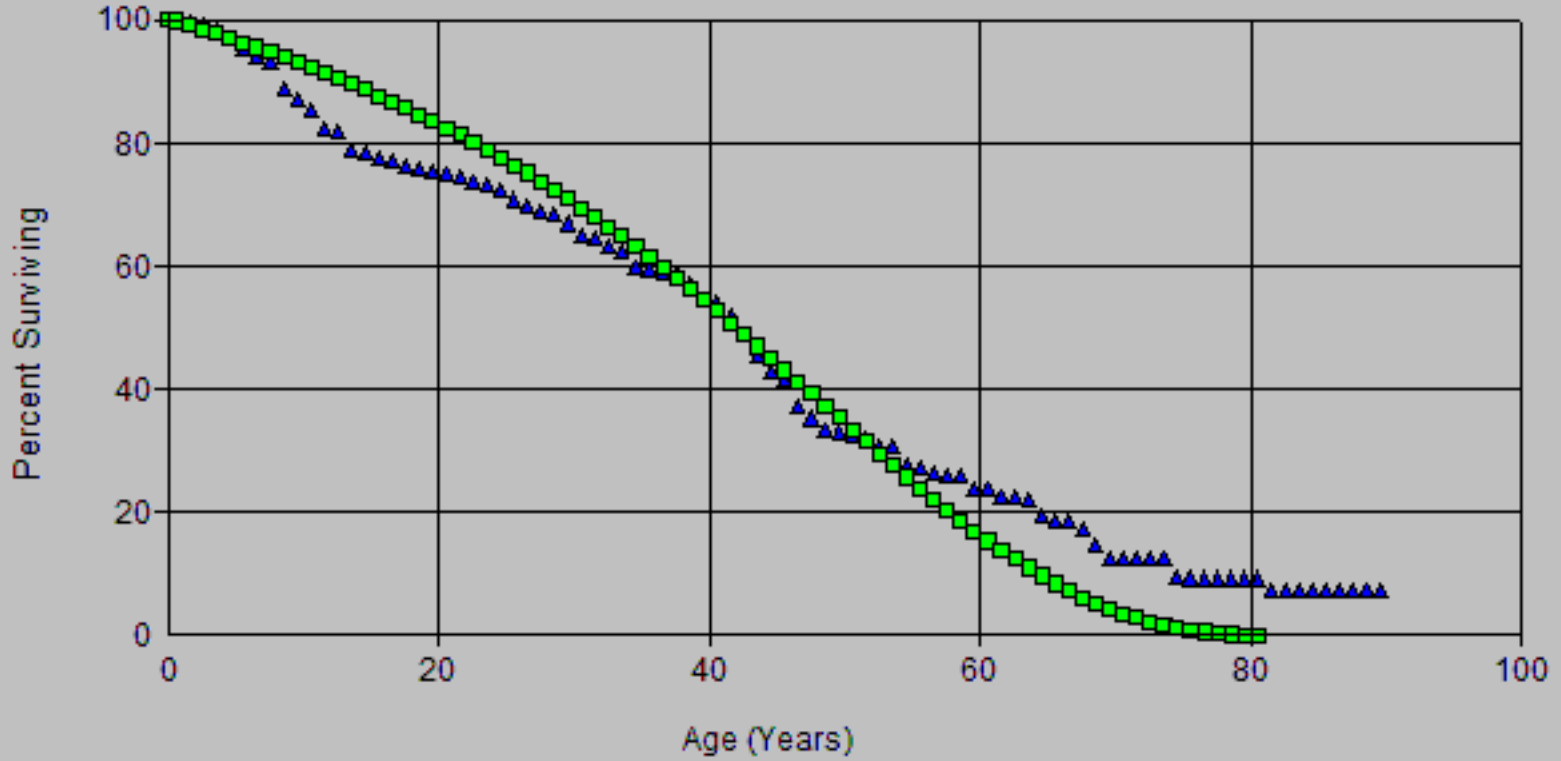
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R1 39.00



Scenario: So California Gas Actuarial @ 2020

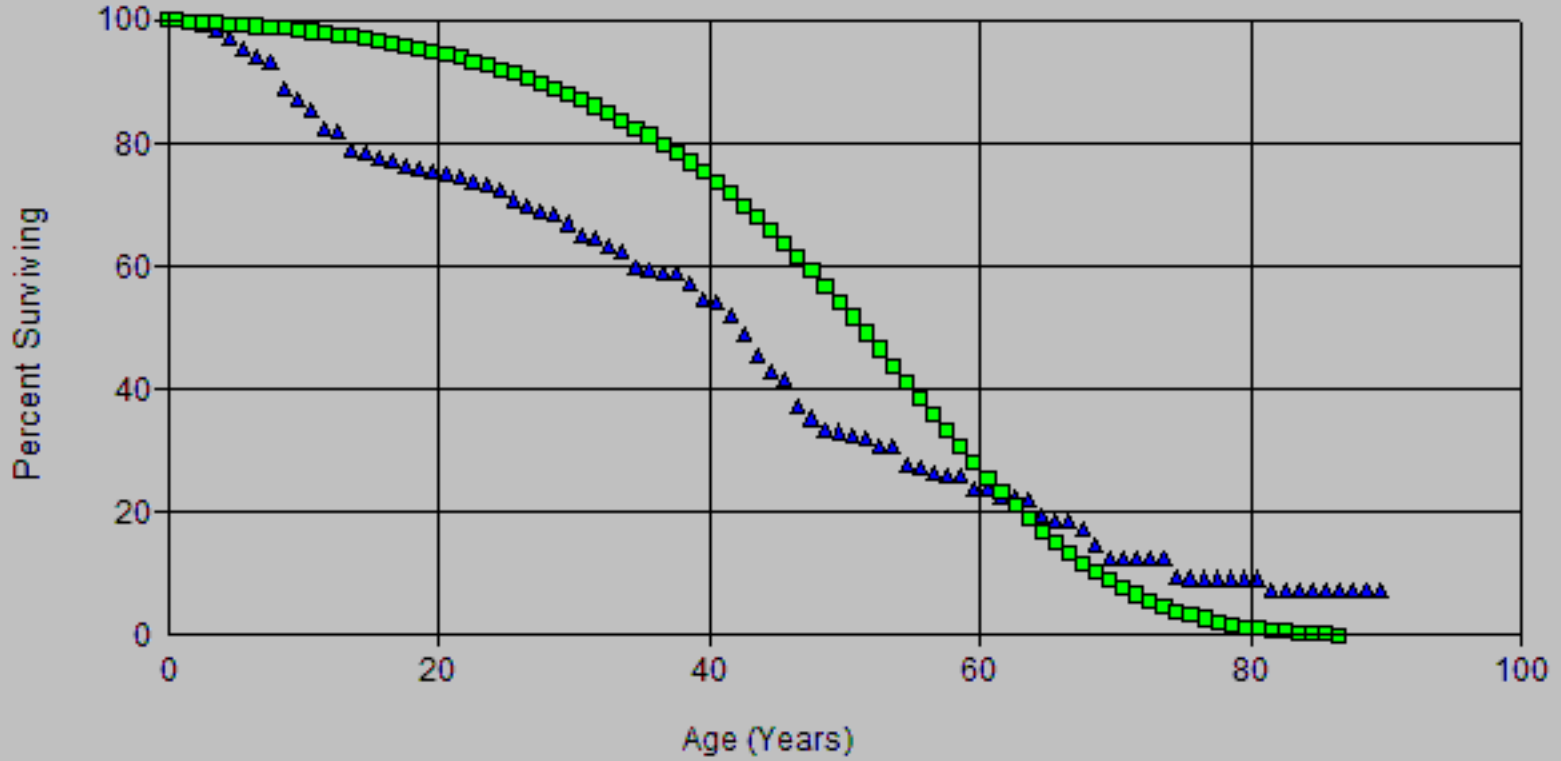
▲ Actual Data ■ R1 40.00



Scenario: So California Gas Actuarial @ 2020

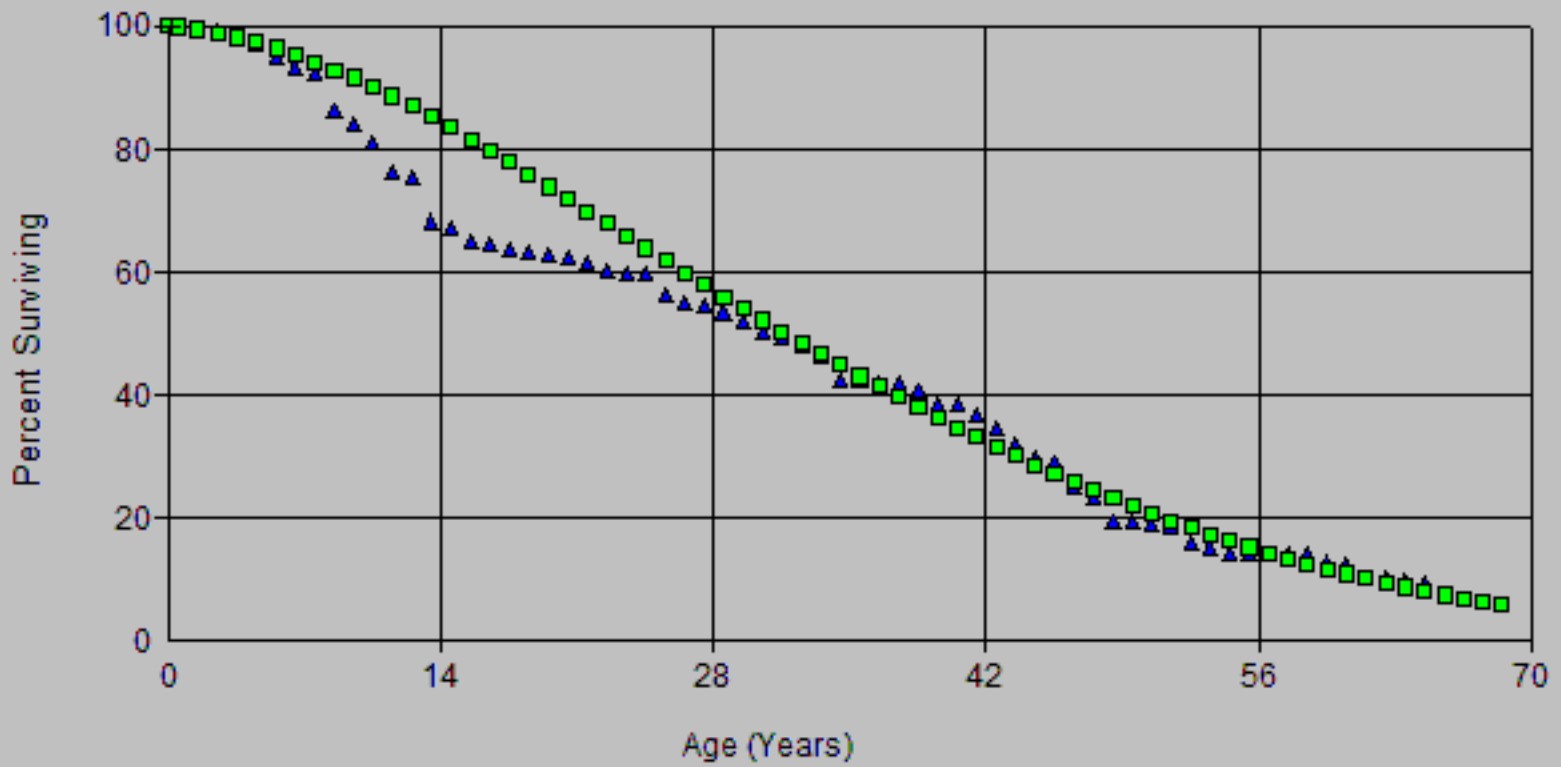
▲ Actual Data

■ R2.5 49.00



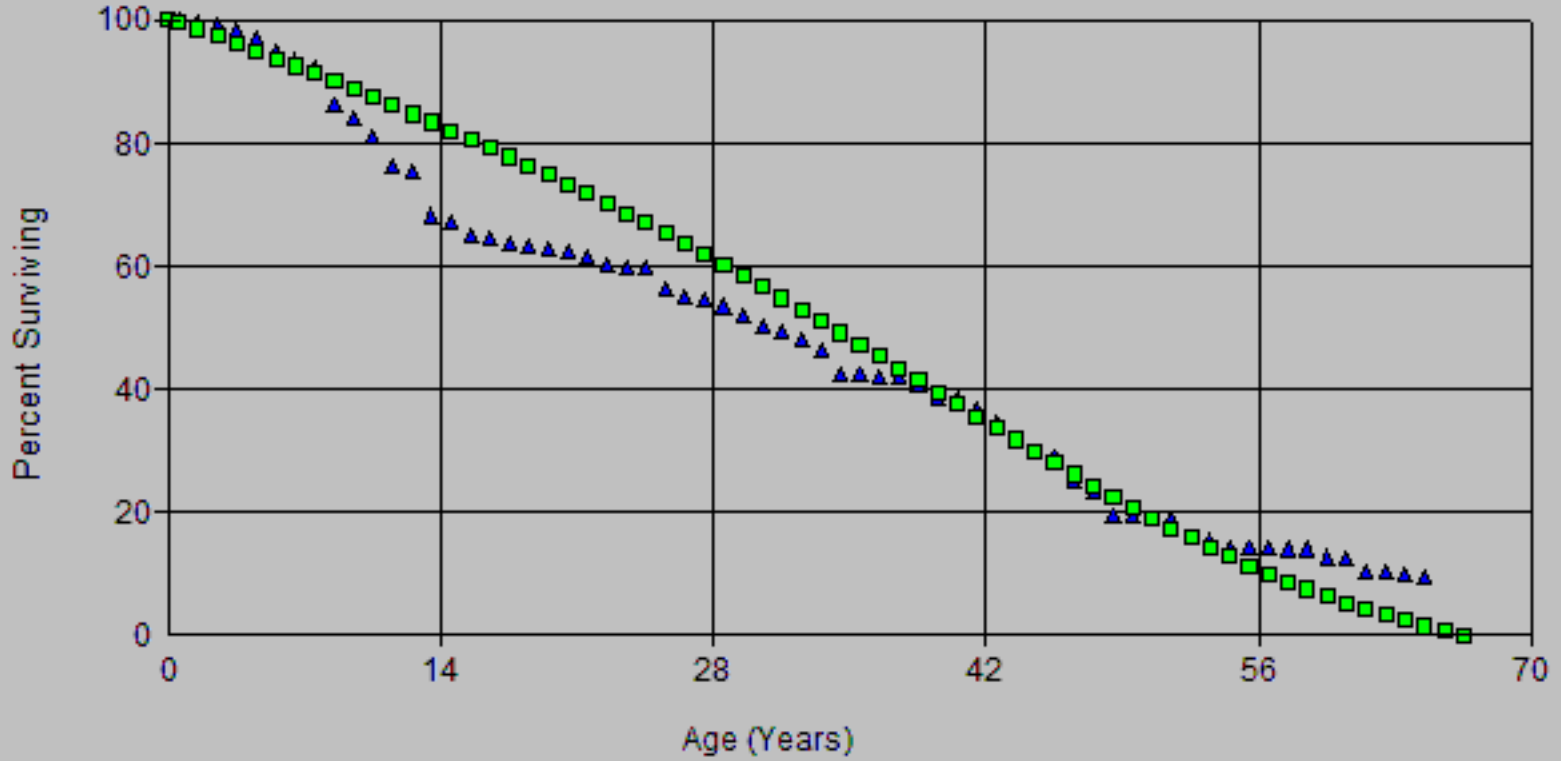
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 34.00



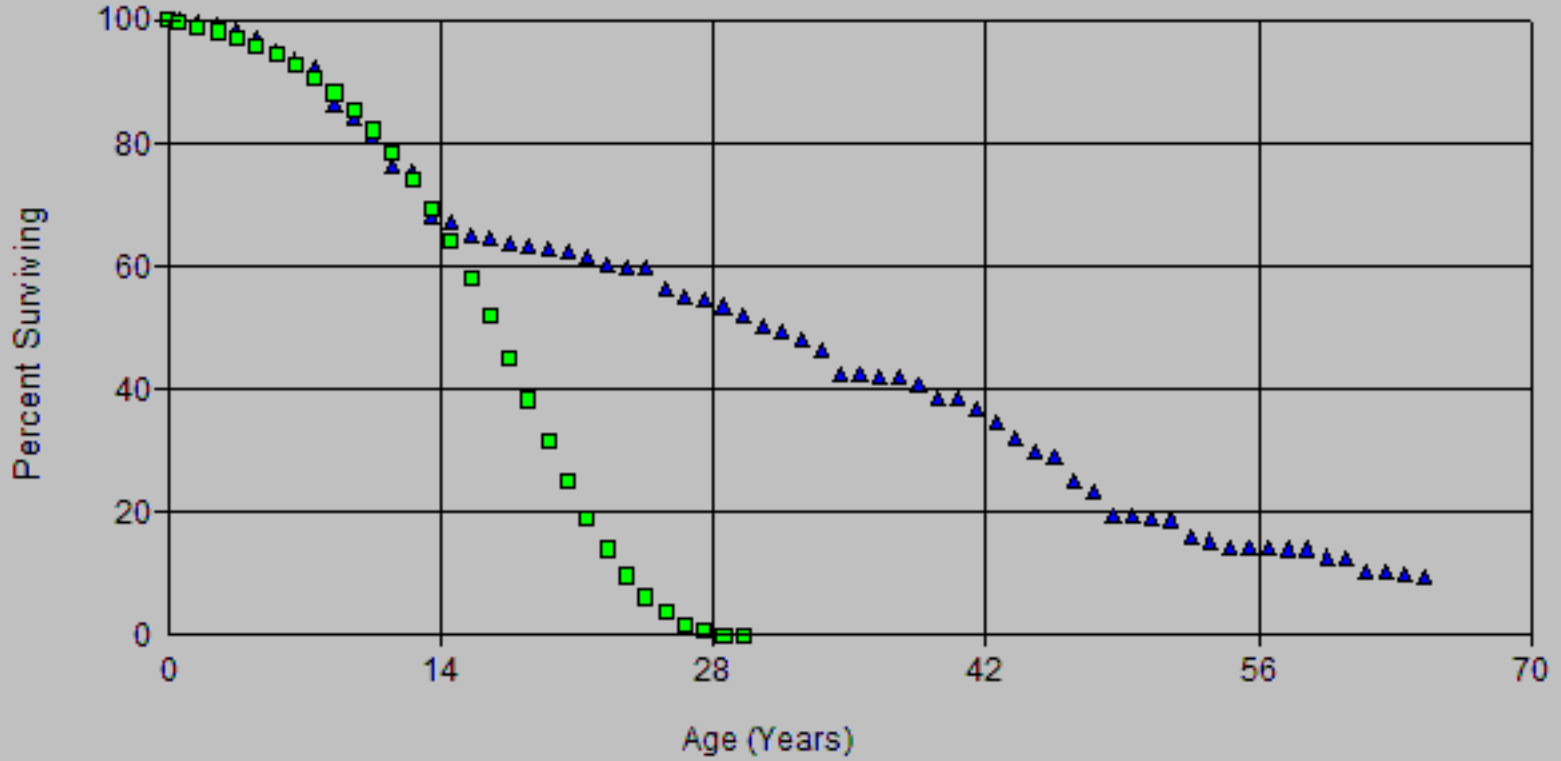
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 33.00



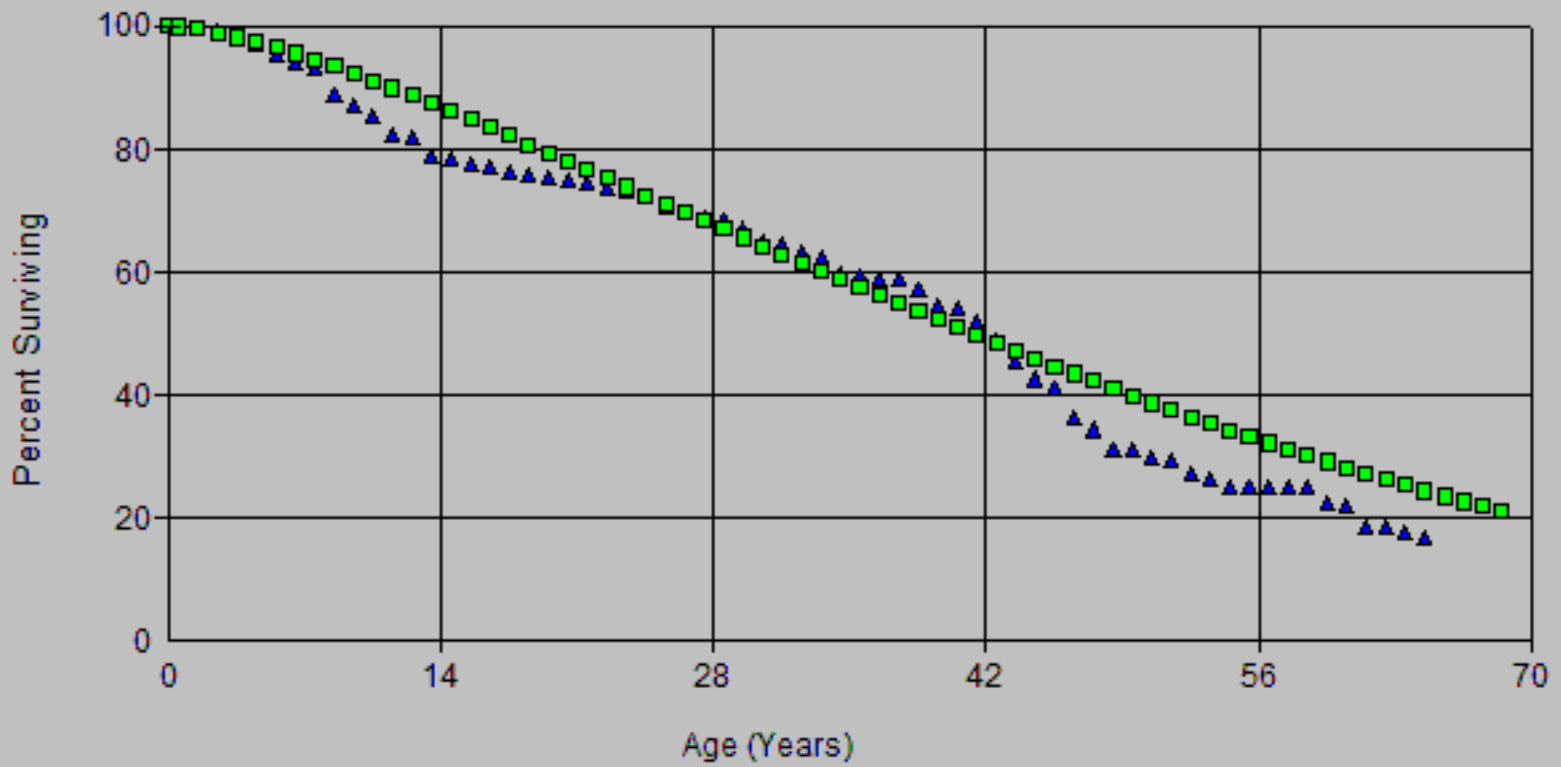
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R2 16.00



Scenario: So California Gas Actuarial @ 2020

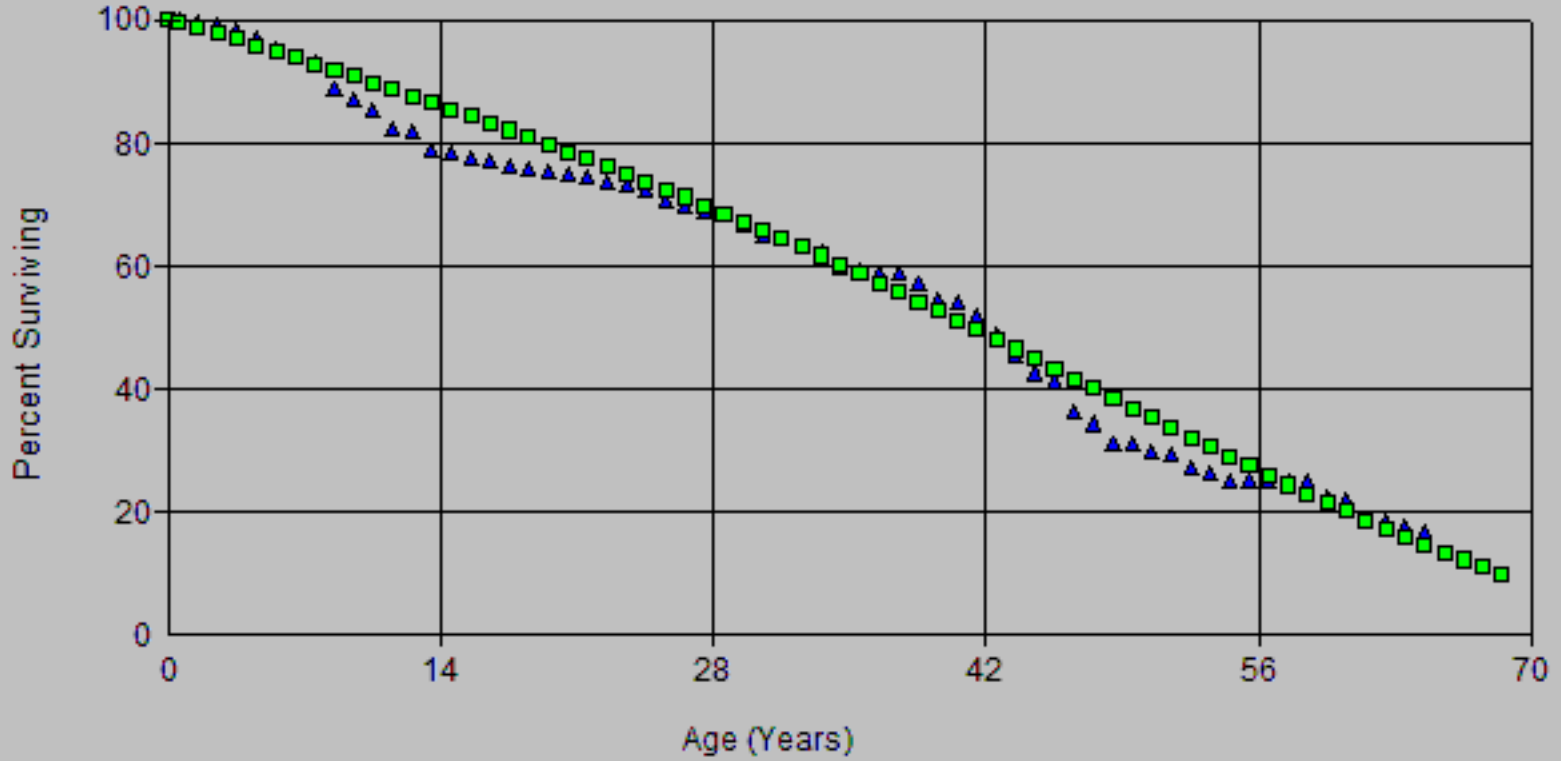
▲ Actual Data ■ L0 45.00



Scenario: So California Gas Actuarial @ 2020

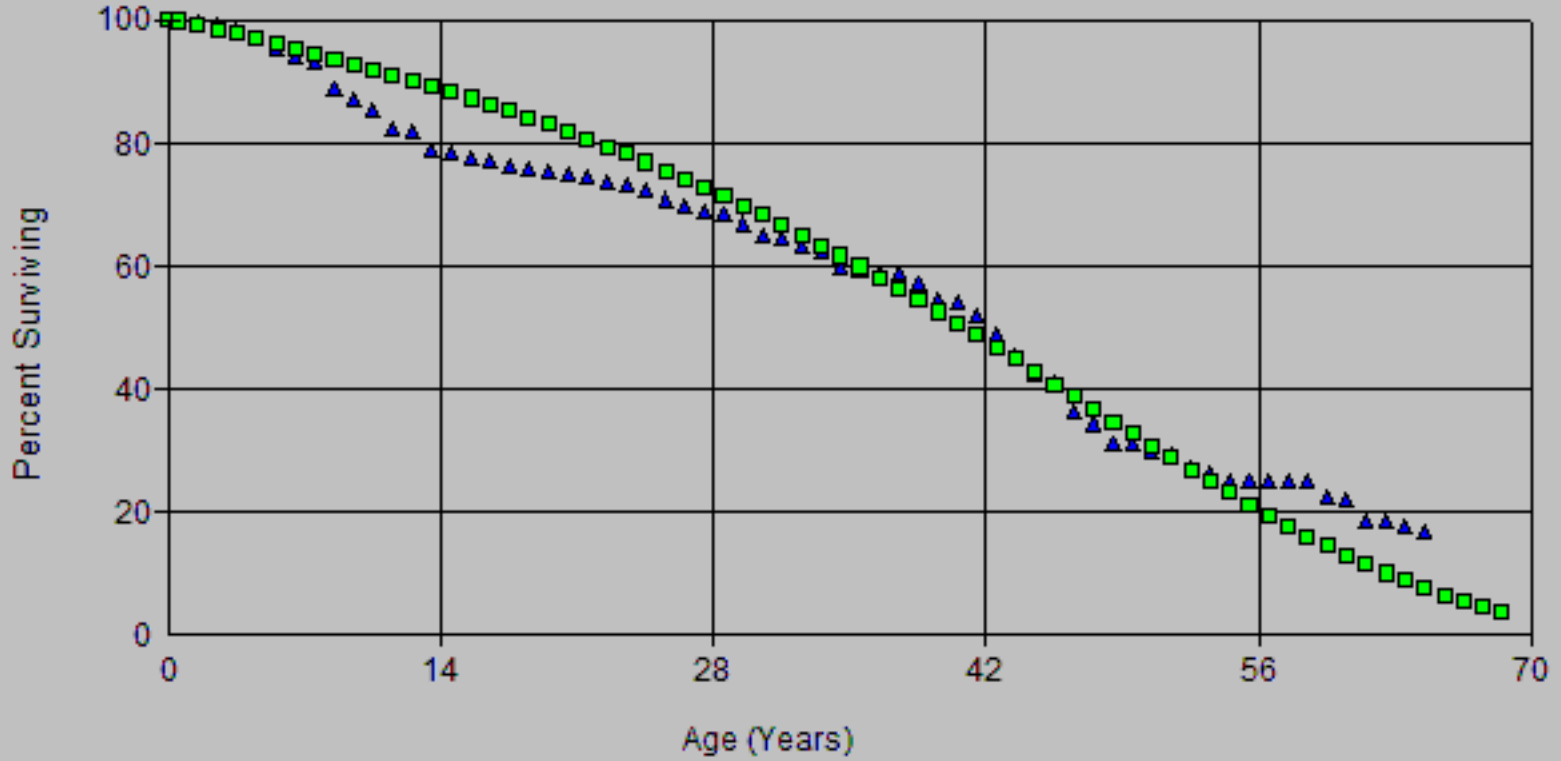
▲ Actual Data

■ R0.5 40.00



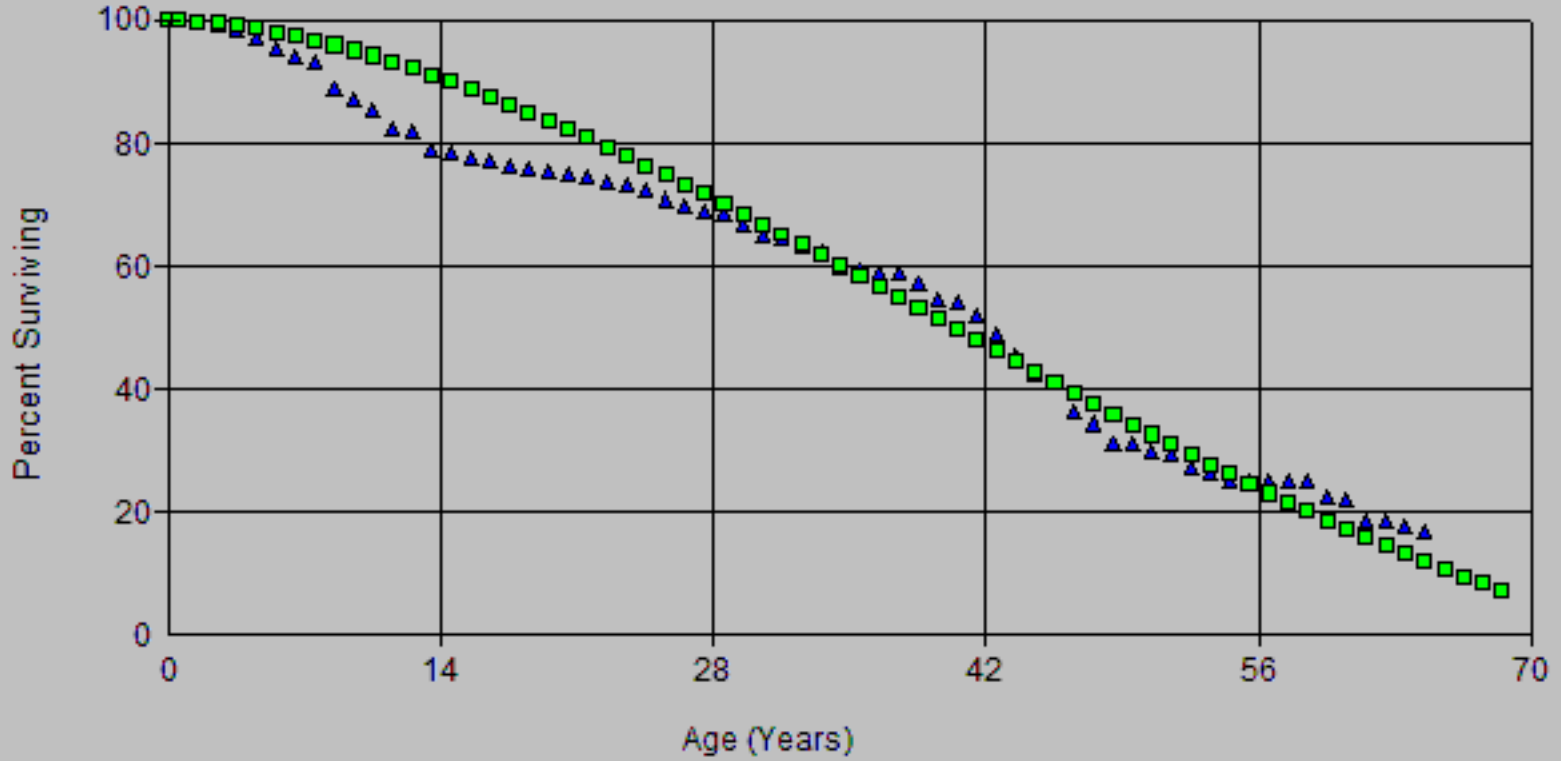
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R1 39.00



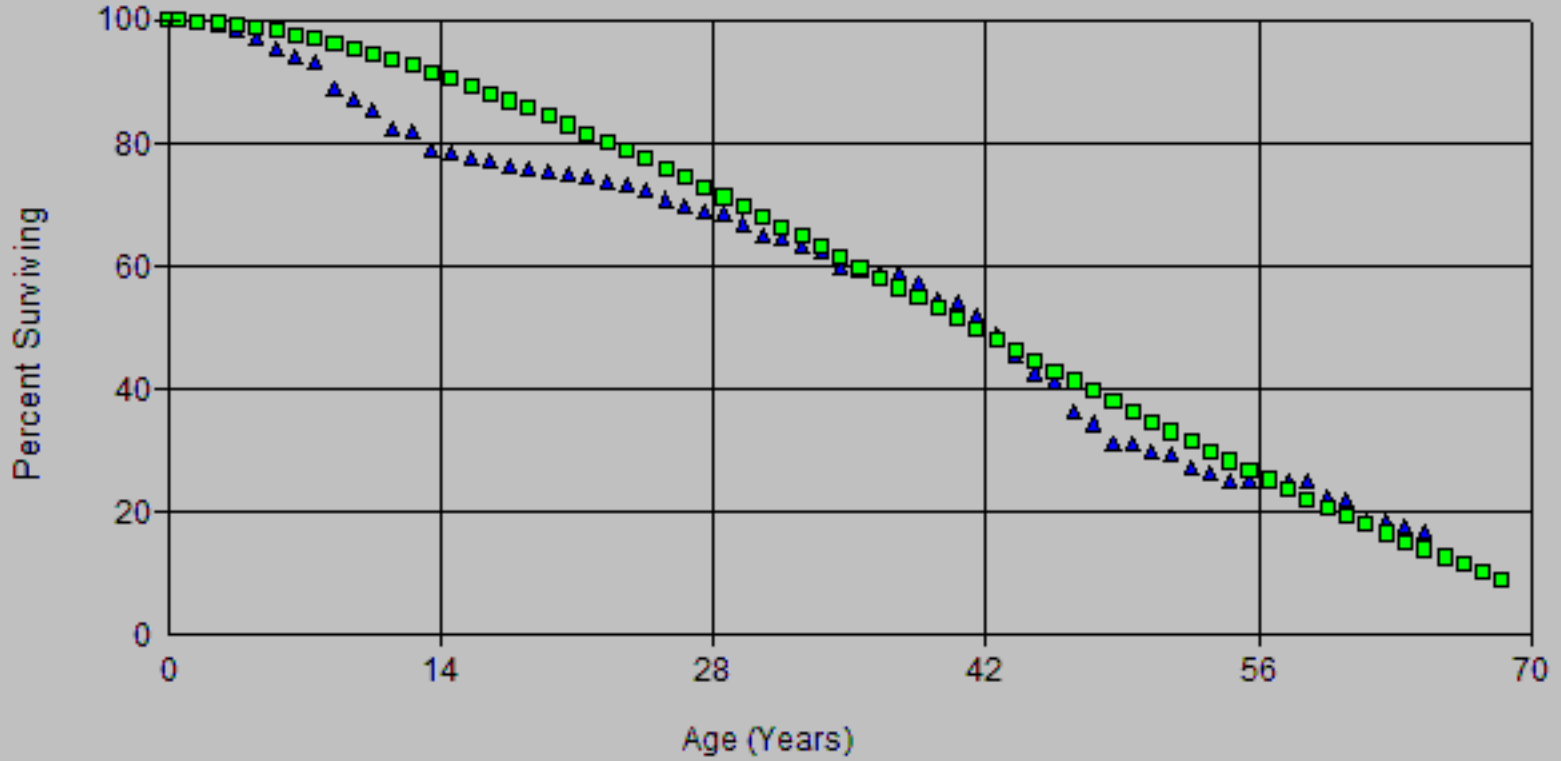
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ S0 40.00



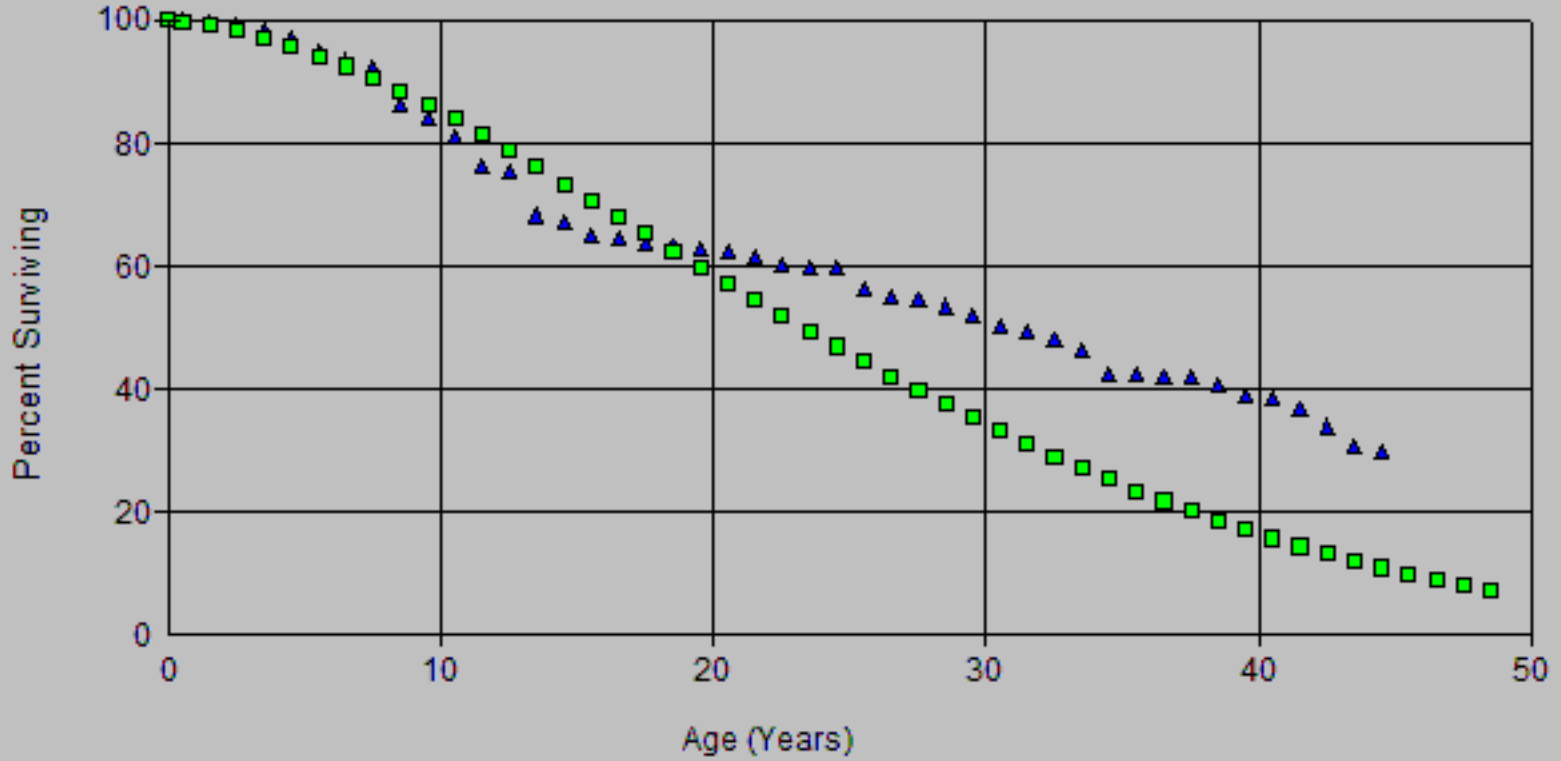
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ S0 41.00



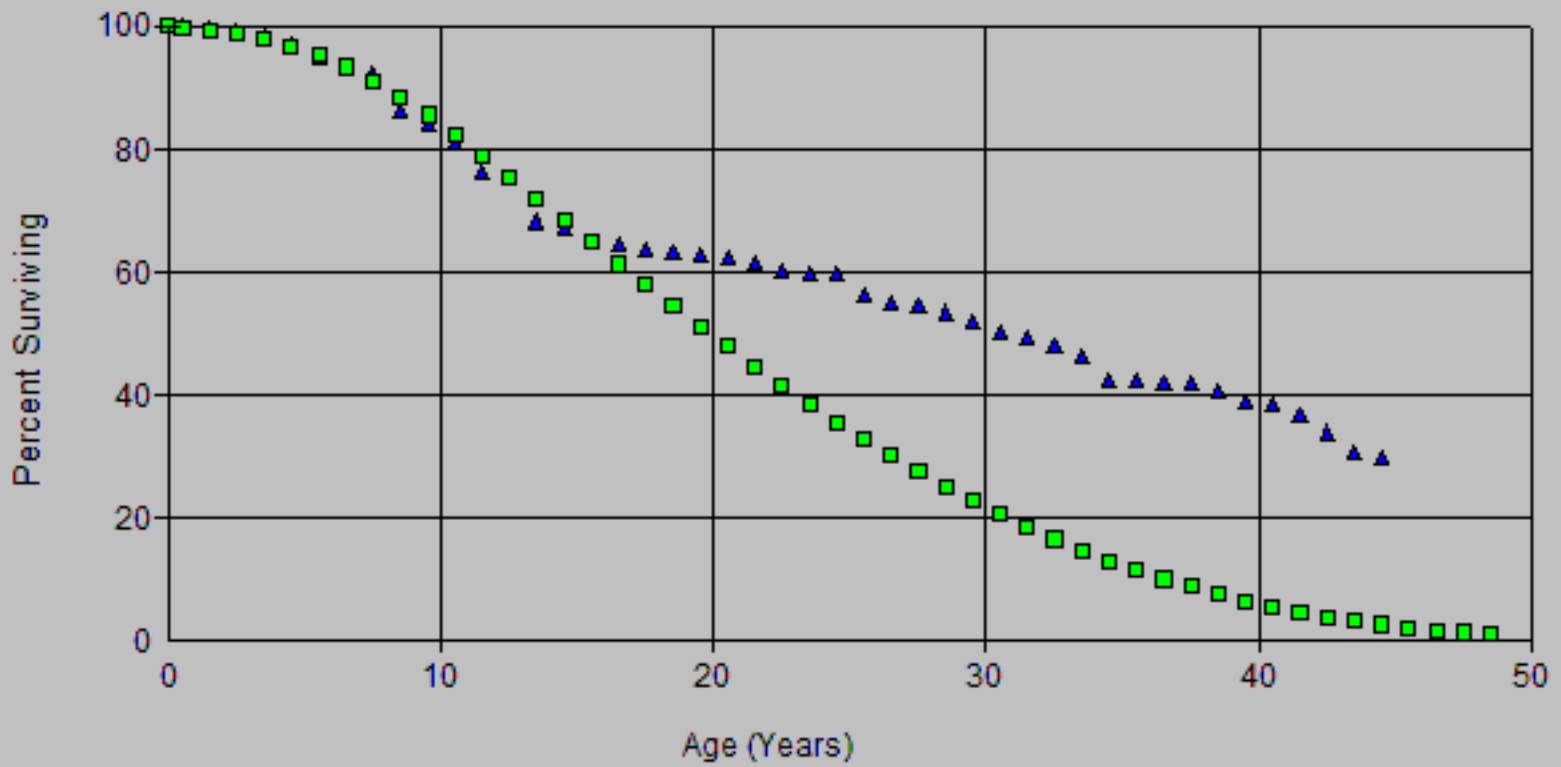
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 25.00



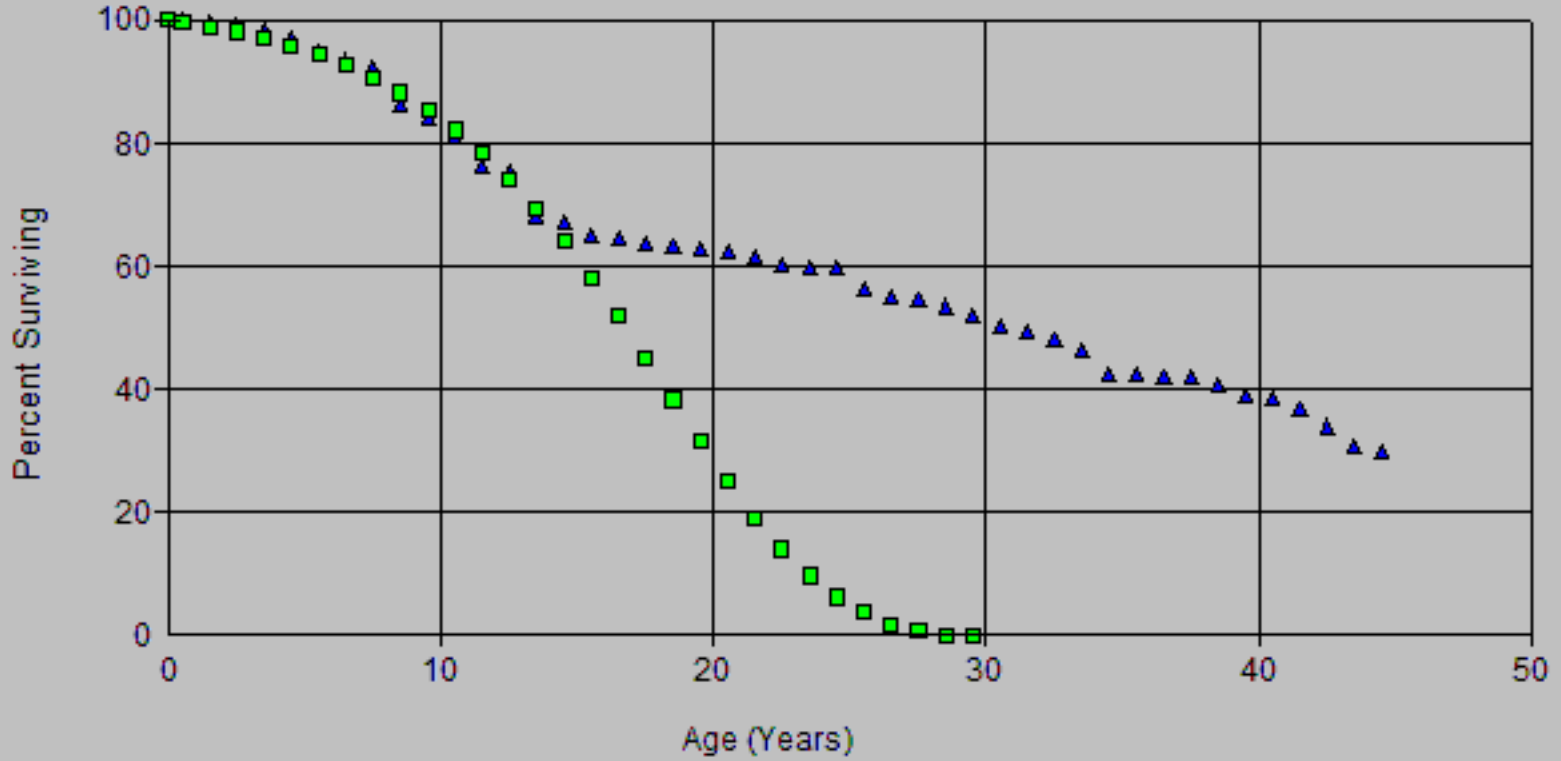
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L1 21.00



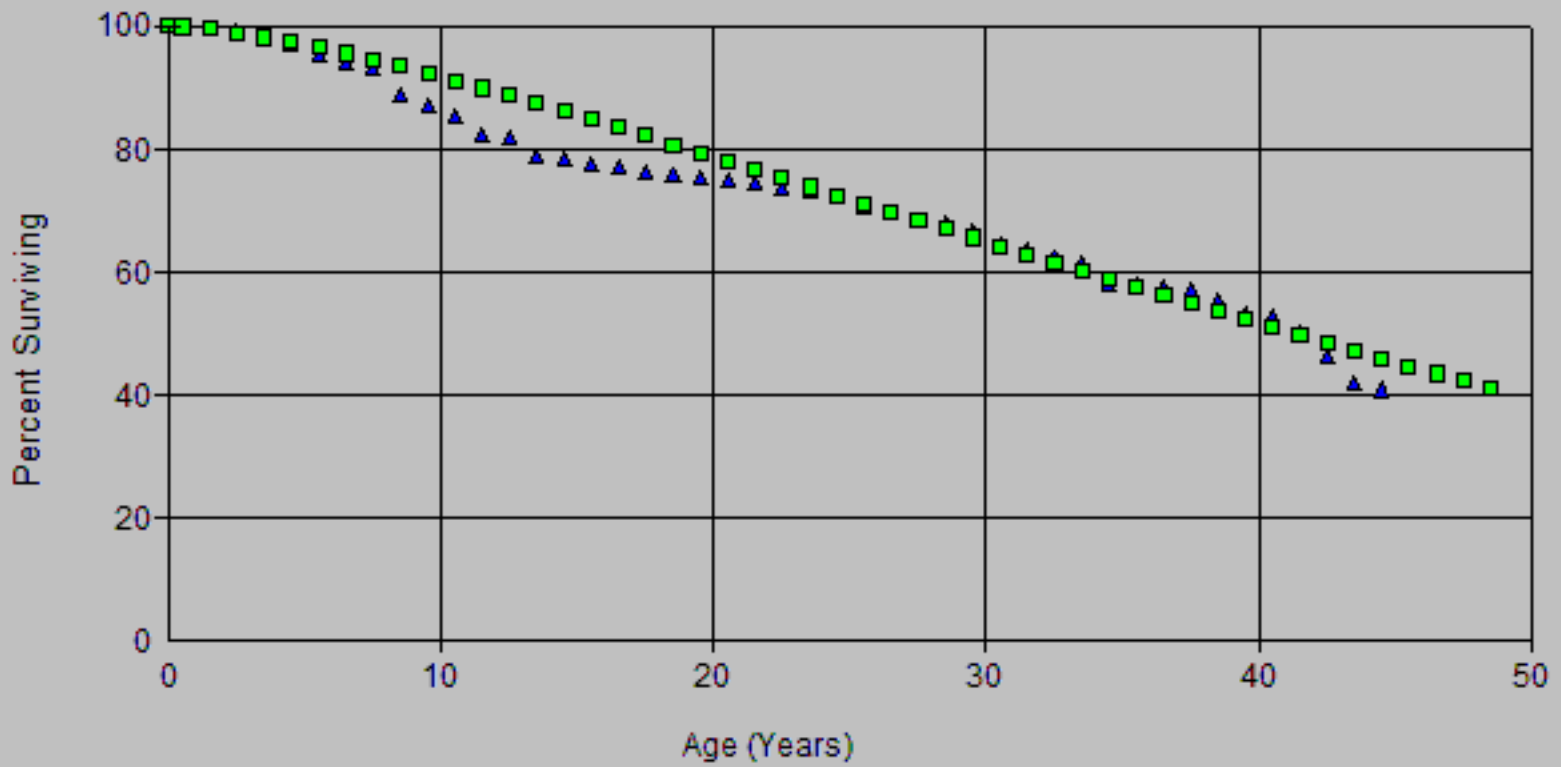
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R2 16.00



Scenario: So California Gas Actuarial @ 2020

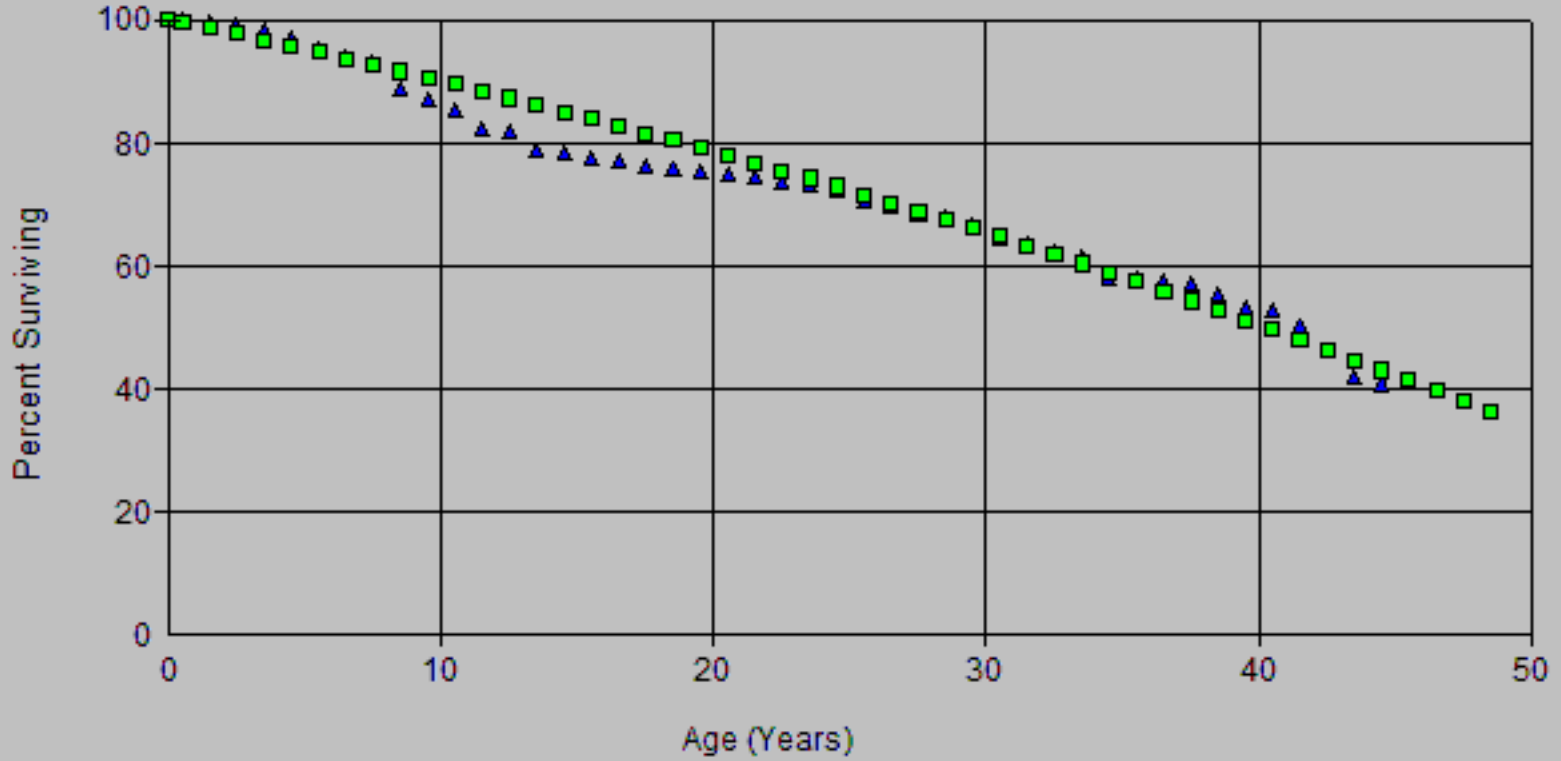
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Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

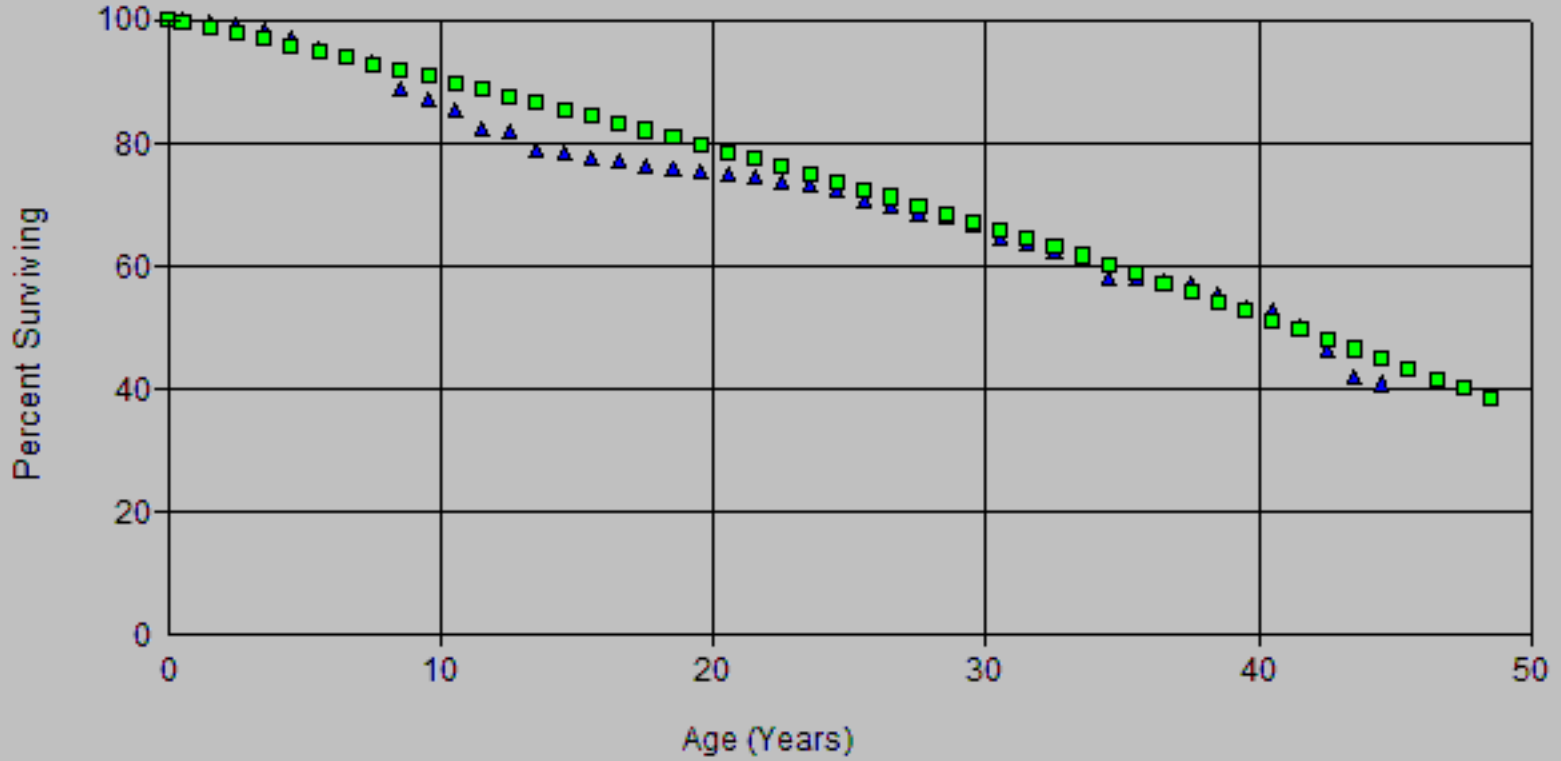
■ R0.5 39.00



Scenario: So California Gas Actuarial @ 2020

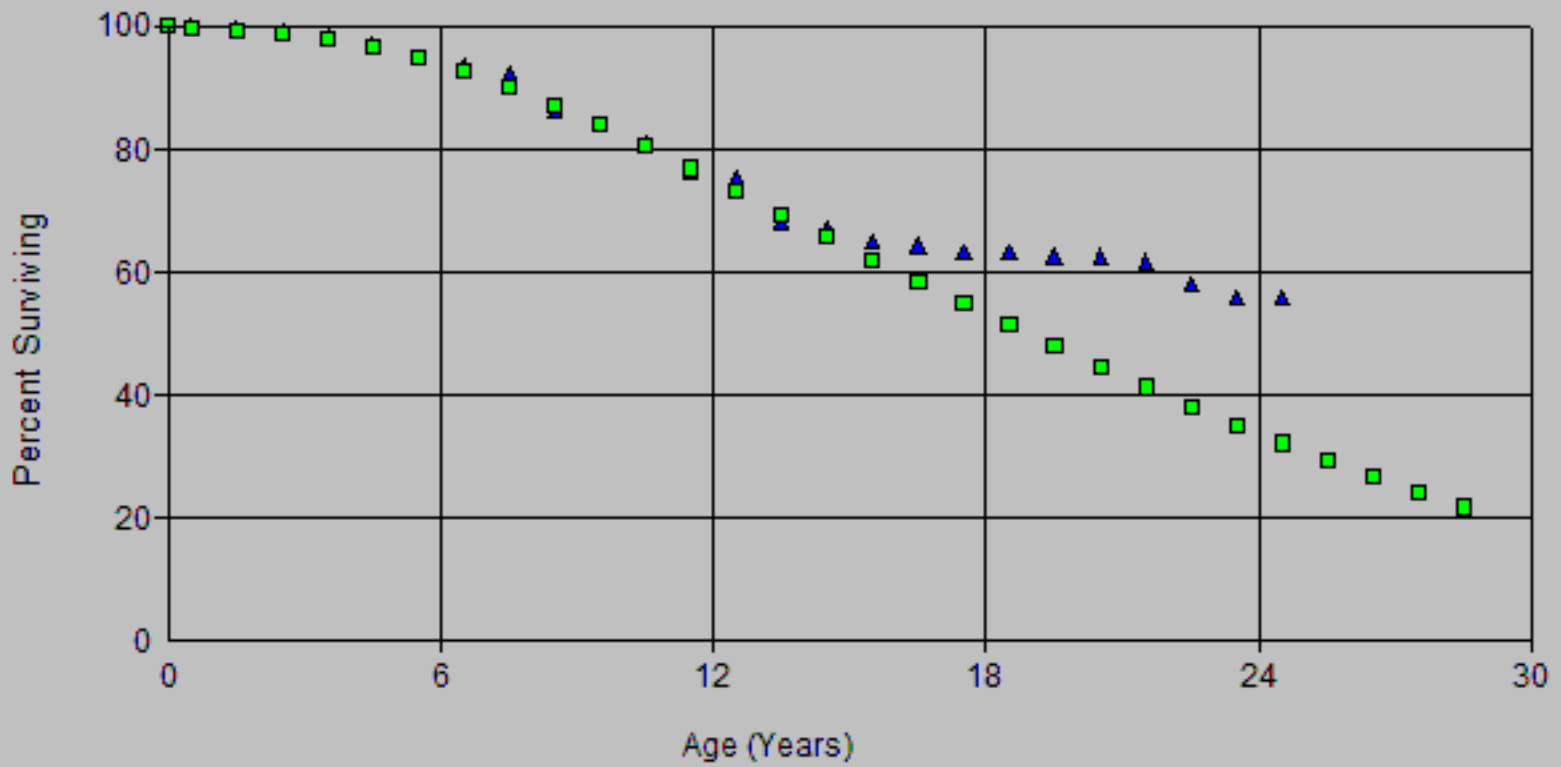
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■ R0.5 40.00



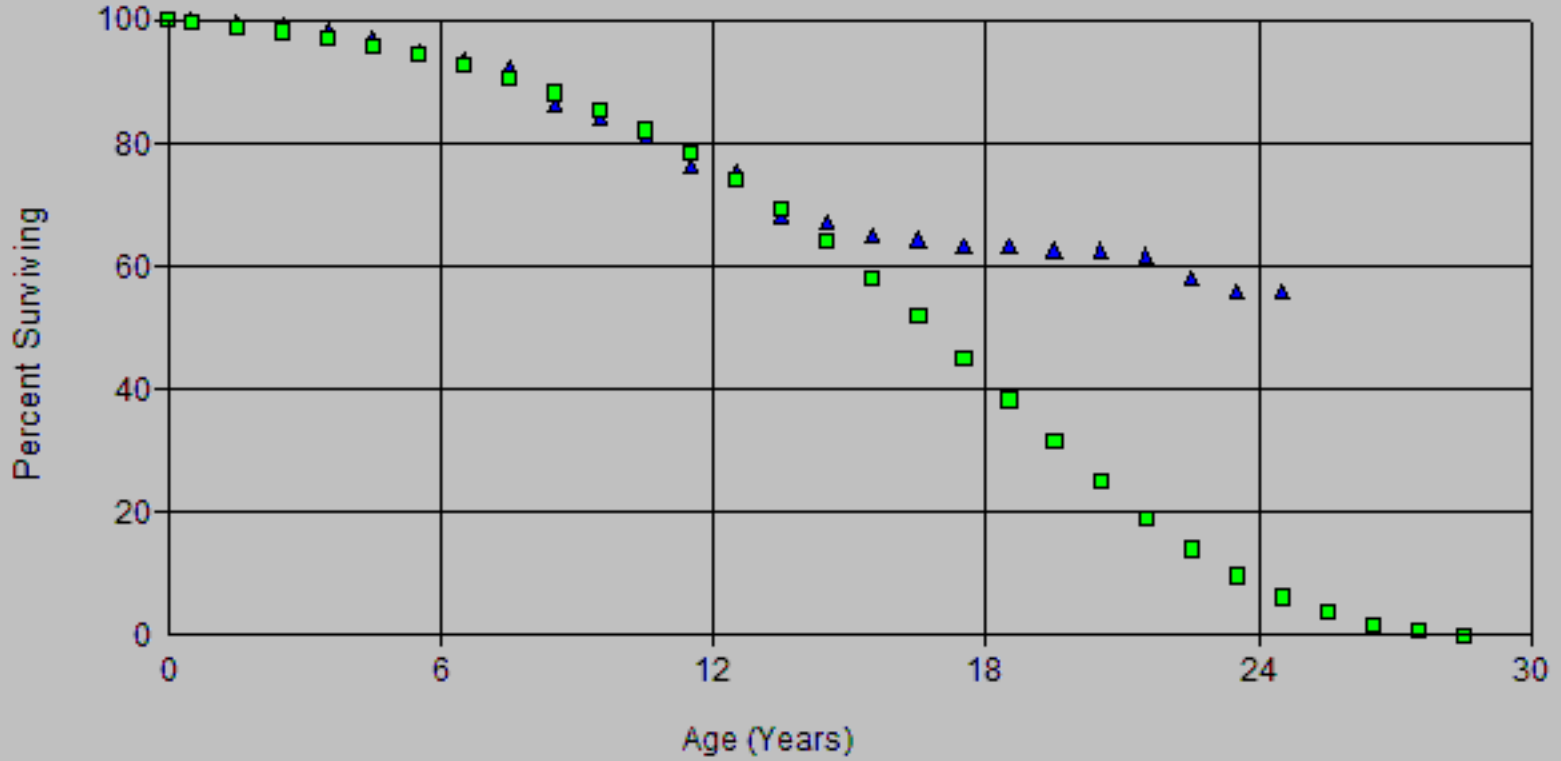
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L1 20.00



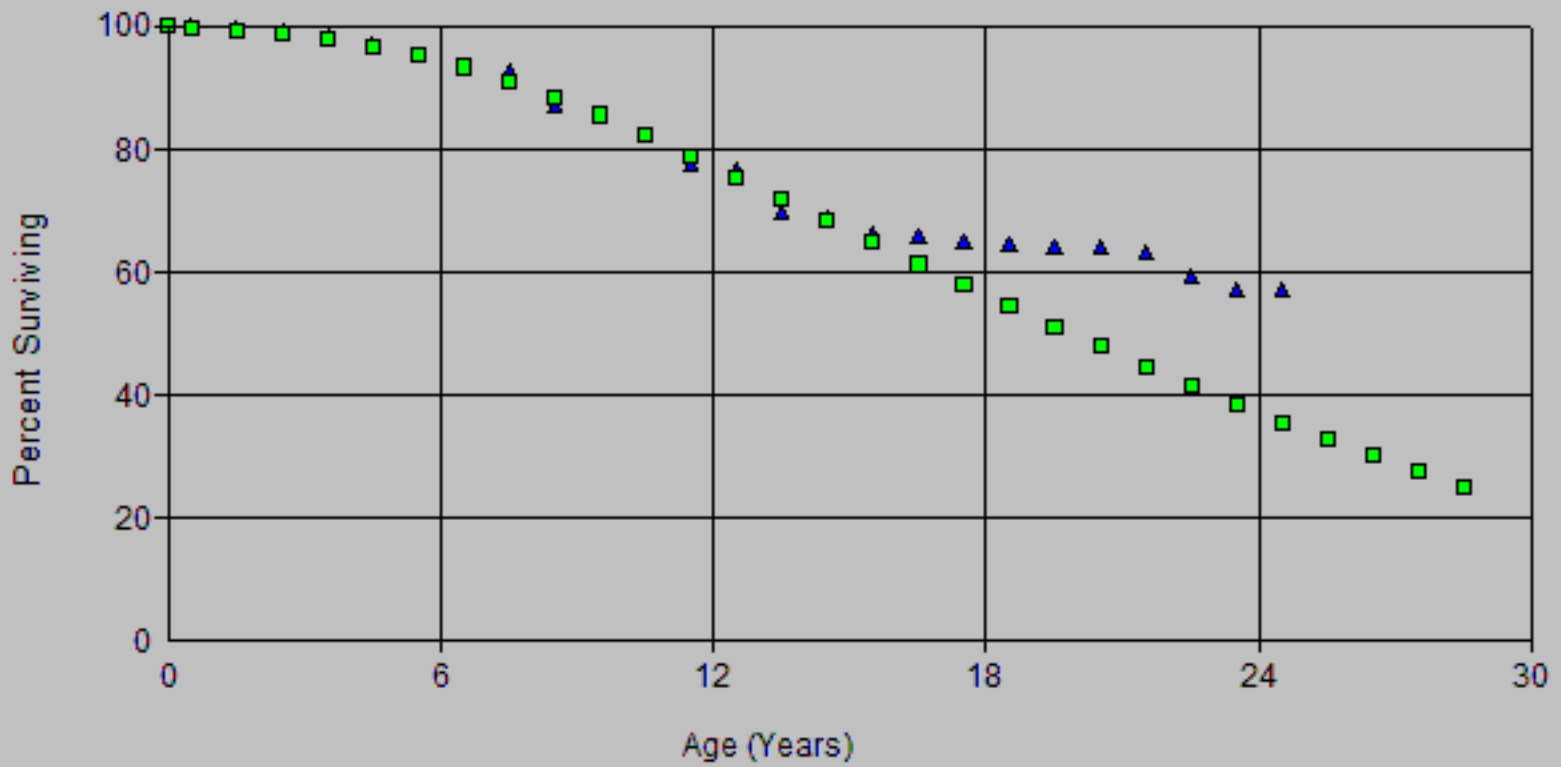
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R2 16.00



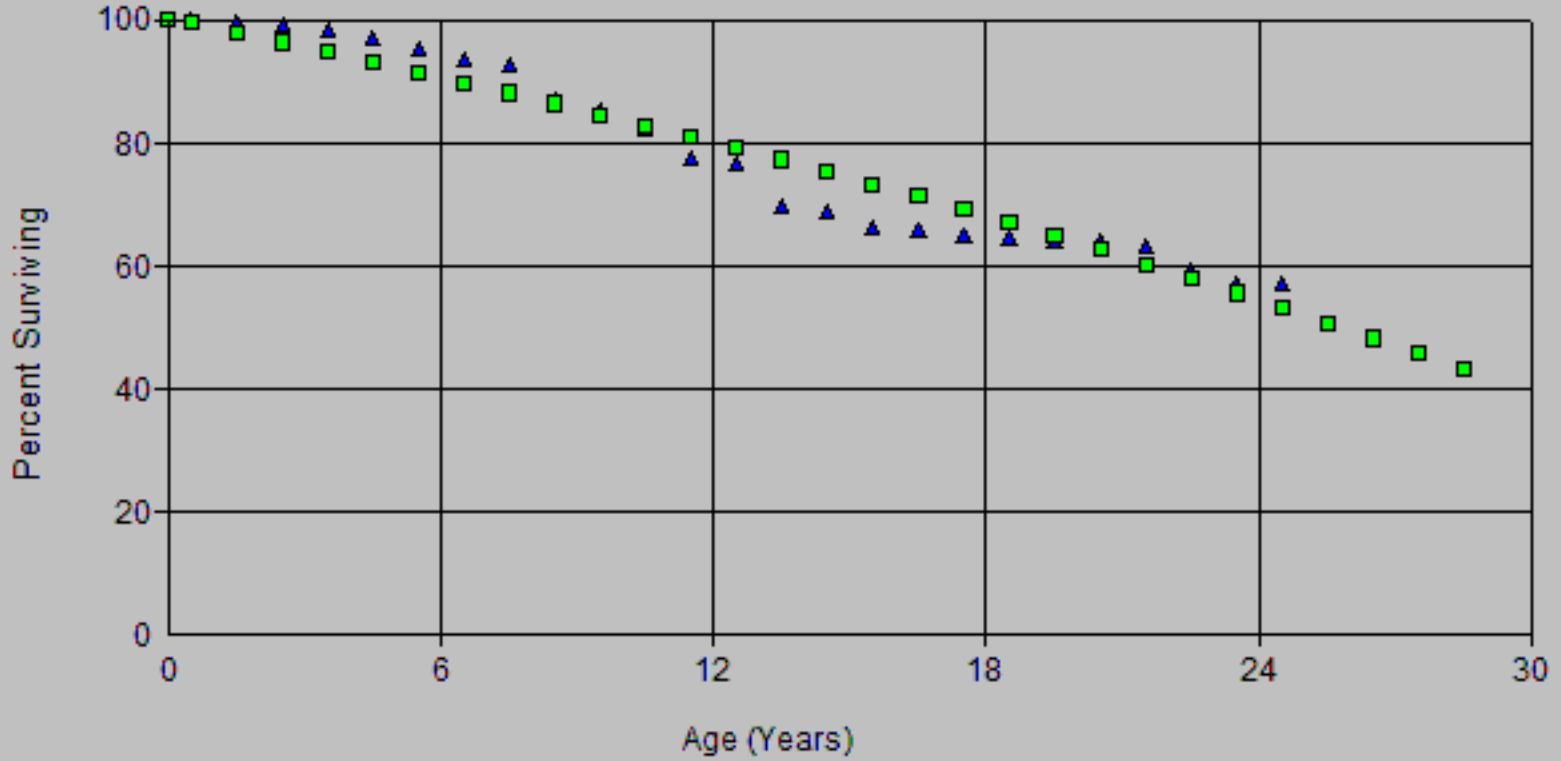
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L1 21.00



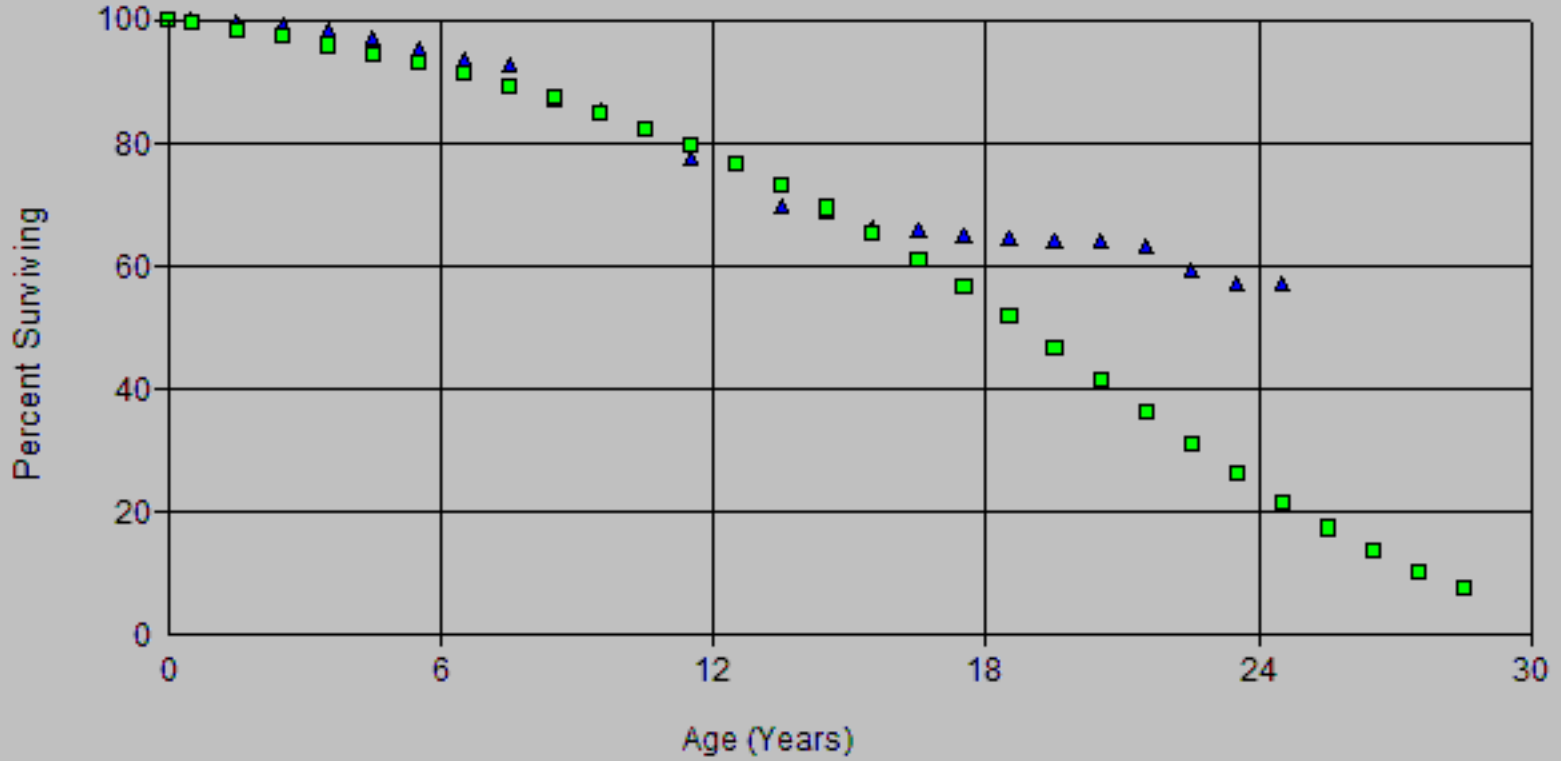
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 25.00



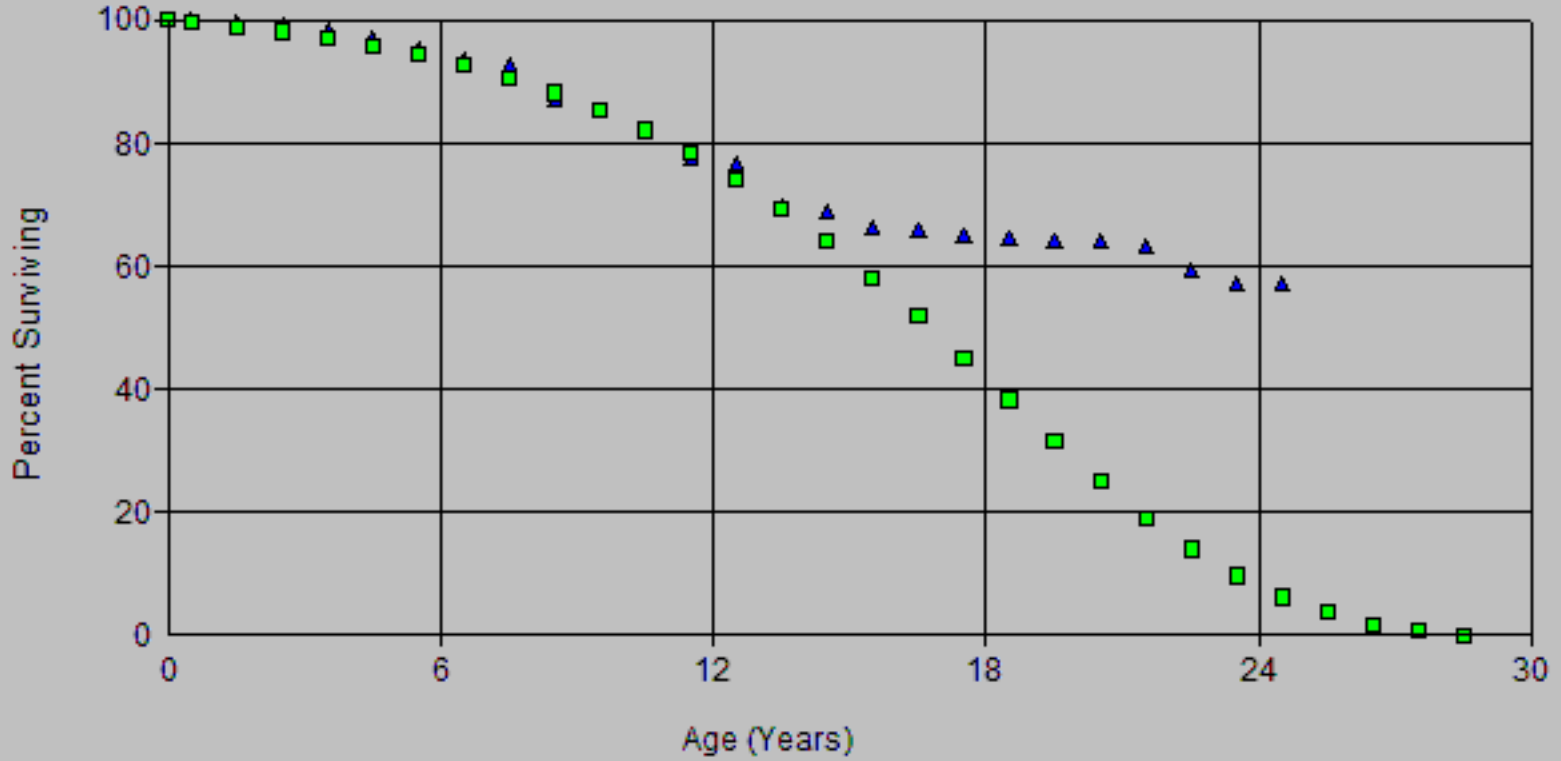
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R1.5 18.00



Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R2 16.00



Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 2006 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	461,414,107.44	0.00	0.00000	1.00000	100.00
0.5	416,931,514.79	927,442.06	0.00222	0.99778	100.00
1.5	366,515,928.16	2,123,971.29	0.00580	0.99420	99.78
2.5	314,652,665.00	2,578,648.00	0.00820	0.99180	99.20
3.5	253,022,489.43	3,301,422.75	0.01305	0.98695	98.39
4.5	196,133,291.67	3,832,965.03	0.01954	0.98046	97.10
5.5	140,382,209.51	2,593,473.27	0.01847	0.98153	95.21
6.5	122,290,642.47	1,486,342.69	0.01215	0.98785	93.45
7.5	114,864,010.27	8,343,564.23	0.07264	0.92736	92.31
8.5	85,705,126.58	2,356,317.53	0.02749	0.97251	85.61
9.5	46,233,234.20	2,398,651.50	0.05188	0.94812	83.25
10.5	38,956,824.04	3,431,946.86	0.08810	0.91190	78.93
11.5	30,115,337.30	311,360.80	0.01034	0.98966	71.98
12.5	19,576,829.13	3,592,148.35	0.18349	0.81651	71.24
13.5	13,337,273.96	0.00	0.00000	1.00000	58.17
14.5	0.00	0.00	0.00000	0.00000	58.17

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1931 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	402,748,265.43	0.00	0.00000	1.00000	100.00
0.5	364,945,050.35	809,974.46	0.00222	0.99778	100.00
1.5	328,110,494.27	1,680,407.00	0.00512	0.99488	99.78
2.5	290,865,900.94	2,403,371.89	0.00826	0.99174	99.27
3.5	234,808,273.86	3,301,422.75	0.01406	0.98594	98.45
4.5	196,133,291.67	3,832,965.03	0.01954	0.98046	97.06
5.5	144,314,811.71	2,593,473.27	0.01797	0.98203	95.17
6.5	132,491,311.74	1,486,342.69	0.01122	0.98878	93.46
7.5	128,189,974.15	8,398,540.00	0.06552	0.93448	92.41
8.5	102,387,259.90	2,416,994.18	0.02361	0.97639	86.35
9.5	64,729,485.56	2,436,201.23	0.03764	0.96236	84.31
10.5	61,443,694.14	3,674,339.83	0.05980	0.94020	81.14
11.5	52,363,124.33	438,783.49	0.00838	0.99162	76.29
12.5	41,697,193.47	4,070,358.95	0.09762	0.90238	75.65
13.5	36,629,774.16	485,335.57	0.01325	0.98675	68.26
14.5	23,135,730.76	837,414.32	0.03620	0.96380	67.36
15.5	21,882,600.39	152,234.19	0.00696	0.99304	64.92
16.5	19,504,648.87	238,695.97	0.01224	0.98776	64.47
17.5	29,387,576.73	145,181.18	0.00494	0.99506	63.68
18.5	36,124,668.16	264,689.86	0.00733	0.99267	63.37
19.5	41,137,053.76	410,111.75	0.00997	0.99003	62.90
20.5	40,553,935.14	474,805.28	0.01171	0.98829	62.27
21.5	43,124,774.87	1,025,988.80	0.02379	0.97621	61.55
22.5	44,025,892.74	68,960.99	0.00157	0.99843	60.08
23.5	46,233,930.19	168,707.16	0.00365	0.99635	59.99
24.5	48,311,862.35	2,693,823.20	0.05576	0.94424	59.77
25.5	43,867,354.20	1,130,985.89	0.02578	0.97422	56.44
26.5	41,634,425.73	314,421.57	0.00755	0.99245	54.98
27.5	37,876,062.76	725,107.20	0.01914	0.98086	54.57
28.5	33,337,871.14	1,029,855.08	0.03089	0.96911	53.52
29.5	30,551,853.01	858,929.29	0.02811	0.97189	51.87
30.5	36,233,173.17	707,801.44	0.01953	0.98047	50.41
31.5	34,715,244.98	1,026,975.29	0.02958	0.97042	49.43
32.5	33,875,611.55	1,056,510.60	0.03119	0.96881	47.96
33.5	40,866,226.84	3,382,575.59	0.08277	0.91723	46.47
34.5	59,341,926.01	294,622.93	0.00496	0.99504	42.62
35.5	63,691,651.52	533,864.76	0.00838	0.99162	42.41
36.5	64,578,060.36	150,603.28	0.00233	0.99767	42.06
37.5	63,070,184.89	1,713,273.45	0.02716	0.97284	41.96
38.5	61,047,204.14	3,103,952.97	0.05085	0.94915	40.82
39.5	54,656,721.34	472,509.45	0.00865	0.99135	38.74
40.5	47,582,439.21	1,892,072.59	0.03976	0.96024	38.41
41.5	44,656,368.86	2,577,447.47	0.05772	0.94228	36.88
42.5	41,387,956.41	3,061,321.20	0.07397	0.92603	34.75
43.5	30,668,292.23	2,094,788.39	0.06830	0.93170	32.18
44.5	11,033,777.30	391,414.07	0.03547	0.96453	29.98
45.5	7,323,273.82	976,374.44	0.13332	0.86668	28.92
46.5	5,090,504.99	355,578.38	0.06985	0.93015	25.06
47.5	1,451,668.57	227,985.53	0.15705	0.84295	23.31
48.5	806,949.60	4,092.88	0.00507	0.99493	19.65
49.5	896,883.21	23,906.00	0.02665	0.97335	19.55
50.5	971,623.98	11,616.96	0.01196	0.98804	19.03
51.5	663,212.41	99,338.32	0.14978	0.85022	18.80
52.5	602,876.20	23,556.39	0.03907	0.96093	15.99

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1931 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	645,819.64	48,763.00	0.07551	0.92449	15.36
54.5	1,070,469.26	7,098.82	0.00663	0.99337	14.20
55.5	1,657,727.30	5,936.05	0.00358	0.99642	14.11
56.5	1,600,936.38	7,842.57	0.00490	0.99510	14.06
57.5	1,547,136.58	4,407.42	0.00285	0.99715	13.99
58.5	1,719,064.98	84,475.41	0.04914	0.95086	13.95
59.5	1,639,297.59	9,768.40	0.00596	0.99404	13.26
60.5	1,607,245.74	103,846.35	0.06461	0.93539	13.18
61.5	1,567,261.30	3,920.00	0.00250	0.99750	12.33
62.5	1,522,126.44	19,540.96	0.01284	0.98716	12.30
63.5	1,448,383.05	202,285.92	0.13966	0.86034	12.14
64.5	984,683.69	56,142.33	0.05702	0.94298	10.45
65.5	545,104.23	63.00	0.00012	0.99988	9.85
66.5	631,318.23	66,703.97	0.10566	0.89434	9.85
67.5	562,061.26	96,619.35	0.17190	0.82810	8.81
68.5	392,246.44	72,048.40	0.18368	0.81632	7.30
69.5	256,350.68	0.00	0.00000	1.00000	5.96
70.5	254,527.68	0.00	0.00000	1.00000	5.96
71.5	199,730.52	0.00	0.00000	1.00000	5.96
72.5	198,630.52	0.00	0.00000	1.00000	5.96
73.5	198,630.52	84,609.42	0.42596	0.57404	5.96
74.5	113,734.10	5,358.53	0.04711	0.95289	3.42
75.5	138,512.26	0.00	0.00000	1.00000	3.26
76.5	84,691.52	0.00	0.00000	1.00000	3.26
77.5	84,691.52	0.00	0.00000	1.00000	3.26
78.5	170,150.51	0.00	0.00000	1.00000	3.26
79.5	163,369.51	0.00	0.00000	1.00000	3.26
80.5	163,369.51	34,735.69	0.21262	0.78738	3.26
81.5	128,633.82	0.00	0.00000	1.00000	2.56
82.5	128,633.82	0.00	0.00000	1.00000	2.56
83.5	128,633.82	0.00	0.00000	1.00000	2.56
84.5	128,633.82	0.00	0.00000	1.00000	2.56
85.5	128,633.82	0.00	0.00000	1.00000	2.56
86.5	95,521.11	0.00	0.00000	1.00000	2.56
87.5	95,521.11	0.00	0.00000	1.00000	2.56
88.5	1,216.00	0.00	0.00000	1.00000	2.56
89.5	0.00	0.00	0.00000	0.00000	2.56

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1931 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	484,985,879.96	0.00	0.00000	1.00000	100.00
0.5	440,503,287.31	948,063.56	0.00215	0.99785	100.00
1.5	391,815,073.91	2,186,459.46	0.00558	0.99442	99.79
2.5	340,351,688.91	2,666,224.60	0.00783	0.99217	99.23
3.5	282,440,846.80	3,504,460.60	0.01241	0.98759	98.45
4.5	229,597,600.96	4,235,979.77	0.01845	0.98155	97.23
5.5	187,556,353.86	2,679,830.94	0.01429	0.98571	95.44
6.5	179,239,580.93	1,710,003.70	0.00954	0.99046	94.07
7.5	178,092,908.61	8,413,280.02	0.04724	0.95276	93.17
8.5	151,774,174.60	2,488,904.18	0.01640	0.98360	88.77
9.5	115,448,907.47	2,469,703.12	0.02139	0.97861	87.32
10.5	110,623,858.98	3,746,382.78	0.03387	0.96613	85.45
11.5	107,941,774.98	535,730.87	0.00496	0.99504	82.55
12.5	102,102,632.70	4,157,682.91	0.04072	0.95928	82.15
13.5	101,771,993.94	515,231.89	0.00506	0.99494	78.80
14.5	88,765,569.23	1,055,620.19	0.01189	0.98811	78.40
15.5	90,599,365.59	351,702.77	0.00388	0.99612	77.47
16.5	83,890,241.92	1,083,198.09	0.01291	0.98709	77.17
17.5	82,900,326.80	446,067.20	0.00538	0.99462	76.17
18.5	92,095,030.85	269,697.11	0.00293	0.99707	75.76
19.5	94,111,916.46	454,016.61	0.00482	0.99518	75.54
20.5	94,562,568.81	714,283.71	0.00755	0.99245	75.18
21.5	102,336,882.90	1,045,762.59	0.01022	0.98978	74.61
22.5	124,427,468.88	916,074.68	0.00736	0.99264	73.85
23.5	125,605,783.06	1,239,189.43	0.00987	0.99013	73.30
24.5	126,755,775.85	2,952,018.24	0.02329	0.97671	72.58
25.5	126,134,596.85	1,581,721.57	0.01254	0.98746	70.89
26.5	125,113,796.32	1,727,416.36	0.01381	0.98619	70.00
27.5	112,368,536.00	972,687.80	0.00866	0.99134	69.03
28.5	102,467,666.26	2,125,262.13	0.02074	0.97926	68.44
29.5	94,248,718.31	2,515,595.95	0.02669	0.97331	67.02
30.5	88,264,124.18	1,013,585.80	0.01148	0.98852	65.23
31.5	85,288,616.56	1,344,119.81	0.01576	0.98424	64.48
32.5	84,864,417.90	1,316,469.86	0.01551	0.98449	63.46
33.5	82,255,149.37	3,424,053.23	0.04163	0.95837	62.48
34.5	77,310,172.20	449,468.72	0.00581	0.99419	59.88
35.5	74,304,979.47	595,090.80	0.00801	0.99199	59.53
36.5	73,115,401.75	171,249.26	0.00234	0.99766	59.05
37.5	66,452,171.63	1,758,824.69	0.02647	0.97353	58.91
38.5	62,244,262.84	3,103,952.97	0.04987	0.95013	57.36
39.5	55,975,091.48	472,552.45	0.00844	0.99156	54.50
40.5	49,309,967.21	1,892,072.59	0.03837	0.96163	54.04
41.5	45,994,026.72	2,577,447.47	0.05604	0.94396	51.96
42.5	43,504,187.52	3,061,321.20	0.07037	0.92963	49.05
43.5	33,182,926.91	2,094,972.39	0.06313	0.93687	45.60
44.5	13,479,996.73	391,601.64	0.02905	0.97095	42.72
45.5	9,484,879.92	998,358.29	0.10526	0.89474	41.48
46.5	7,366,568.84	355,578.38	0.04827	0.95173	37.11
47.5	3,833,112.30	228,359.68	0.05958	0.94042	35.32
48.5	3,185,849.18	4,092.88	0.00128	0.99872	33.22
49.5	3,272,114.88	82,946.67	0.02535	0.97465	33.17
50.5	3,166,361.21	18,523.35	0.00585	0.99415	32.33
51.5	2,713,514.93	103,077.53	0.03799	0.96201	32.14
52.5	2,692,691.81	28,353.04	0.01053	0.98947	30.92

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1931 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	2,668,172.77	265,901.75	0.09966	0.90034	30.60
54.5	2,580,975.18	13,135.29	0.00509	0.99491	27.55
55.5	2,524,136.35	79,331.00	0.03143	0.96857	27.41
56.5	2,390,527.66	44,076.57	0.01844	0.98156	26.55
57.5	2,319,642.86	11,030.14	0.00476	0.99524	26.06
58.5	2,317,069.72	184,155.14	0.07948	0.92052	25.93
59.5	1,992,265.84	11,047.61	0.00555	0.99445	23.87
60.5	1,957,048.78	105,833.97	0.05408	0.94592	23.74
61.5	1,793,575.59	3,920.00	0.00219	0.99781	22.46
62.5	1,747,340.73	21,307.73	0.01219	0.98781	22.41
63.5	1,708,038.57	202,285.92	0.11843	0.88157	22.13
64.5	1,194,349.38	56,142.33	0.04701	0.95299	19.51
65.5	750,170.92	63.00	0.00008	0.99992	18.60
66.5	843,730.59	66,703.97	0.07906	0.92094	18.60
67.5	775,689.62	108,860.35	0.14034	0.85966	17.13
68.5	582,993.80	85,396.76	0.14648	0.85352	14.72
69.5	424,288.68	0.00	0.00000	1.00000	12.57
70.5	422,465.68	0.00	0.00000	1.00000	12.57
71.5	367,668.52	1,472.31	0.00400	0.99600	12.57
72.5	365,096.21	0.00	0.00000	1.00000	12.52
73.5	365,096.21	84,609.42	0.23175	0.76825	12.52
74.5	280,199.79	8,454.71	0.03017	0.96983	9.62
75.5	267,146.08	0.00	0.00000	1.00000	9.33
76.5	180,212.63	0.00	0.00000	1.00000	9.33
77.5	180,212.63	0.00	0.00000	1.00000	9.33
78.5	171,366.51	0.00	0.00000	1.00000	9.33
79.5	163,369.51	0.00	0.00000	1.00000	9.33
80.5	163,369.51	34,735.69	0.21262	0.78738	9.33
81.5	128,633.82	0.00	0.00000	1.00000	7.34
82.5	128,633.82	0.00	0.00000	1.00000	7.34
83.5	128,633.82	0.00	0.00000	1.00000	7.34
84.5	128,633.82	0.00	0.00000	1.00000	7.34
85.5	128,633.82	0.00	0.00000	1.00000	7.34
86.5	95,521.11	0.00	0.00000	1.00000	7.34
87.5	95,521.11	0.00	0.00000	1.00000	7.34
88.5	1,216.00	0.00	0.00000	1.00000	7.34
89.5	0.00	0.00	0.00000	0.00000	7.34

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1956 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	402,748,265.43	0.00	0.00000	1.00000	100.00
0.5	364,945,050.35	809,974.46	0.00222	0.99778	100.00
1.5	328,110,494.27	1,680,407.00	0.00512	0.99488	99.78
2.5	290,865,900.94	2,403,371.89	0.00826	0.99174	99.27
3.5	234,808,273.86	3,301,422.75	0.01406	0.98594	98.45
4.5	196,133,291.67	3,832,965.03	0.01954	0.98046	97.06
5.5	144,314,811.71	2,593,473.27	0.01797	0.98203	95.17
6.5	132,491,311.74	1,486,342.69	0.01122	0.98878	93.46
7.5	128,189,974.15	8,398,540.00	0.06552	0.93448	92.41
8.5	102,387,259.90	2,416,994.18	0.02361	0.97639	86.35
9.5	64,729,485.56	2,436,201.23	0.03764	0.96236	84.31
10.5	61,443,694.14	3,674,339.83	0.05980	0.94020	81.14
11.5	52,363,124.33	438,783.49	0.00838	0.99162	76.29
12.5	41,697,193.47	4,070,358.95	0.09762	0.90238	75.65
13.5	36,629,774.16	485,335.57	0.01325	0.98675	68.26
14.5	23,135,730.76	837,414.32	0.03620	0.96380	67.36
15.5	21,882,600.39	152,234.19	0.00696	0.99304	64.92
16.5	19,504,648.87	238,695.97	0.01224	0.98776	64.47
17.5	29,387,576.73	145,181.18	0.00494	0.99506	63.68
18.5	36,124,668.16	264,689.86	0.00733	0.99267	63.37
19.5	41,137,053.76	410,111.75	0.00997	0.99003	62.90
20.5	40,553,935.14	474,805.28	0.01171	0.98829	62.27
21.5	43,124,774.87	1,025,988.80	0.02379	0.97621	61.55
22.5	44,025,892.74	68,960.99	0.00157	0.99843	60.08
23.5	46,233,930.19	168,707.16	0.00365	0.99635	59.99
24.5	48,311,862.35	2,693,823.20	0.05576	0.94424	59.77
25.5	43,867,354.20	1,130,985.89	0.02578	0.97422	56.44
26.5	41,634,425.73	314,421.57	0.00755	0.99245	54.98
27.5	37,876,062.76	725,107.20	0.01914	0.98086	54.57
28.5	33,337,871.14	1,029,855.08	0.03089	0.96911	53.52
29.5	30,551,853.01	858,929.29	0.02811	0.97189	51.87
30.5	36,233,173.17	707,801.44	0.01953	0.98047	50.41
31.5	34,715,244.98	1,026,975.29	0.02958	0.97042	49.43
32.5	33,875,611.55	1,056,510.60	0.03119	0.96881	47.96
33.5	40,866,226.84	3,382,575.59	0.08277	0.91723	46.47
34.5	59,341,926.01	294,622.93	0.00496	0.99504	42.62
35.5	63,691,651.52	533,864.76	0.00838	0.99162	42.41
36.5	64,578,060.36	150,603.28	0.00233	0.99767	42.06
37.5	63,070,184.89	1,713,273.45	0.02716	0.97284	41.96
38.5	61,047,204.14	3,103,952.97	0.05085	0.94915	40.82
39.5	54,656,721.34	472,509.45	0.00865	0.99135	38.74
40.5	47,582,439.21	1,892,072.59	0.03976	0.96024	38.41
41.5	44,656,368.86	2,577,447.47	0.05772	0.94228	36.88
42.5	41,387,956.41	3,061,321.20	0.07397	0.92603	34.75
43.5	30,668,292.23	2,094,788.39	0.06830	0.93170	32.18
44.5	11,033,777.30	391,414.07	0.03547	0.96453	29.98
45.5	7,323,273.82	976,374.44	0.13332	0.86668	28.92
46.5	5,090,504.99	355,578.38	0.06985	0.93015	25.06
47.5	1,451,668.57	227,985.53	0.15705	0.84295	23.31
48.5	806,949.60	4,092.88	0.00507	0.99493	19.65
49.5	896,883.21	23,906.00	0.02665	0.97335	19.55
50.5	971,623.98	11,616.96	0.01196	0.98804	19.03
51.5	663,212.41	99,338.32	0.14978	0.85022	18.80
52.5	602,876.20	23,556.39	0.03907	0.96093	15.99

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1956 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	645,819.64	48,763.00	0.07551	0.92449	15.36
54.5	1,070,469.26	7,098.82	0.00663	0.99337	14.20
55.5	1,019,666.90	122.86	0.00012	0.99988	14.11
56.5	954,626.35	3,964.81	0.00415	0.99585	14.11
57.5	902,151.31	0.00	0.00000	1.00000	14.05
58.5	898,032.31	84,475.41	0.09407	0.90593	14.05
59.5	672,908.16	9,768.40	0.01452	0.98548	12.73
60.5	638,970.31	103,845.45	0.16252	0.83748	12.54
61.5	477,485.64	3,920.00	0.00821	0.99179	10.50
62.5	431,250.78	15,780.86	0.03659	0.96341	10.42
63.5	361,267.49	16,751.51	0.04637	0.95363	10.04
64.5	0.00	0.00	0.00000	0.00000	9.57

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1956 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	484,985,879.96	0.00	0.00000	1.00000	100.00
0.5	440,503,287.31	948,063.56	0.00215	0.99785	100.00
1.5	391,815,073.91	2,186,459.46	0.00558	0.99442	99.79
2.5	340,351,688.91	2,666,224.60	0.00783	0.99217	99.23
3.5	282,440,846.80	3,504,460.60	0.01241	0.98759	98.45
4.5	229,597,600.96	4,235,979.77	0.01845	0.98155	97.23
5.5	187,556,353.86	2,679,830.94	0.01429	0.98571	95.44
6.5	179,239,580.93	1,710,003.70	0.00954	0.99046	94.07
7.5	178,092,908.61	8,413,280.02	0.04724	0.95276	93.17
8.5	151,774,174.60	2,488,904.18	0.01640	0.98360	88.77
9.5	115,448,907.47	2,469,703.12	0.02139	0.97861	87.32
10.5	110,623,858.98	3,746,382.78	0.03387	0.96613	85.45
11.5	107,941,774.98	535,730.87	0.00496	0.99504	82.55
12.5	102,102,632.70	4,157,682.91	0.04072	0.95928	82.15
13.5	101,771,993.94	515,231.89	0.00506	0.99494	78.80
14.5	88,765,569.23	1,055,620.19	0.01189	0.98811	78.40
15.5	90,599,365.59	351,702.77	0.00388	0.99612	77.47
16.5	83,890,241.92	1,083,198.09	0.01291	0.98709	77.17
17.5	82,900,326.80	446,067.20	0.00538	0.99462	76.17
18.5	92,095,030.85	269,697.11	0.00293	0.99707	75.76
19.5	94,111,916.46	454,016.61	0.00482	0.99518	75.54
20.5	94,562,568.81	714,283.71	0.00755	0.99245	75.18
21.5	102,336,882.90	1,045,762.59	0.01022	0.98978	74.61
22.5	124,427,468.88	916,074.68	0.00736	0.99264	73.85
23.5	125,605,783.06	1,239,189.43	0.00987	0.99013	73.30
24.5	126,755,775.85	2,952,018.24	0.02329	0.97671	72.58
25.5	126,134,596.85	1,581,721.57	0.01254	0.98746	70.89
26.5	125,113,796.32	1,727,416.36	0.01381	0.98619	70.00
27.5	112,368,536.00	972,687.80	0.00866	0.99134	69.03
28.5	102,467,666.26	2,125,262.13	0.02074	0.97926	68.44
29.5	94,248,718.31	2,515,595.95	0.02669	0.97331	67.02
30.5	88,264,124.18	1,013,585.80	0.01148	0.98852	65.23
31.5	85,288,616.56	1,344,119.81	0.01576	0.98424	64.48
32.5	84,864,417.90	1,316,469.86	0.01551	0.98449	63.46
33.5	82,255,149.37	3,424,053.23	0.04163	0.95837	62.48
34.5	77,310,172.20	449,468.72	0.00581	0.99419	59.88
35.5	74,304,979.47	595,090.80	0.00801	0.99199	59.53
36.5	73,115,401.75	171,249.26	0.00234	0.99766	59.05
37.5	66,452,171.63	1,758,824.69	0.02647	0.97353	58.91
38.5	62,244,262.84	3,103,952.97	0.04987	0.95013	57.36
39.5	55,975,091.48	472,552.45	0.00844	0.99156	54.50
40.5	49,309,967.21	1,892,072.59	0.03837	0.96163	54.04
41.5	45,994,026.72	2,577,447.47	0.05604	0.94396	51.96
42.5	43,504,187.52	3,061,321.20	0.07037	0.92963	49.05
43.5	32,334,666.95	2,094,972.39	0.06479	0.93521	45.60
44.5	12,616,227.02	391,601.64	0.03104	0.96896	42.64
45.5	8,554,839.21	998,358.29	0.11670	0.88330	41.32
46.5	6,235,168.84	355,578.38	0.05703	0.94297	36.50
47.5	2,547,692.19	228,359.68	0.08963	0.91037	34.42
48.5	1,898,480.07	4,092.88	0.00216	0.99784	31.33
49.5	1,833,705.82	82,946.67	0.04523	0.95477	31.26
50.5	1,726,852.15	18,523.35	0.01073	0.98927	29.85
51.5	1,274,005.87	102,319.56	0.08031	0.91969	29.53
52.5	1,168,373.56	25,493.48	0.02182	0.97818	27.16

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1956 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,142,115.08	57,192.82	0.05008	0.94992	26.57
54.5	1,070,469.26	7,098.82	0.00663	0.99337	25.24
55.5	1,019,666.90	122.86	0.00012	0.99988	25.07
56.5	954,626.35	3,964.81	0.00415	0.99585	25.07
57.5	902,151.31	0.00	0.00000	1.00000	24.96
58.5	898,032.31	84,475.41	0.09407	0.90593	24.96
59.5	672,908.16	9,768.40	0.01452	0.98548	22.61
60.5	638,970.31	103,845.45	0.16252	0.83748	22.29
61.5	477,485.64	3,920.00	0.00821	0.99179	18.66
62.5	431,250.78	15,780.86	0.03659	0.96341	18.51
63.5	361,267.49	16,751.51	0.04637	0.95363	17.83
64.5	0.00	0.00	0.00000	0.00000	17.01

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1976 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	402,748,265.43	0.00	0.00000	1.00000	100.00
0.5	364,945,050.35	809,974.46	0.00222	0.99778	100.00
1.5	328,110,494.27	1,680,407.00	0.00512	0.99488	99.78
2.5	290,865,900.94	2,403,371.89	0.00826	0.99174	99.27
3.5	234,808,273.86	3,301,422.75	0.01406	0.98594	98.45
4.5	196,133,291.67	3,832,965.03	0.01954	0.98046	97.06
5.5	144,314,811.71	2,593,473.27	0.01797	0.98203	95.17
6.5	132,491,311.74	1,486,342.69	0.01122	0.98878	93.46
7.5	128,189,974.15	8,398,540.00	0.06552	0.93448	92.41
8.5	102,387,259.90	2,416,994.18	0.02361	0.97639	86.35
9.5	64,729,485.56	2,436,201.23	0.03764	0.96236	84.31
10.5	61,443,694.14	3,674,339.83	0.05980	0.94020	81.14
11.5	52,363,124.33	438,783.49	0.00838	0.99162	76.29
12.5	41,697,193.47	4,070,358.95	0.09762	0.90238	75.65
13.5	36,629,774.16	485,335.57	0.01325	0.98675	68.26
14.5	23,135,730.76	837,414.32	0.03620	0.96380	67.36
15.5	21,882,600.39	152,234.19	0.00696	0.99304	64.92
16.5	19,504,648.87	238,695.97	0.01224	0.98776	64.47
17.5	29,387,576.73	145,181.18	0.00494	0.99506	63.68
18.5	36,124,668.16	264,689.86	0.00733	0.99267	63.37
19.5	41,137,053.76	410,111.75	0.00997	0.99003	62.90
20.5	40,553,935.14	474,805.28	0.01171	0.98829	62.27
21.5	43,124,774.87	1,025,988.80	0.02379	0.97621	61.55
22.5	44,025,892.74	68,960.99	0.00157	0.99843	60.08
23.5	46,233,930.19	168,707.16	0.00365	0.99635	59.99
24.5	48,311,862.35	2,693,823.20	0.05576	0.94424	59.77
25.5	43,867,354.20	1,130,985.89	0.02578	0.97422	56.44
26.5	41,634,425.73	314,421.57	0.00755	0.99245	54.98
27.5	37,876,062.76	725,107.20	0.01914	0.98086	54.57
28.5	33,337,871.14	1,029,855.08	0.03089	0.96911	53.52
29.5	30,551,853.01	858,929.29	0.02811	0.97189	51.87
30.5	36,233,173.17	707,801.44	0.01953	0.98047	50.41
31.5	34,715,244.98	1,026,975.29	0.02958	0.97042	49.43
32.5	33,875,611.55	1,056,510.60	0.03119	0.96881	47.96
33.5	40,866,226.84	3,382,575.59	0.08277	0.91723	46.47
34.5	59,341,926.01	294,622.93	0.00496	0.99504	42.62
35.5	58,189,788.89	528,872.85	0.00909	0.99091	42.41
36.5	57,556,973.12	103,334.19	0.00180	0.99820	42.02
37.5	51,194,575.64	1,581,527.15	0.03089	0.96911	41.95
38.5	47,054,972.62	2,015,259.49	0.04283	0.95717	40.65
39.5	41,667,422.92	221,170.77	0.00531	0.99469	38.91
40.5	34,796,666.47	1,722,737.01	0.04951	0.95049	38.70
41.5	31,562,728.85	2,385,198.95	0.07557	0.92443	36.79
42.5	28,482,298.17	2,720,615.69	0.09552	0.90448	34.01
43.5	18,079,262.11	476,319.57	0.02635	0.97365	30.76
44.5	0.00	0.00	0.00000	0.00000	29.95

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1976 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	484,985,879.96	0.00	0.00000	1.00000	100.00
0.5	440,503,287.31	948,063.56	0.00215	0.99785	100.00
1.5	391,815,073.91	2,186,459.46	0.00558	0.99442	99.79
2.5	340,351,688.91	2,666,224.60	0.00783	0.99217	99.23
3.5	282,440,846.80	3,504,460.60	0.01241	0.98759	98.45
4.5	229,597,600.96	4,235,979.77	0.01845	0.98155	97.23
5.5	187,556,353.86	2,679,830.94	0.01429	0.98571	95.44
6.5	179,239,580.93	1,710,003.70	0.00954	0.99046	94.07
7.5	178,092,908.61	8,413,280.02	0.04724	0.95276	93.17
8.5	151,774,174.60	2,488,904.18	0.01640	0.98360	88.77
9.5	115,448,907.47	2,469,703.12	0.02139	0.97861	87.32
10.5	110,623,858.98	3,746,382.78	0.03387	0.96613	85.45
11.5	107,941,774.98	535,730.87	0.00496	0.99504	82.55
12.5	102,102,632.70	4,157,682.91	0.04072	0.95928	82.15
13.5	101,771,993.94	515,231.89	0.00506	0.99494	78.80
14.5	88,765,569.23	1,055,620.19	0.01189	0.98811	78.40
15.5	90,599,365.59	351,702.77	0.00388	0.99612	77.47
16.5	83,890,241.92	1,083,198.09	0.01291	0.98709	77.17
17.5	82,900,326.80	446,067.20	0.00538	0.99462	76.17
18.5	92,095,030.85	269,697.11	0.00293	0.99707	75.76
19.5	94,111,916.46	454,016.61	0.00482	0.99518	75.54
20.5	94,562,568.81	714,283.71	0.00755	0.99245	75.18
21.5	102,336,882.90	1,045,762.59	0.01022	0.98978	74.61
22.5	124,427,468.88	916,074.68	0.00736	0.99264	73.85
23.5	118,405,043.64	1,196,235.43	0.01010	0.98990	73.30
24.5	116,675,017.15	2,903,332.24	0.02488	0.97512	72.56
25.5	110,967,178.54	1,533,825.57	0.01382	0.98618	70.76
26.5	108,147,631.94	1,726,055.31	0.01596	0.98404	69.78
27.5	95,753,661.97	892,680.20	0.00932	0.99068	68.67
28.5	85,989,072.85	1,656,800.39	0.01927	0.98073	68.03
29.5	77,773,682.06	2,371,698.47	0.03049	0.96951	66.71
30.5	72,850,921.97	1,004,512.96	0.01379	0.98621	64.68
31.5	69,355,788.83	1,282,180.10	0.01849	0.98151	63.79
32.5	67,175,578.98	1,142,846.69	0.01701	0.98299	62.61
33.5	64,181,888.26	3,383,799.59	0.05272	0.94728	61.54
34.5	59,341,926.01	294,622.93	0.00496	0.99504	58.30
35.5	58,189,788.89	528,872.85	0.00909	0.99091	58.01
36.5	57,556,973.12	103,334.19	0.00180	0.99820	57.48
37.5	51,194,575.64	1,581,527.15	0.03089	0.96911	57.38
38.5	47,054,972.62	2,015,259.49	0.04283	0.95717	55.61
39.5	41,667,422.92	221,170.77	0.00531	0.99469	53.23
40.5	34,796,666.47	1,722,737.01	0.04951	0.95049	52.94
41.5	31,562,728.85	2,385,198.95	0.07557	0.92443	50.32
42.5	28,482,298.17	2,720,615.69	0.09552	0.90448	46.52
43.5	18,079,262.11	476,319.57	0.02635	0.97365	42.08
44.5	0.00	0.00	0.00000	0.00000	40.97

Observed Life Table Depreciation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1996 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	402,748,265.43	0.00	0.00000	1.00000	100.00
0.5	364,945,050.35	809,974.46	0.00222	0.99778	100.00
1.5	328,110,494.27	1,680,407.00	0.00512	0.99488	99.78
2.5	290,865,900.94	2,403,371.89	0.00826	0.99174	99.27
3.5	234,808,273.86	3,301,422.75	0.01406	0.98594	98.45
4.5	196,133,291.67	3,832,965.03	0.01954	0.98046	97.06
5.5	144,314,811.71	2,593,473.27	0.01797	0.98203	95.17
6.5	132,491,311.74	1,486,342.69	0.01122	0.98878	93.46
7.5	128,189,974.15	8,398,540.00	0.06552	0.93448	92.41
8.5	102,387,259.90	2,416,994.18	0.02361	0.97639	86.35
9.5	64,729,485.56	2,436,201.23	0.03764	0.96236	84.31
10.5	61,443,694.14	3,674,339.83	0.05980	0.94020	81.14
11.5	52,363,124.33	438,783.49	0.00838	0.99162	76.29
12.5	41,697,193.47	4,070,358.95	0.09762	0.90238	75.65
13.5	36,629,774.16	485,335.57	0.01325	0.98675	68.26
14.5	23,135,730.76	837,414.32	0.03620	0.96380	67.36
15.5	18,987,088.61	149,187.37	0.00786	0.99214	64.92
16.5	13,033,725.14	186,283.21	0.01429	0.98571	64.41
17.5	10,072,154.88	49,546.27	0.00492	0.99508	63.49
18.5	7,461,319.45	56,205.66	0.00753	0.99247	63.18
19.5	5,901,952.24	0.00	0.00000	1.00000	62.70
20.5	1,903,655.22	28,395.47	0.01492	0.98508	62.70
21.5	1,871,949.85	111,571.39	0.05960	0.94040	61.77
22.5	1,760,378.46	60,926.07	0.03461	0.96539	58.09
23.5	267,640.06	0.00	0.00000	1.00000	56.08
24.5	0.00	0.00	0.00000	0.00000	56.08

Scenario: So California Gas Actuarial @ 2020

Account: 352x-Wells

Placement Band: 1996 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	484,985,879.96	0.00	0.00000	1.00000	100.00
0.5	440,503,287.31	948,063.56	0.00215	0.99785	100.00
1.5	391,815,073.91	2,186,459.46	0.00558	0.99442	99.79
2.5	340,351,688.91	2,666,224.60	0.00783	0.99217	99.23
3.5	278,567,927.20	3,504,460.60	0.01258	0.98742	98.45
4.5	221,475,691.59	4,086,317.91	0.01845	0.98155	97.21
5.5	165,337,456.35	2,679,830.94	0.01621	0.98379	95.42
6.5	147,159,531.64	1,710,003.70	0.01162	0.98838	93.87
7.5	139,509,238.43	8,413,280.02	0.06031	0.93969	92.78
8.5	110,280,638.95	2,416,994.18	0.02192	0.97808	87.18
9.5	70,748,069.92	2,444,394.63	0.03455	0.96545	85.27
10.5	63,425,916.63	3,674,339.83	0.05793	0.94207	82.33
11.5	54,342,036.92	438,783.49	0.00807	0.99193	77.56
12.5	43,676,106.06	4,070,358.95	0.09319	0.90681	76.93
13.5	36,958,340.29	485,335.57	0.01313	0.98687	69.76
14.5	23,135,730.76	837,414.32	0.03620	0.96380	68.85
15.5	18,987,088.61	149,187.37	0.00786	0.99214	66.36
16.5	13,033,725.14	186,283.21	0.01429	0.98571	65.83
17.5	10,072,154.88	49,546.27	0.00492	0.99508	64.89
18.5	7,461,319.45	56,205.66	0.00753	0.99247	64.57
19.5	5,901,952.24	0.00	0.00000	1.00000	64.09
20.5	1,903,655.22	28,395.47	0.01492	0.98508	64.09
21.5	1,871,949.85	111,571.39	0.05960	0.94040	63.13
22.5	1,760,378.46	60,926.07	0.03461	0.96539	59.37
23.5	267,640.06	0.00	0.00000	1.00000	57.31
24.5	0.00	0.00	0.00000	0.00000	57.31

Actuarial Life Analysis

Account: 352x-Wells
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1931 - 2003
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1999 -2003	72.5	53.27	0.37260150	L3	73.15
2000 -2004	73.5	49.94	0.39608257	R2.5	67.81
2001 -2005	74.5	50.17	0.21189450	R1	67.83
2002 -2006	75.5	44.28	0.28802142	R1	63.88
2003 -2007	76.5	35.59	0.19349495	R1	57.83
2004 -2008	77.5	56.09	0.08020274	L0	82.41
2005 -2009	78.5	0.00	0.44565939	R2	51.67
2006 -2010	79.5	13.01	0.18588529	R2	55.18
2007 -2011	80.5	12.98	0.18115541	L2	49.61
2008 -2012	81.5	21.66	0.08835295	L1.5	57.10
2009 -2013	82.5	29.56	0.13848427	L1.5	57.31
2010 -2014	83.5	47.64	0.17260709	L0	71.09
2011 -2015	84.5	46.04	0.14855621	L0	71.02
2012 -2016	85.5	13.12	0.05957320	L0	47.20
2013 -2017	86.5	16.49	0.85550710	L0	43.01
2014 -2018	87.5	9.95	0.62262401	L0	40.90
2015 -2019	88.5	2.76	0.36249644	L0	28.09
2016 -2020	89.5	0.00	0.19093276	L0	26.70

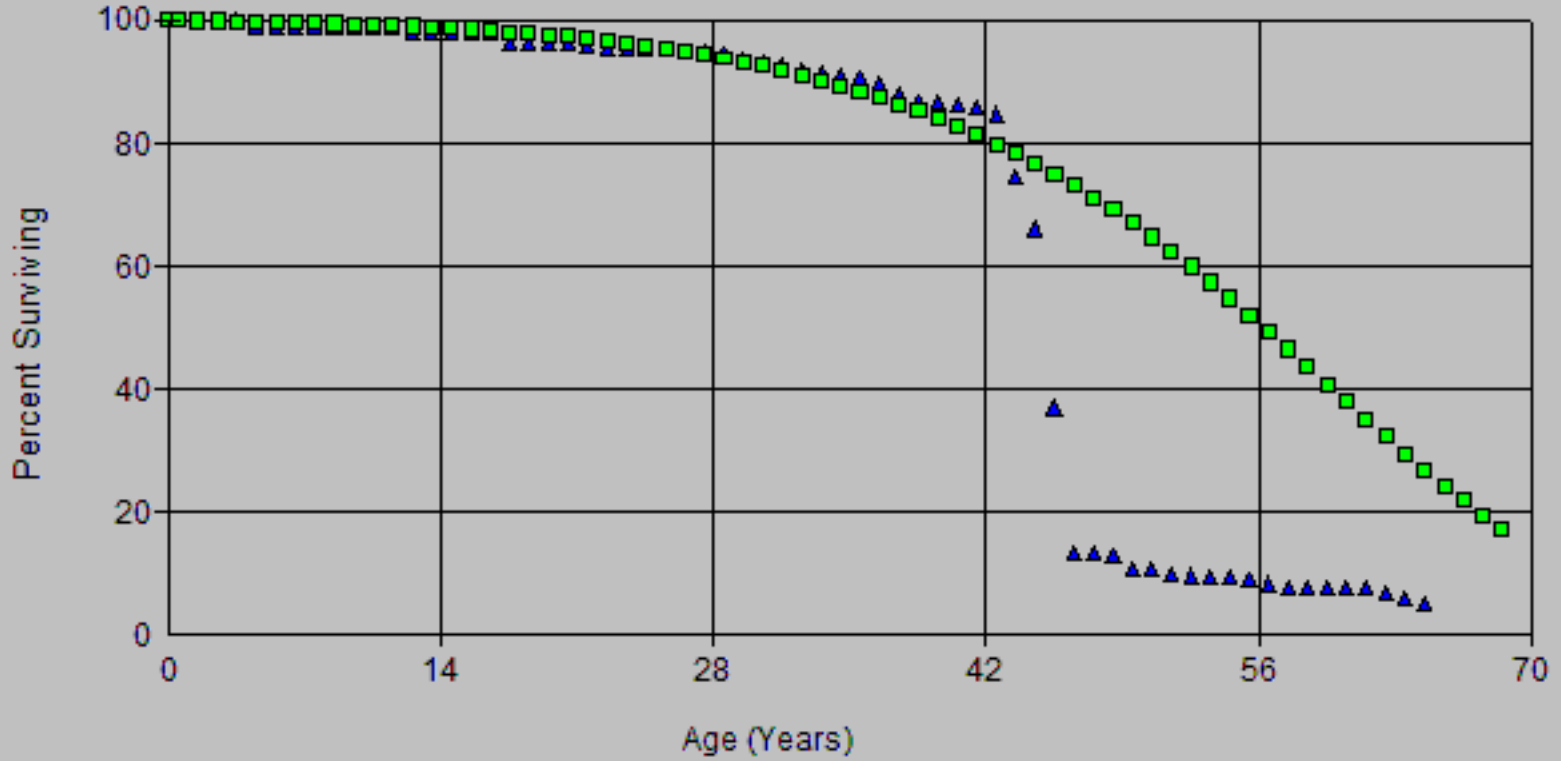
Actuarial Life Analysis

Account: 352x-Wells
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1931 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1999 -2020	89.5	7.34	0.12406169	L0	42.52
2004 -2020	89.5	5.36	0.14188023	L0	38.78
2009 -2020	89.5	2.97	0.16014135	L0	34.58
2014 -2020	89.5	1.08	0.19277671	L0	30.62
2019 -2020	89.5	0.01	0.11574139	L0.5	21.83

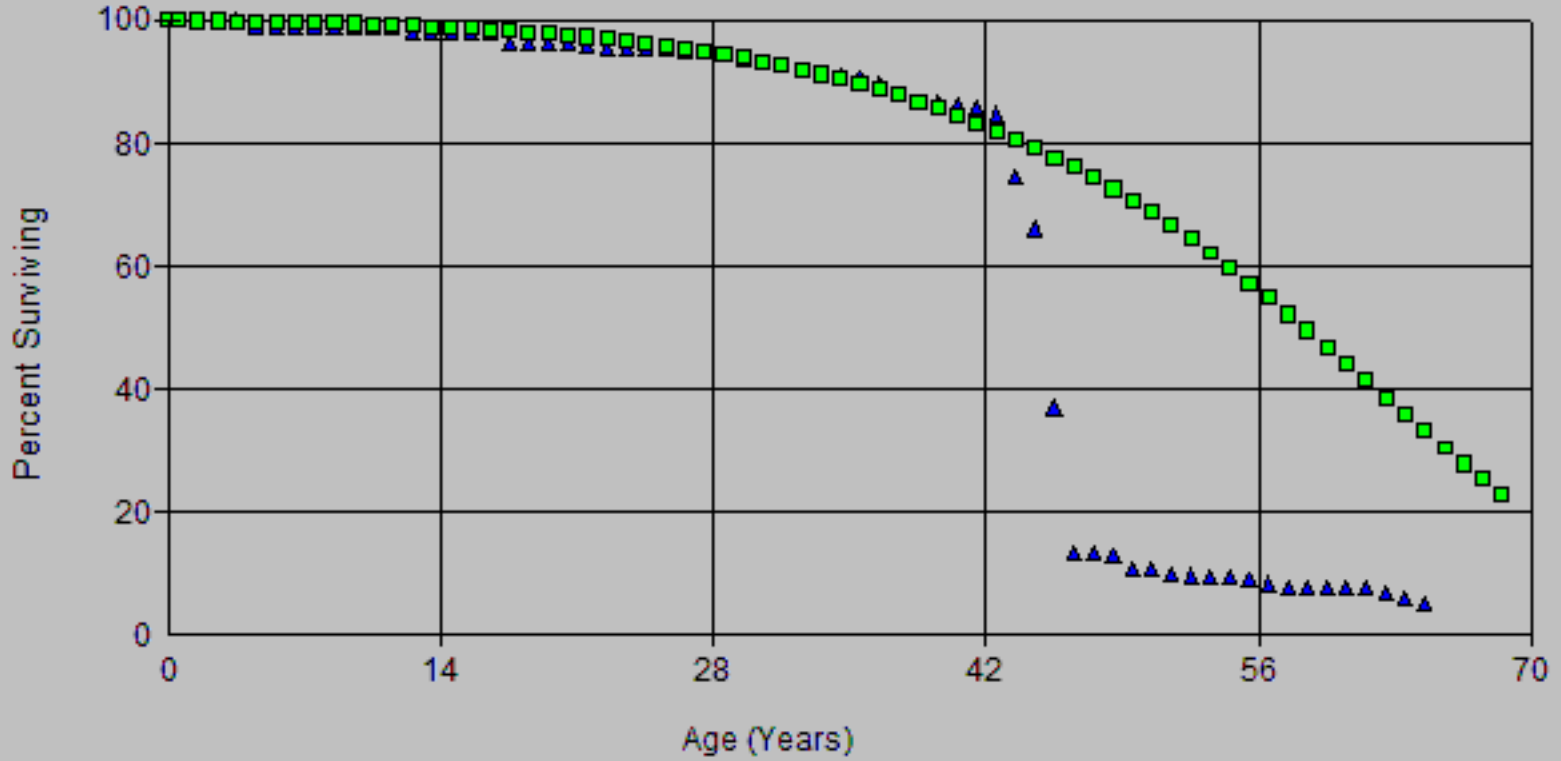
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R3 54.00



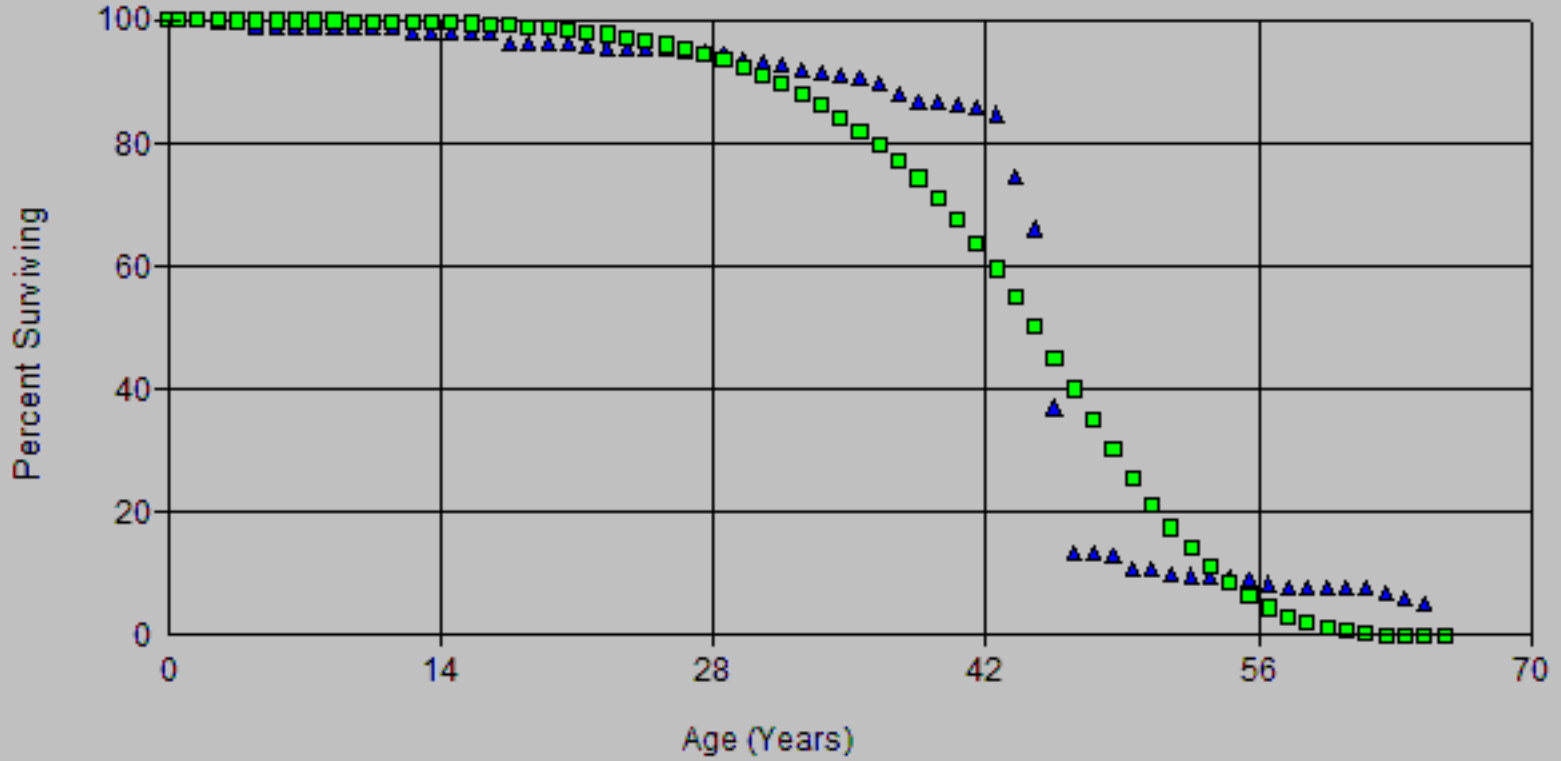
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R3 56.00



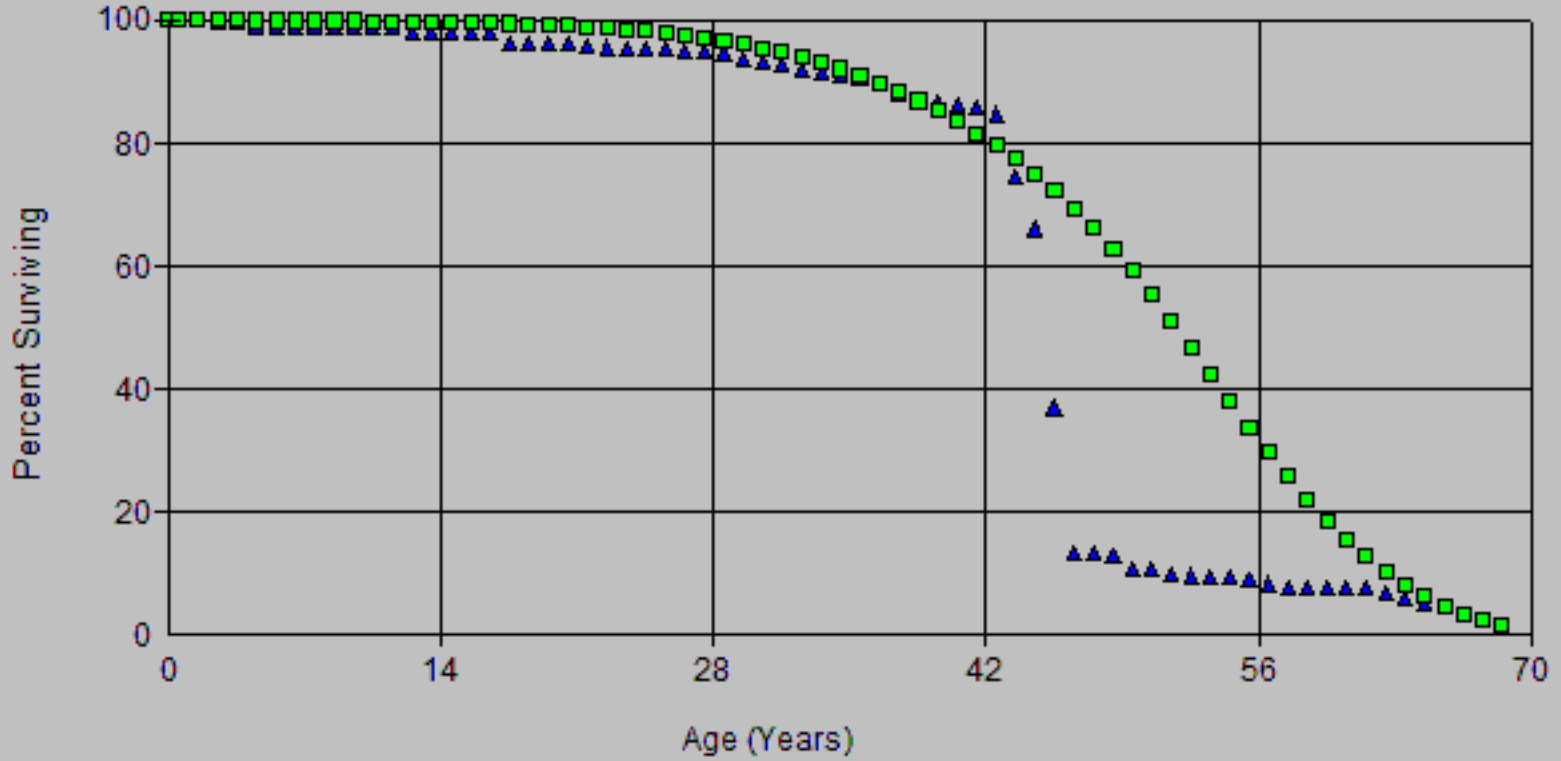
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R4 43.00



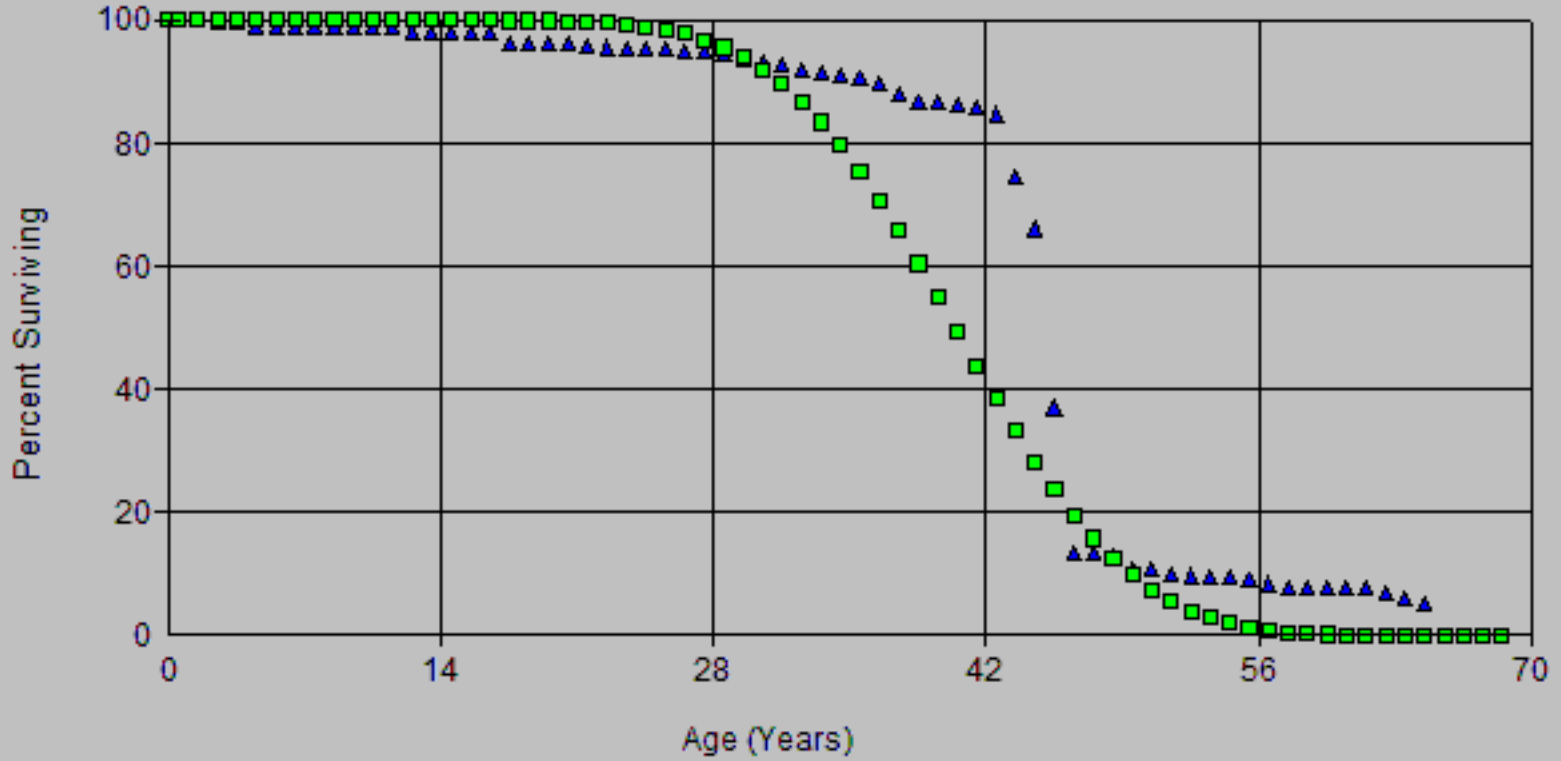
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R4 50.00



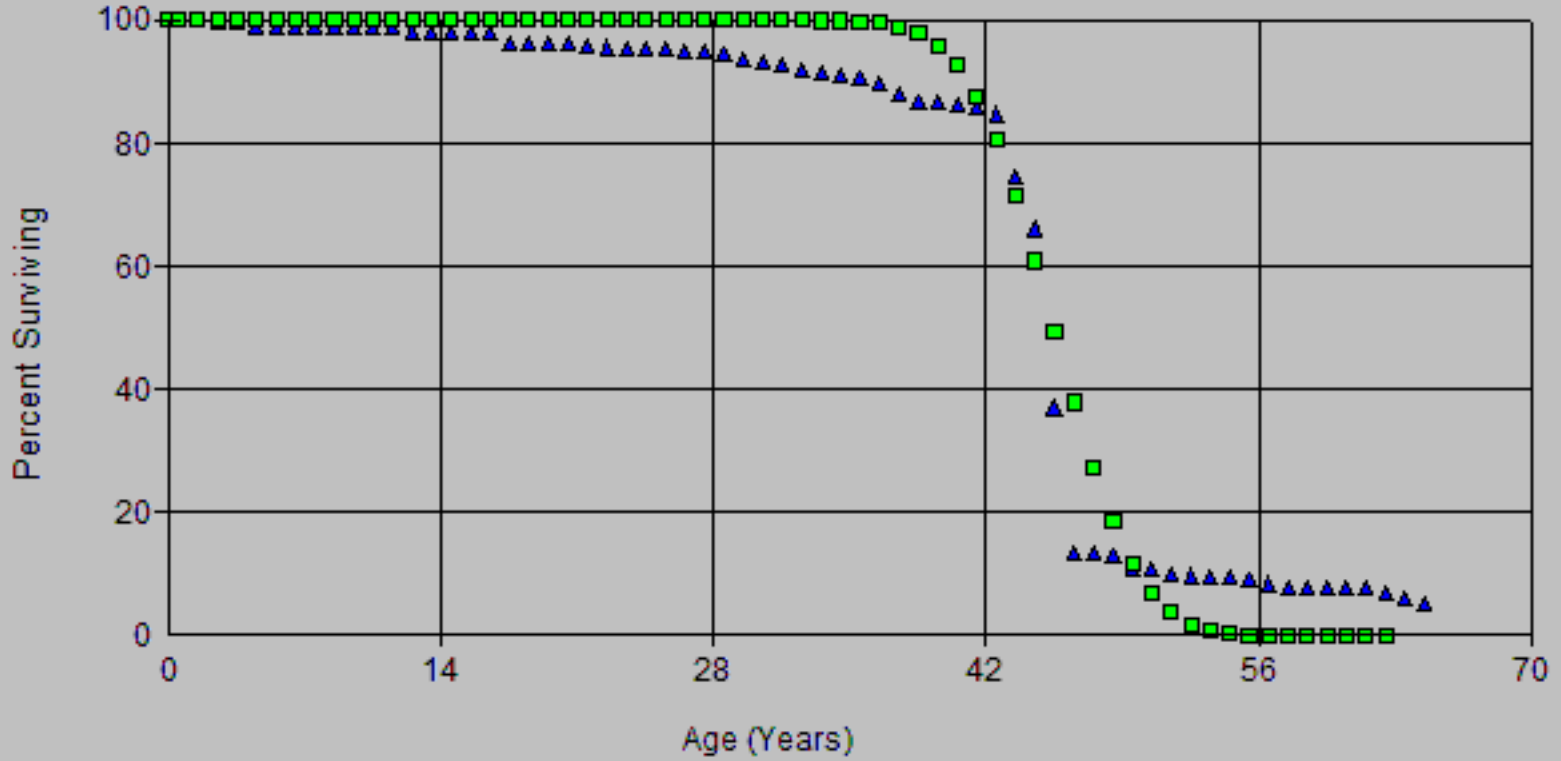
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ S4 40.00



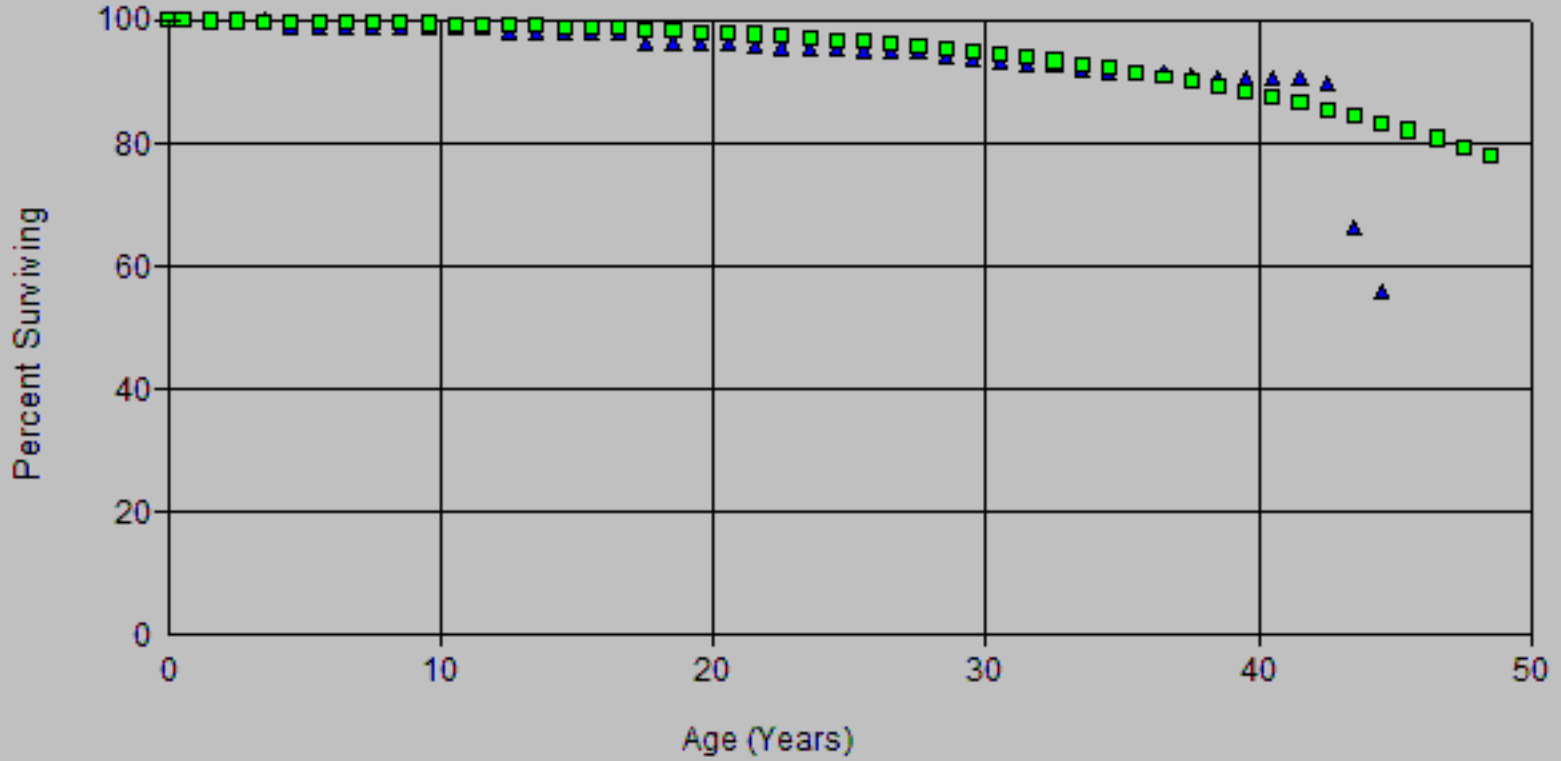
Account Payables Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ S6 45.00



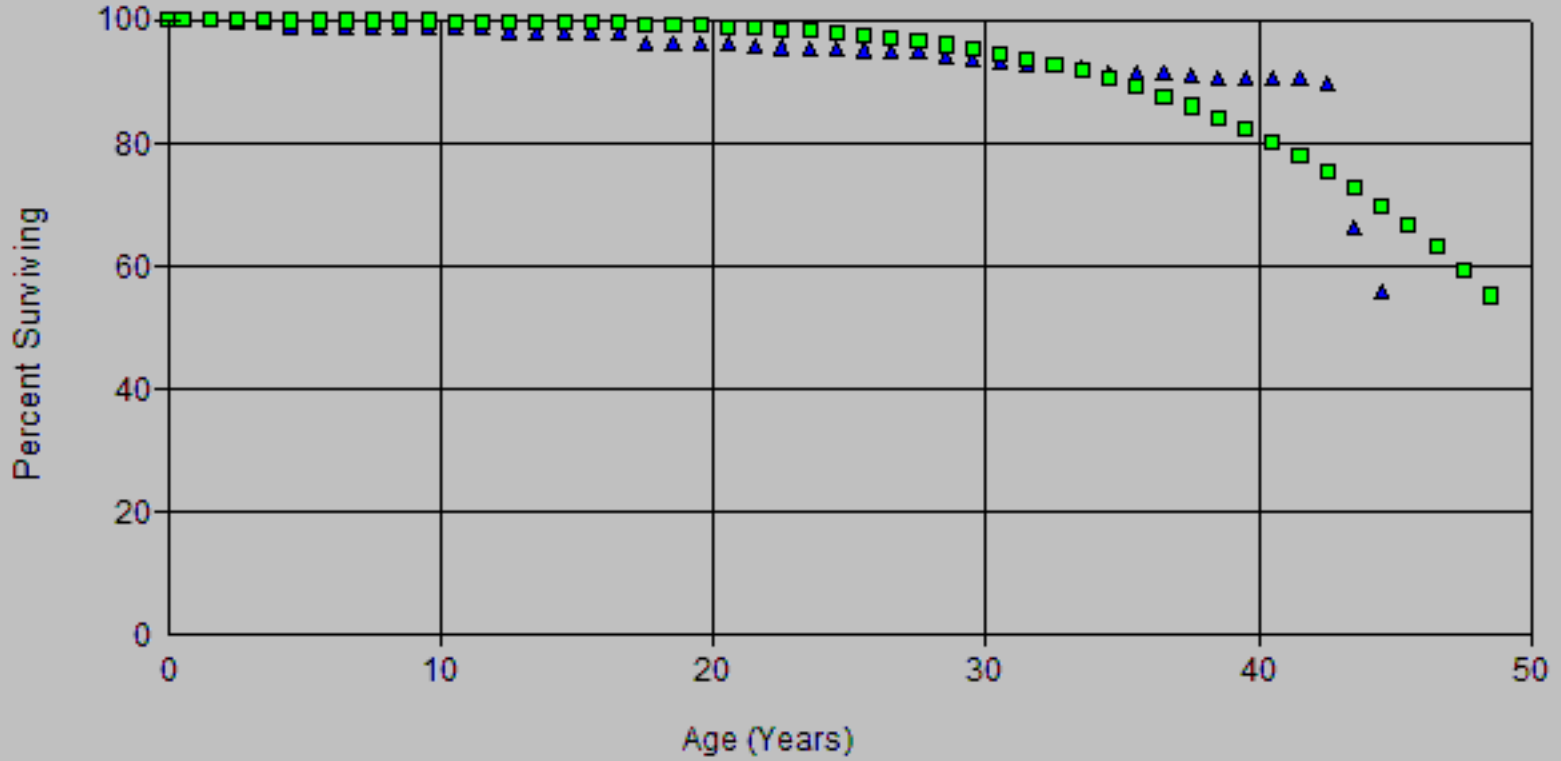
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R3 60.00



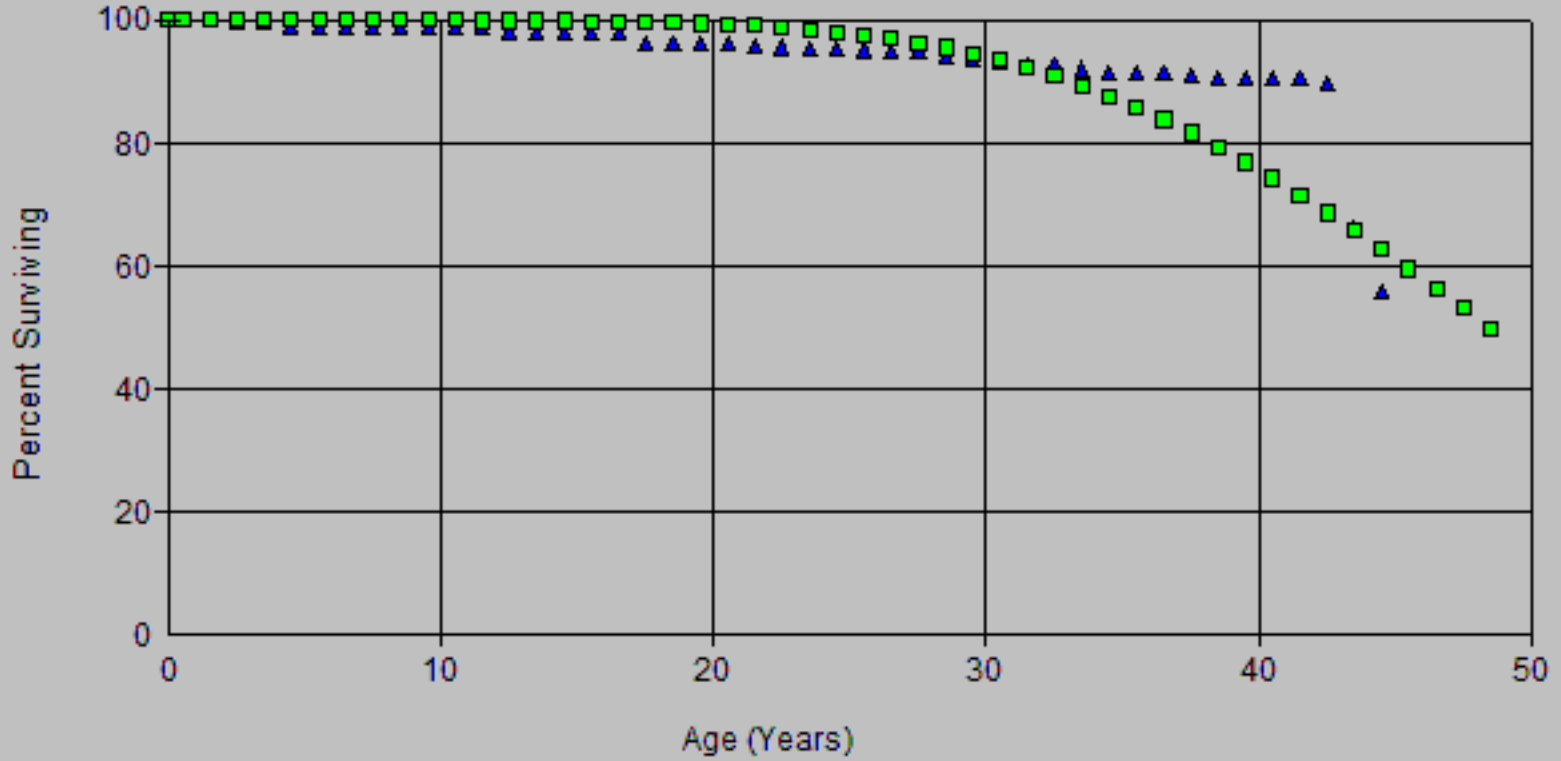
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R4 48.00



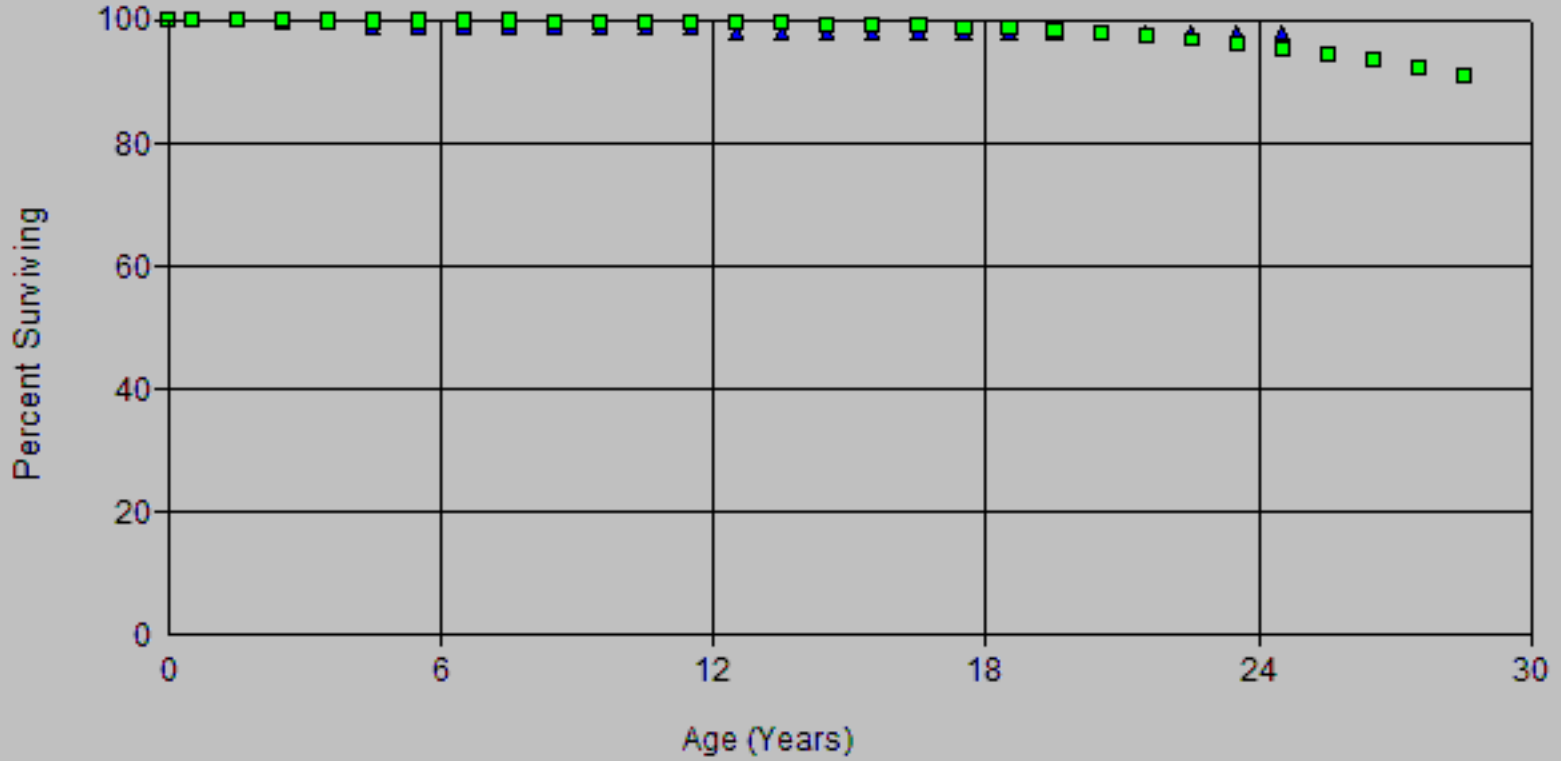
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ S3 48.00



Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R4 40.00



Scenario: So California Gas Actuarial @ 2020

Account: 353x-Lines

Placement Band: 1956 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	139,516,234.73	0.00	0.00000	1.00000	100.00
0.5	118,112,654.18	2,145.77	0.00002	0.99998	100.00
1.5	94,693,987.64	21,059.97	0.00022	0.99978	100.00
2.5	78,334,209.55	36,868.06	0.00047	0.99953	99.98
3.5	64,122,719.14	508,745.30	0.00793	0.99207	99.93
4.5	60,124,256.16	0.00	0.00000	1.00000	99.14
5.5	55,239,128.76	0.00	0.00000	1.00000	99.14
6.5	54,483,915.11	0.00	0.00000	1.00000	99.14
7.5	51,645,828.50	28,178.13	0.00055	0.99945	99.14
8.5	43,154,652.54	48,246.78	0.00112	0.99888	99.08
9.5	36,099,591.63	2,959.05	0.00008	0.99992	98.97
10.5	32,239,526.30	50,166.81	0.00156	0.99844	98.96
11.5	32,009,497.60	162,185.98	0.00507	0.99493	98.81
12.5	32,142,736.15	25,747.19	0.00080	0.99920	98.31
13.5	31,854,096.70	0.00	0.00000	1.00000	98.23
14.5	31,817,175.35	0.00	0.00000	1.00000	98.23
15.5	31,038,669.17	37,614.63	0.00121	0.99879	98.23
16.5	32,066,168.33	562,356.24	0.01754	0.98246	98.11
17.5	32,094,401.64	57,516.64	0.00179	0.99821	96.39
18.5	34,569,585.08	0.00	0.00000	1.00000	96.22
19.5	34,809,097.81	0.00	0.00000	1.00000	96.22
20.5	38,497,897.44	215,316.97	0.00559	0.99441	96.22
21.5	38,960,175.45	26,997.67	0.00069	0.99931	95.68
22.5	38,694,026.72	4,976.30	0.00013	0.99987	95.61
23.5	49,357,540.27	27,366.09	0.00055	0.99945	95.60
24.5	48,689,400.42	140,666.16	0.00289	0.99711	95.55
25.5	49,204,255.51	37,789.19	0.00077	0.99923	95.27
26.5	56,103,203.63	49,773.19	0.00089	0.99911	95.20
27.5	53,571,150.12	253,172.10	0.00473	0.99527	95.11
28.5	52,440,206.51	519,623.62	0.00991	0.99009	94.66
29.5	50,626,026.37	266,521.24	0.00526	0.99474	93.73
30.5	50,602,948.39	294,024.75	0.00581	0.99419	93.23
31.5	49,695,409.85	283,597.49	0.00571	0.99429	92.69
32.5	48,942,020.86	280,859.88	0.00574	0.99426	92.16
33.5	48,410,867.09	343,378.09	0.00709	0.99291	91.63
34.5	47,730,322.70	233,577.95	0.00489	0.99511	90.98
35.5	47,613,950.04	424,728.12	0.00892	0.99108	90.54
36.5	46,593,117.34	882,907.19	0.01895	0.98105	89.73
37.5	41,180,403.13	539,758.66	0.01311	0.98689	88.03
38.5	38,391,470.89	53,124.39	0.00138	0.99862	86.88
39.5	34,712,778.66	144,609.76	0.00417	0.99583	86.76
40.5	31,904,018.01	220,166.05	0.00690	0.99310	86.39
41.5	30,598,953.32	347,638.03	0.01136	0.98864	85.80
42.5	29,480,490.17	3,589,437.54	0.12176	0.87824	84.82
43.5	27,589,775.84	3,114,619.49	0.11289	0.88711	74.49
44.5	16,613,666.01	7,287,436.52	0.43864	0.56136	66.08
45.5	8,084,238.54	5,176,501.53	0.64032	0.35968	37.10
46.5	2,731,791.02	21,571.30	0.00790	0.99210	13.34
47.5	2,755,202.20	87,804.18	0.03187	0.96813	13.24
48.5	2,663,091.02	429,271.07	0.16119	0.83881	12.82
49.5	2,229,501.13	4,176.42	0.00187	0.99813	10.75
50.5	2,222,962.74	199,879.59	0.08992	0.91008	10.73
51.5	1,923,036.31	7,139.04	0.00371	0.99629	9.77
52.5	1,903,331.82	28,709.61	0.01561	0.98439	9.73

Scenario: So California Gas Actuarial @ 2020

Account: 353x-Lines

Placement Band: 1956 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,848,844.46	41,999.74	0.02272	0.97728	9.58
54.5	1,703,075.19	25,697.65	0.01509	0.98491	9.36
55.5	1,677,377.54	138,752.68	0.08272	0.91728	9.22
56.5	1,506,285.93	95,639.14	0.06349	0.93651	8.46
57.5	1,342,387.88	6,135.96	0.00457	0.99543	7.92
58.5	1,214,116.53	347.64	0.00029	0.99971	7.88
59.5	1,066,016.17	8,576.44	0.00805	0.99195	7.88
60.5	860,624.06	513.77	0.00060	0.99940	7.82
61.5	841,920.98	89,416.37	0.10621	0.89379	7.81
62.5	745,350.96	89,163.38	0.11963	0.88037	6.98
63.5	535,286.42	96,907.50	0.18104	0.81896	6.15
64.5	0.00	0.00	0.00000	0.00000	5.03

Scenario: So California Gas Actuarial @ 2020

Account: 353x-Lines

Placement Band: 1976 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	139,516,234.73	0.00	0.00000	1.00000	100.00
0.5	118,112,654.18	2,145.77	0.00002	0.99998	100.00
1.5	94,693,987.64	21,059.97	0.00022	0.99978	100.00
2.5	78,334,209.55	36,868.06	0.00047	0.99953	99.98
3.5	64,122,719.14	508,745.30	0.00793	0.99207	99.93
4.5	60,124,256.16	0.00	0.00000	1.00000	99.14
5.5	55,239,128.76	0.00	0.00000	1.00000	99.14
6.5	54,483,915.11	0.00	0.00000	1.00000	99.14
7.5	51,645,828.50	28,178.13	0.00055	0.99945	99.14
8.5	43,154,652.54	48,246.78	0.00112	0.99888	99.08
9.5	36,099,591.63	2,959.05	0.00008	0.99992	98.97
10.5	32,239,526.30	50,166.81	0.00156	0.99844	98.96
11.5	32,009,497.60	162,185.98	0.00507	0.99493	98.81
12.5	32,142,736.15	25,747.19	0.00080	0.99920	98.31
13.5	31,854,096.70	0.00	0.00000	1.00000	98.23
14.5	31,817,175.35	0.00	0.00000	1.00000	98.23
15.5	31,038,669.17	37,614.63	0.00121	0.99879	98.23
16.5	32,066,168.33	562,356.24	0.01754	0.98246	98.11
17.5	32,094,401.64	57,516.64	0.00179	0.99821	96.39
18.5	34,569,585.08	0.00	0.00000	1.00000	96.22
19.5	34,809,097.81	0.00	0.00000	1.00000	96.22
20.5	38,497,897.44	215,316.97	0.00559	0.99441	96.22
21.5	38,960,175.45	26,997.67	0.00069	0.99931	95.68
22.5	38,694,026.72	4,976.30	0.00013	0.99987	95.61
23.5	49,357,540.27	27,366.09	0.00055	0.99945	95.60
24.5	42,300,712.12	140,666.16	0.00333	0.99667	95.55
25.5	39,397,113.46	37,789.19	0.00096	0.99904	95.23
26.5	38,552,372.40	49,773.19	0.00129	0.99871	95.14
27.5	35,015,092.30	251,414.85	0.00718	0.99282	95.02
28.5	33,757,800.79	278,778.23	0.00826	0.99174	94.33
29.5	32,287,041.07	109,421.27	0.00339	0.99661	93.55
30.5	32,177,619.80	150,856.17	0.00469	0.99531	93.24
31.5	31,394,800.61	11,188.44	0.00036	0.99964	92.80
32.5	30,695,122.04	195,341.02	0.00636	0.99364	92.77
33.5	30,081,061.22	188,028.52	0.00625	0.99375	92.18
34.5	29,777,876.62	17,333.04	0.00058	0.99942	91.60
35.5	29,678,944.19	0.00	0.00000	1.00000	91.55
36.5	28,963,615.62	207,764.01	0.00717	0.99283	91.55
37.5	24,213,693.40	70,843.49	0.00293	0.99707	90.89
38.5	21,771,078.55	31,633.28	0.00145	0.99855	90.63
39.5	17,873,485.27	0.00	0.00000	1.00000	90.50
40.5	15,163,015.45	0.00	0.00000	1.00000	90.50
41.5	14,054,648.63	99,327.93	0.00707	0.99293	90.50
42.5	12,925,004.41	3,362,317.73	0.26014	0.73986	89.86
43.5	9,241,676.26	1,470,100.92	0.15907	0.84093	66.48
44.5	0.00	0.00	0.00000	0.00000	55.91

Scenario: So California Gas Actuarial @ 2020

Account: 353x-Lines

Placement Band: 1996 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	139,516,234.73	0.00	0.00000	1.00000	100.00
0.5	118,112,654.18	2,145.77	0.00002	0.99998	100.00
1.5	94,693,987.64	21,059.97	0.00022	0.99978	100.00
2.5	78,334,209.55	36,868.06	0.00047	0.99953	99.98
3.5	64,122,719.14	508,745.30	0.00793	0.99207	99.93
4.5	56,273,733.70	0.00	0.00000	1.00000	99.14
5.5	50,474,801.03	0.00	0.00000	1.00000	99.14
6.5	47,112,766.85	0.00	0.00000	1.00000	99.14
7.5	42,331,141.48	0.00	0.00000	1.00000	99.14
8.5	33,296,737.09	48,246.78	0.00145	0.99855	99.14
9.5	26,291,969.27	2,959.05	0.00011	0.99989	98.99
10.5	21,630,455.05	23,969.39	0.00111	0.99889	98.98
11.5	20,442,257.17	162,185.98	0.00793	0.99207	98.87
12.5	19,241,172.52	0.00	0.00000	1.00000	98.09
13.5	18,009,381.10	0.00	0.00000	1.00000	98.09
14.5	17,394,975.03	0.00	0.00000	1.00000	98.09
15.5	16,398,047.90	0.00	0.00000	1.00000	98.09
16.5	14,079,762.05	0.00	0.00000	1.00000	98.09
17.5	12,276,315.75	0.00	0.00000	1.00000	98.09
18.5	11,016,300.83	0.00	0.00000	1.00000	98.09
19.5	8,652,276.67	0.00	0.00000	1.00000	98.09
20.5	8,300,373.48	0.00	0.00000	1.00000	98.09
21.5	7,732,846.84	0.00	0.00000	1.00000	98.09
22.5	7,255,228.39	0.00	0.00000	1.00000	98.09
23.5	7,006,202.06	0.00	0.00000	1.00000	98.09
24.5	0.00	0.00	0.00000	0.00000	98.09

Actuarial Life Analysis

Account: 353x-Lines
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1956 - 2004
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2000 -2004	48.5	84.86	0.00732557	R3	73.41
2001 -2005	49.5	51.50	0.04924646	R3	54.82
2002 -2006	50.5	44.85	0.05987109	S1.5	52.02
2003 -2007	51.5	46.12	0.04555231	R3	48.89
2004 -2008	52.5	36.56	0.11349383	L3	47.50
2005 -2009	53.5	44.05	0.04640408	R2	48.01
2006 -2010	54.5	62.11	0.09327561	L1.5	62.10
2007 -2011	55.5	69.51	0.03981239	L1	78.52
2008 -2012	56.5	61.43	0.02865148	R1.5	64.96
2009 -2013	57.5	46.31	0.03653130	R1.5	57.68
2010 -2014	58.5	48.58	0.03498243	R2.5	57.10
2011 -2015	59.5	34.52	0.14504345	L3	52.72
2012 -2016	60.5	52.36	0.02725773	R3	57.15
2013 -2017	61.5	61.11	0.01576700	S2.5	64.18
2014 -2018	62.5	74.72	0.02528775	S2	85.02
2015 -2019	63.5	2.05	0.26677195	SQ	45.80
2016 -2020	64.5	0.31	0.20383296	SQ	44.72

Actuarial Life Analysis

Account: 353x-Lines
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1956 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

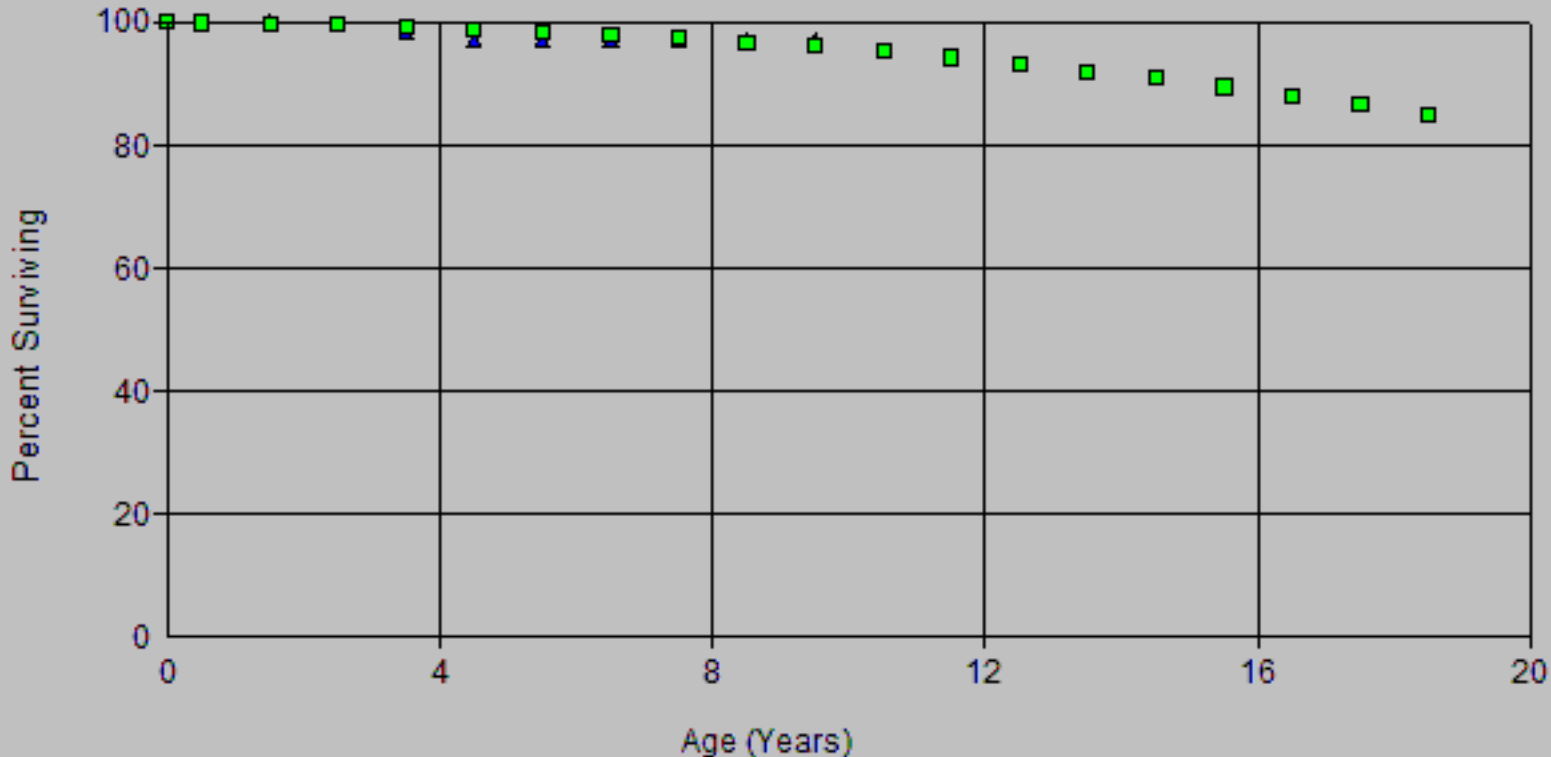
Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2000 -2020	64.5	5.03	0.28778364	S6	44.39
2005 -2020	64.5	2.45	0.36525404	S6	43.36
2010 -2020	64.5	1.46	0.31074232	S6	43.76
2015 -2020	64.5	0.94	0.21368847	SQ	44.96
2020 -2020	64.5	0.32	0.69510596	S6	40.90

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Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L1 40.00

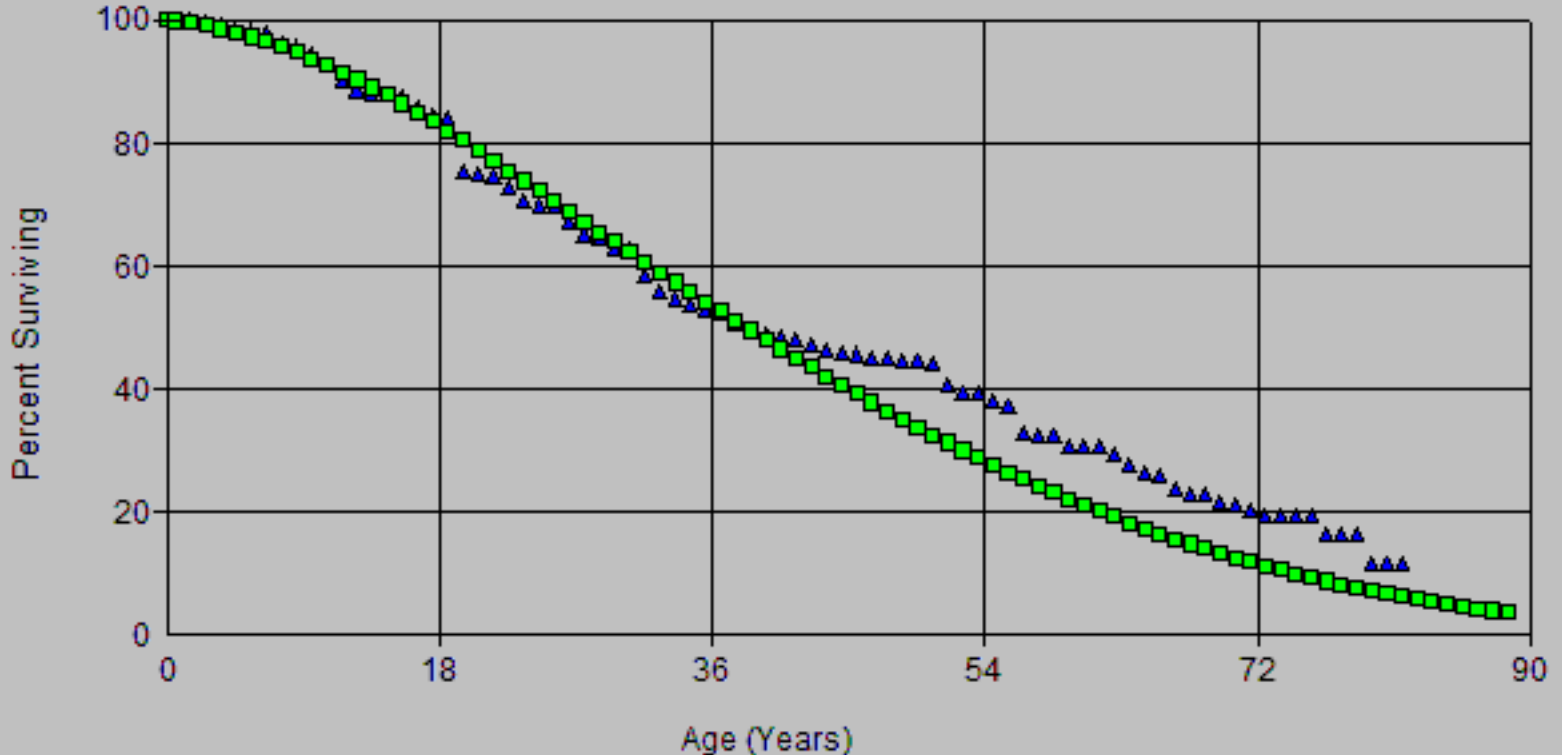


Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

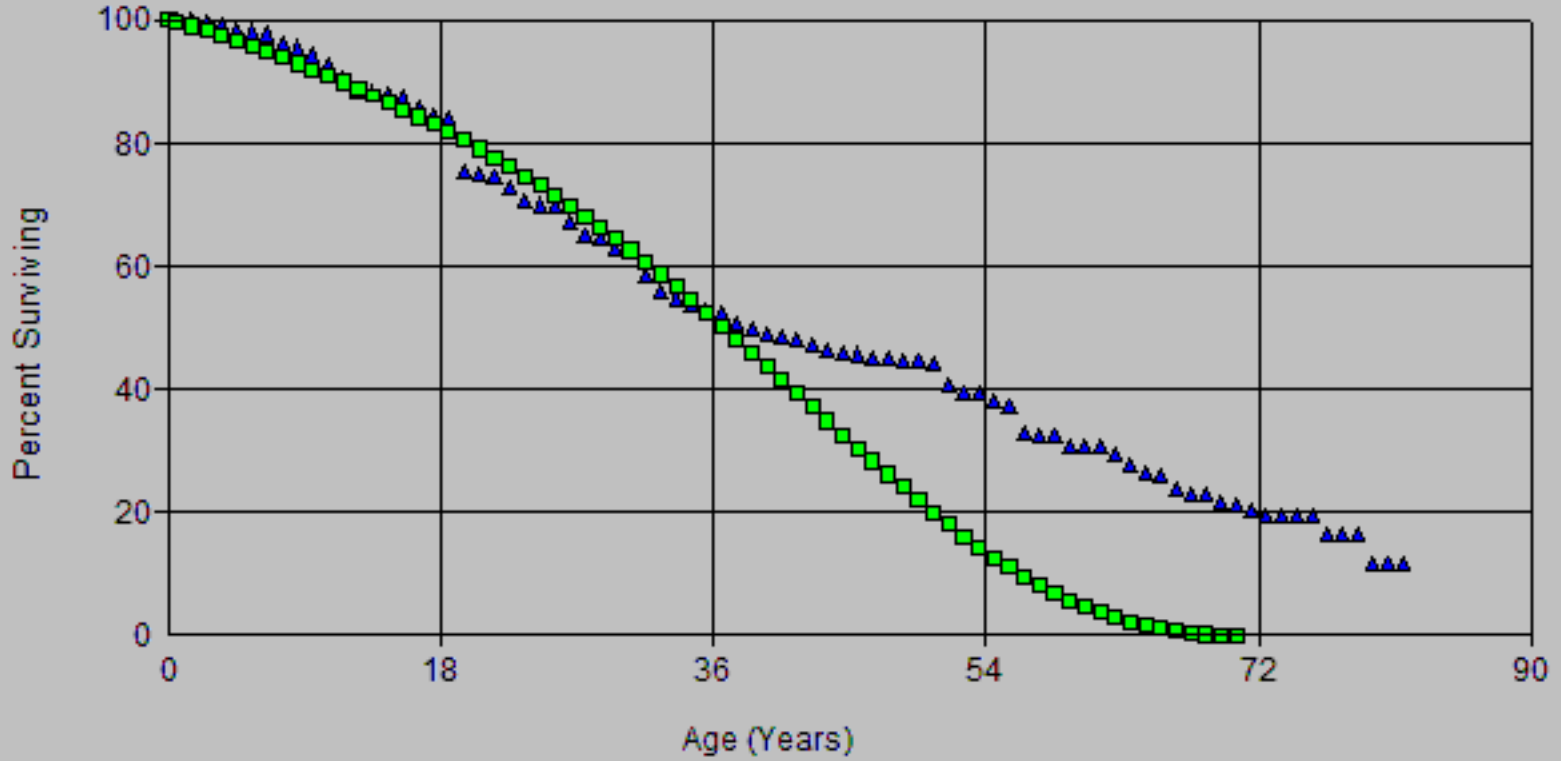
■ L0.5 41.00



Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R1 35.00

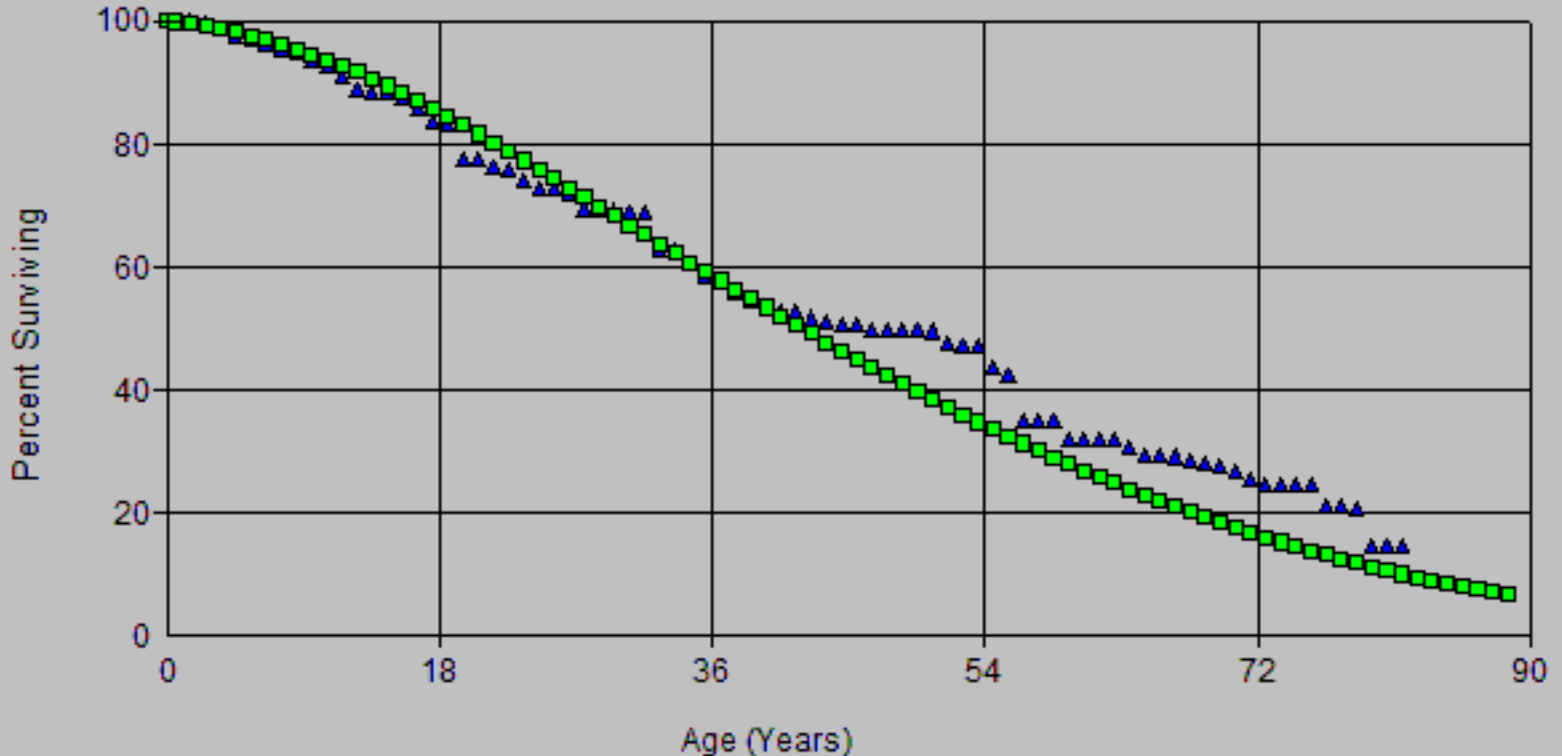


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Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 45.00



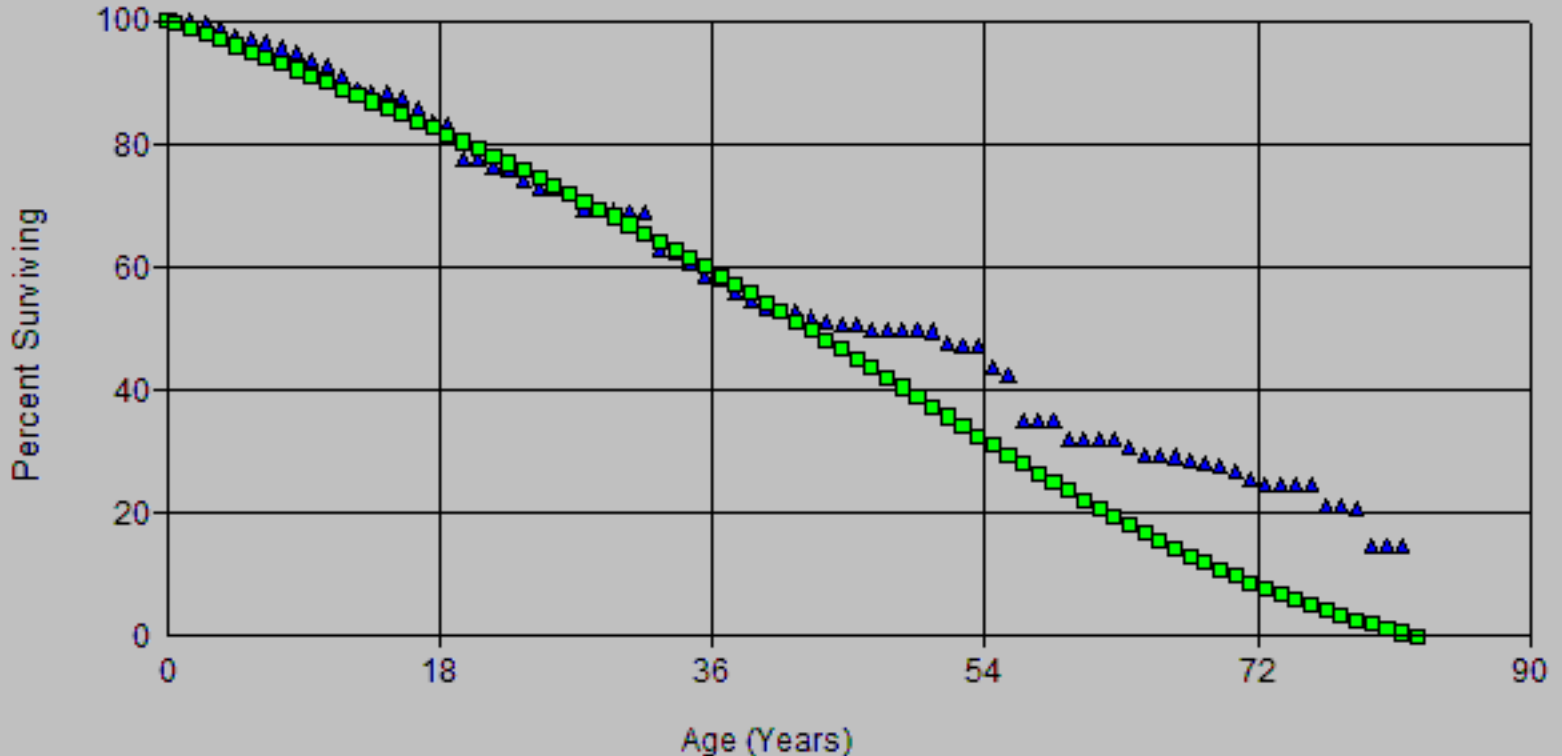
SoCalGas
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Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ R0.5 41.00

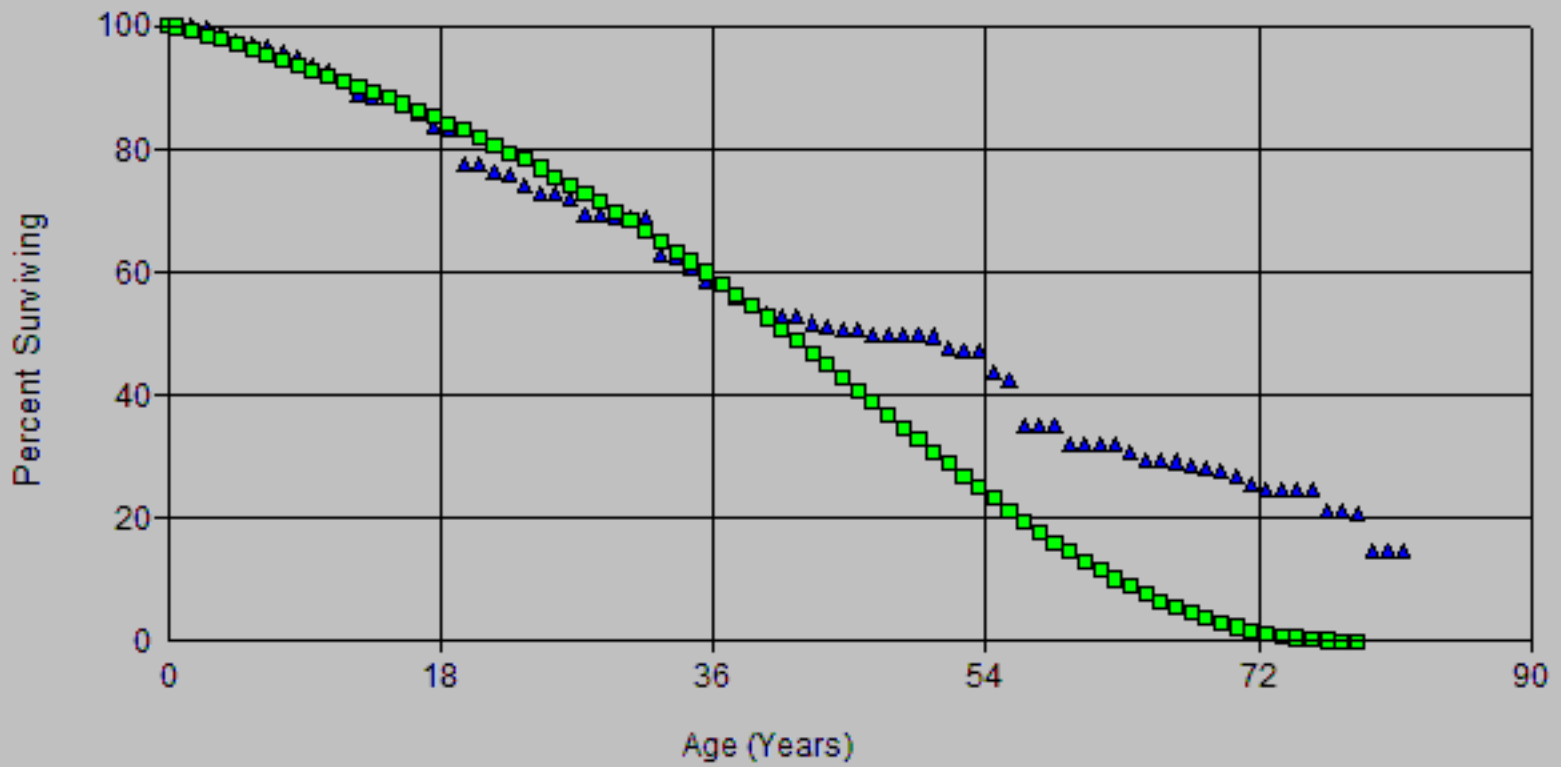


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Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R1 39.00

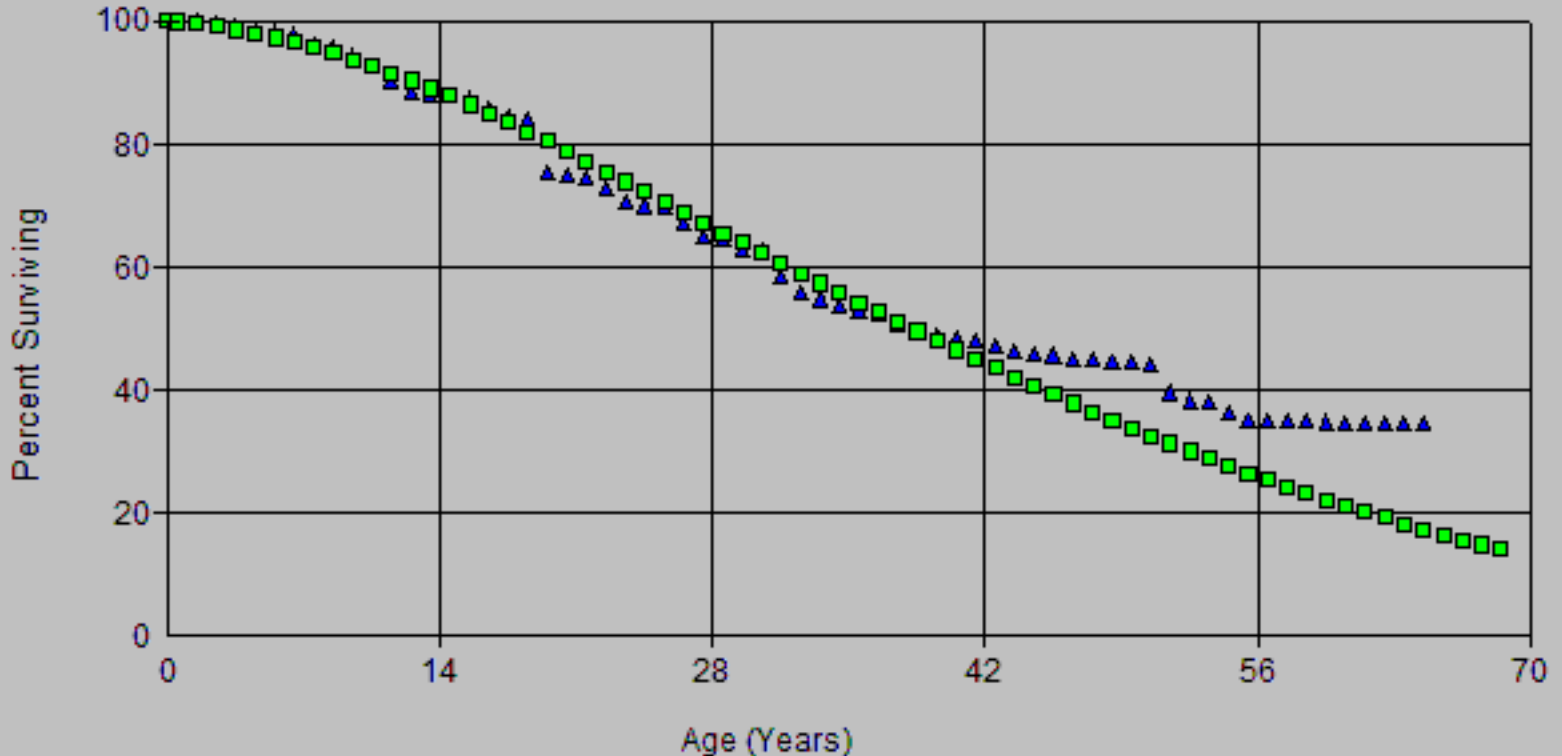


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 41.00

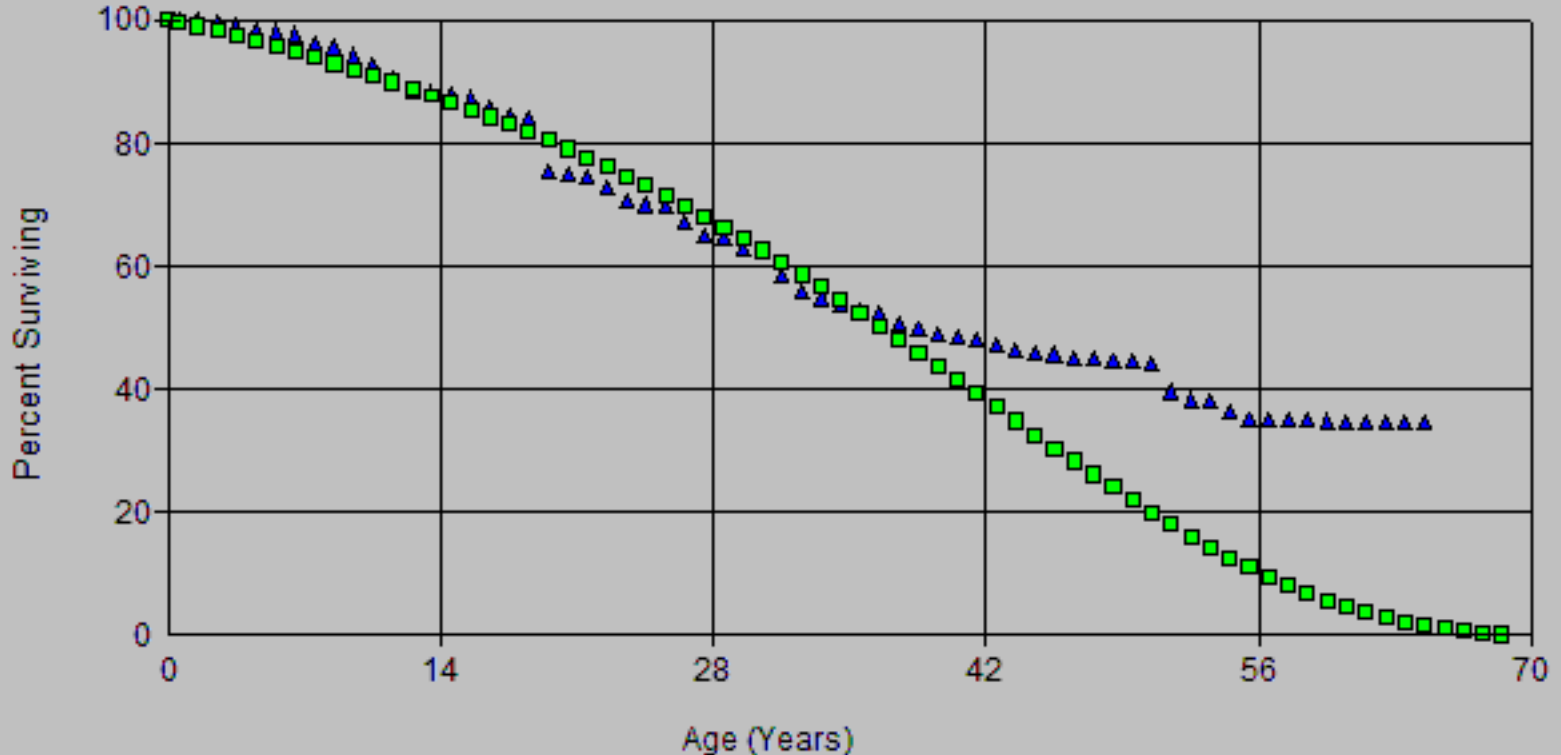


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 Deprecation Workpapers

Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

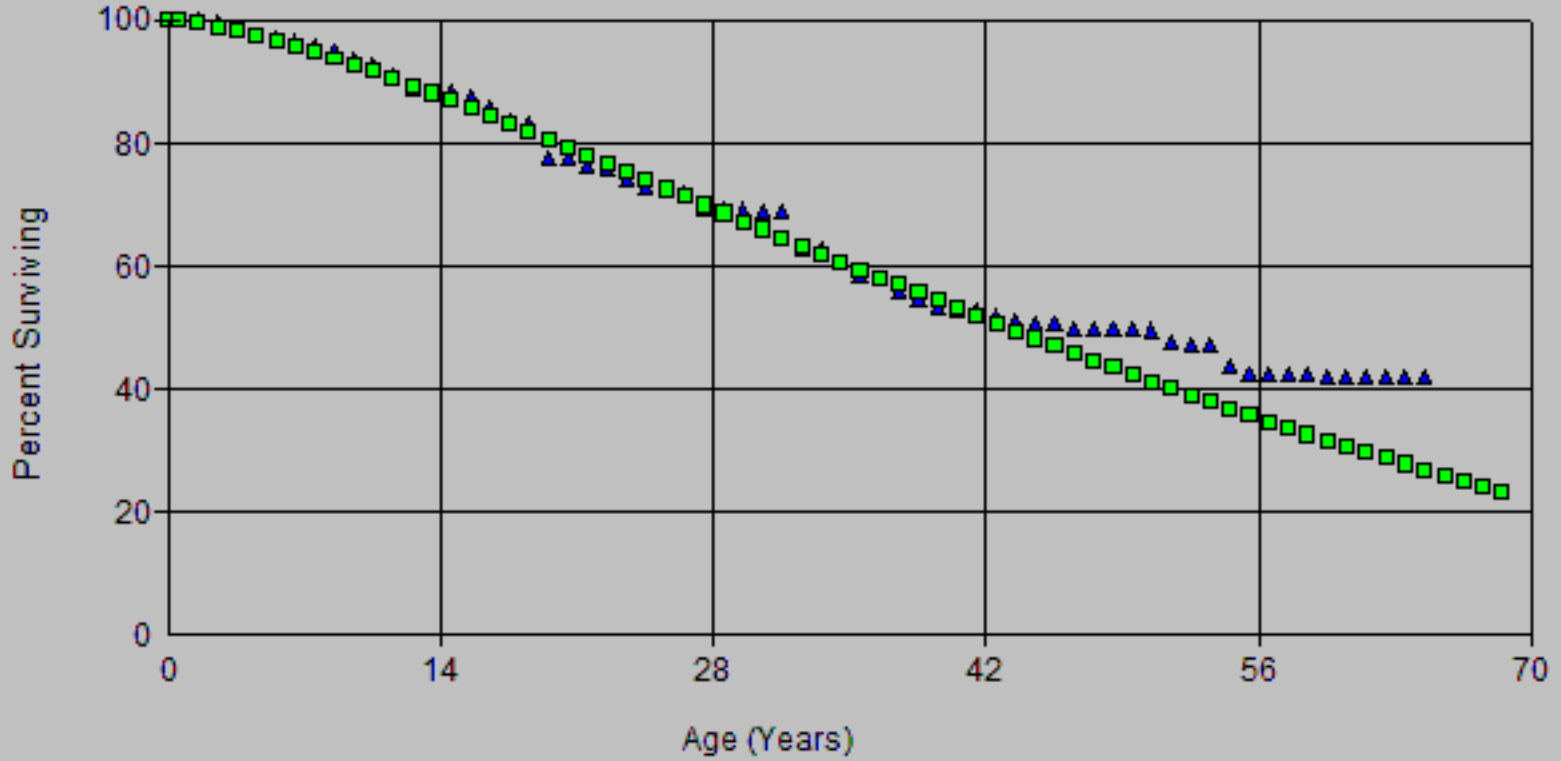
▲ Actual Data ■ R1 35.00



Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0 47.00

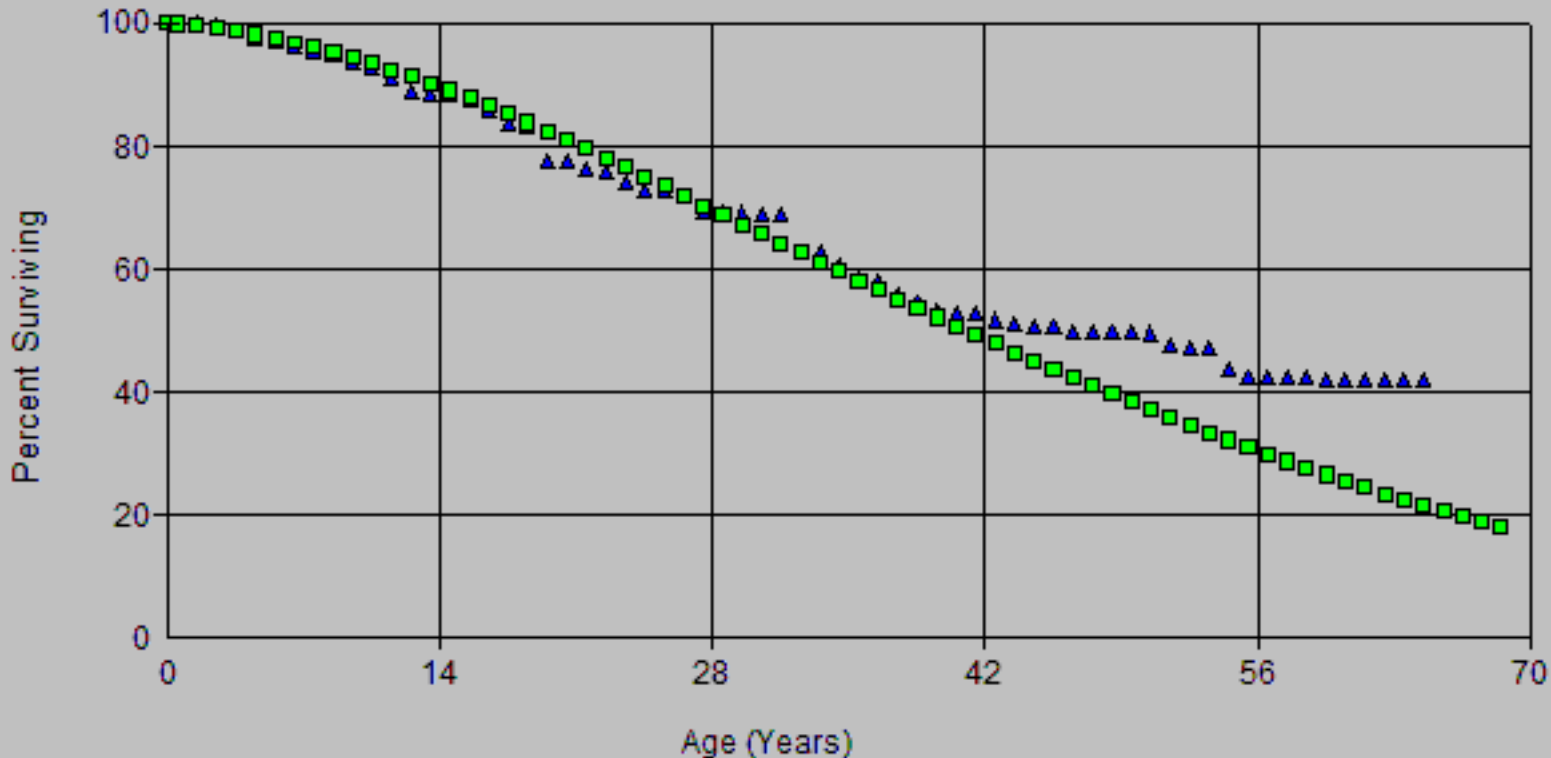


Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

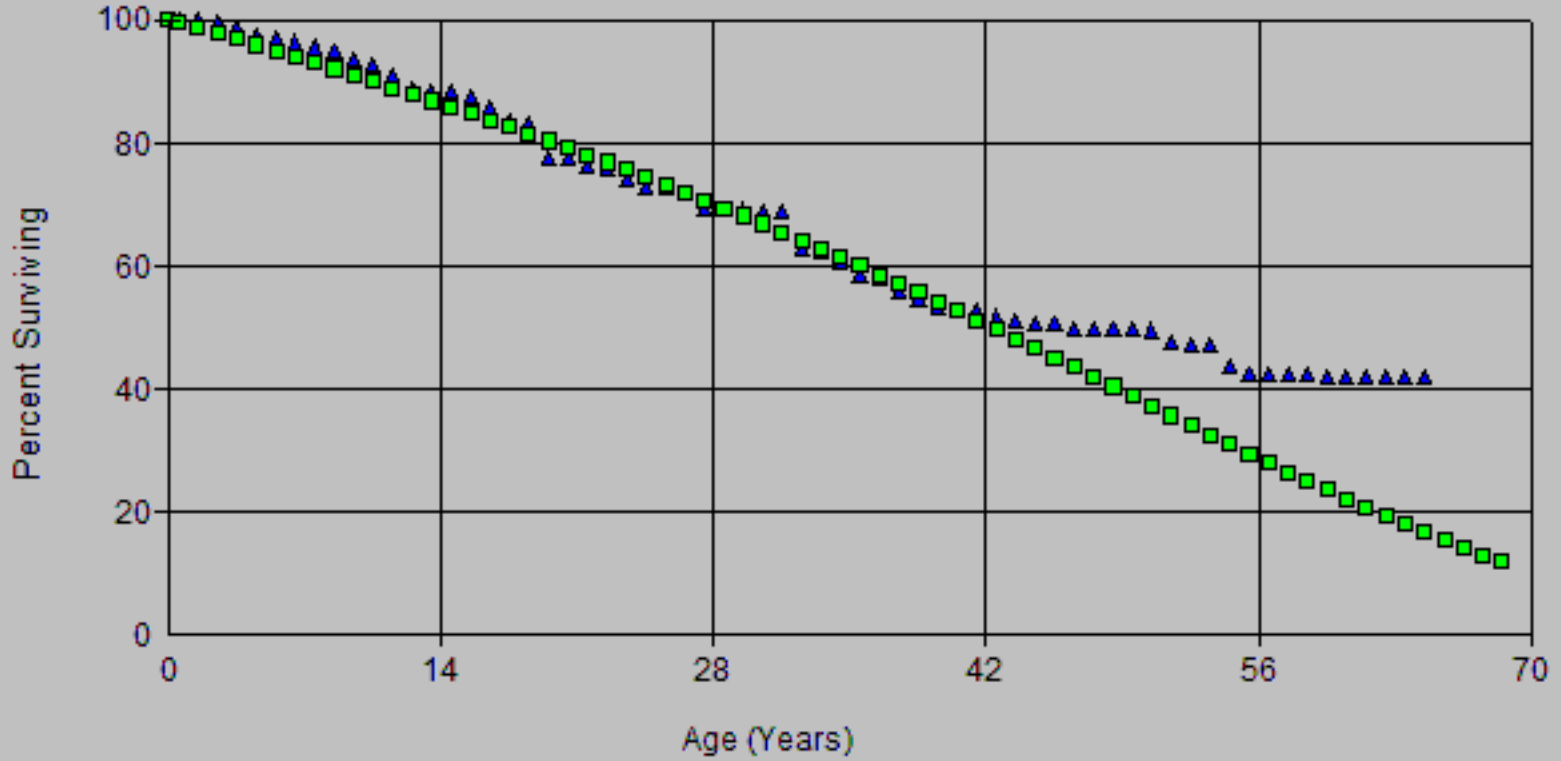
■ L0.5 44.00



Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 41.00

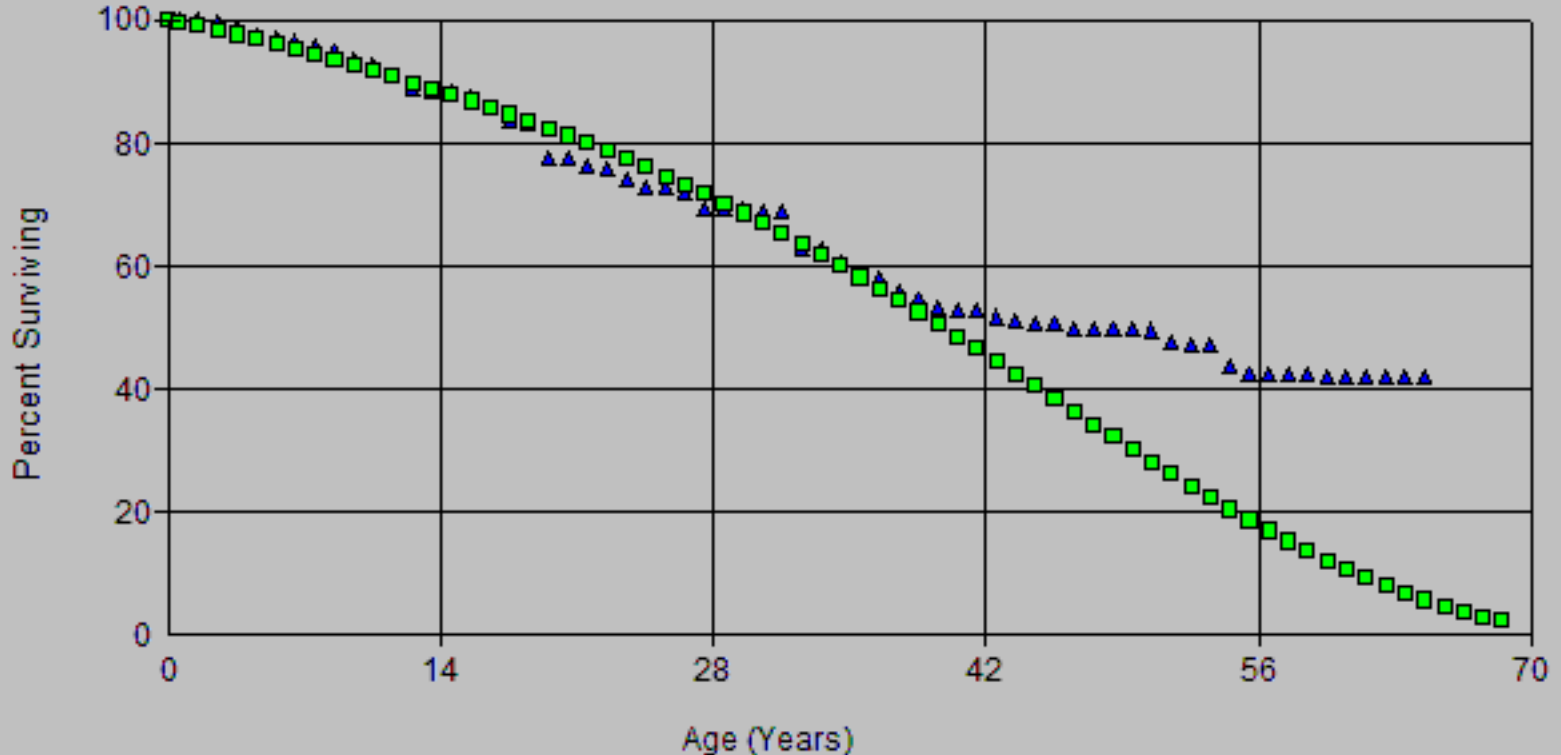


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Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

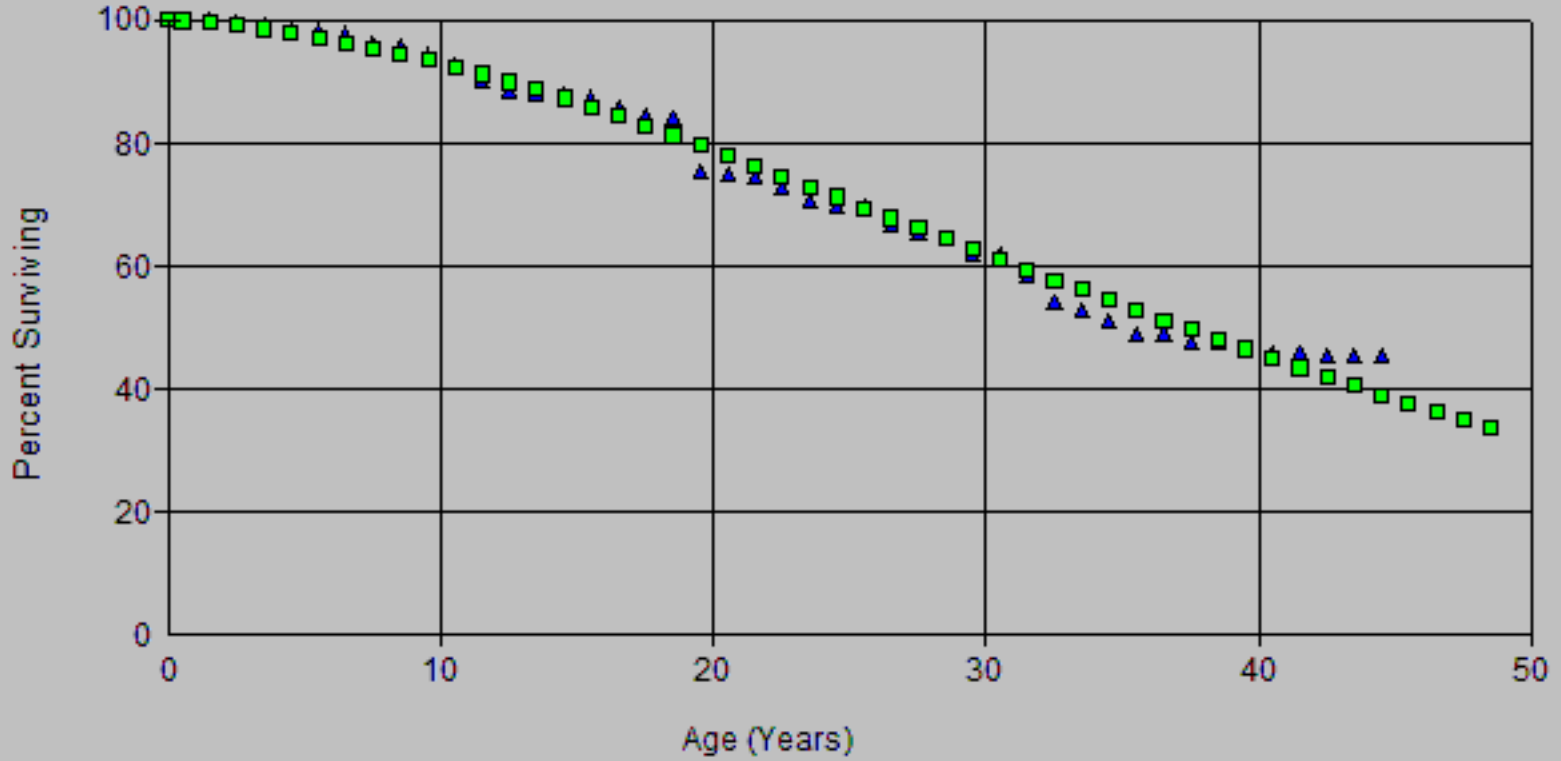
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Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 40.00

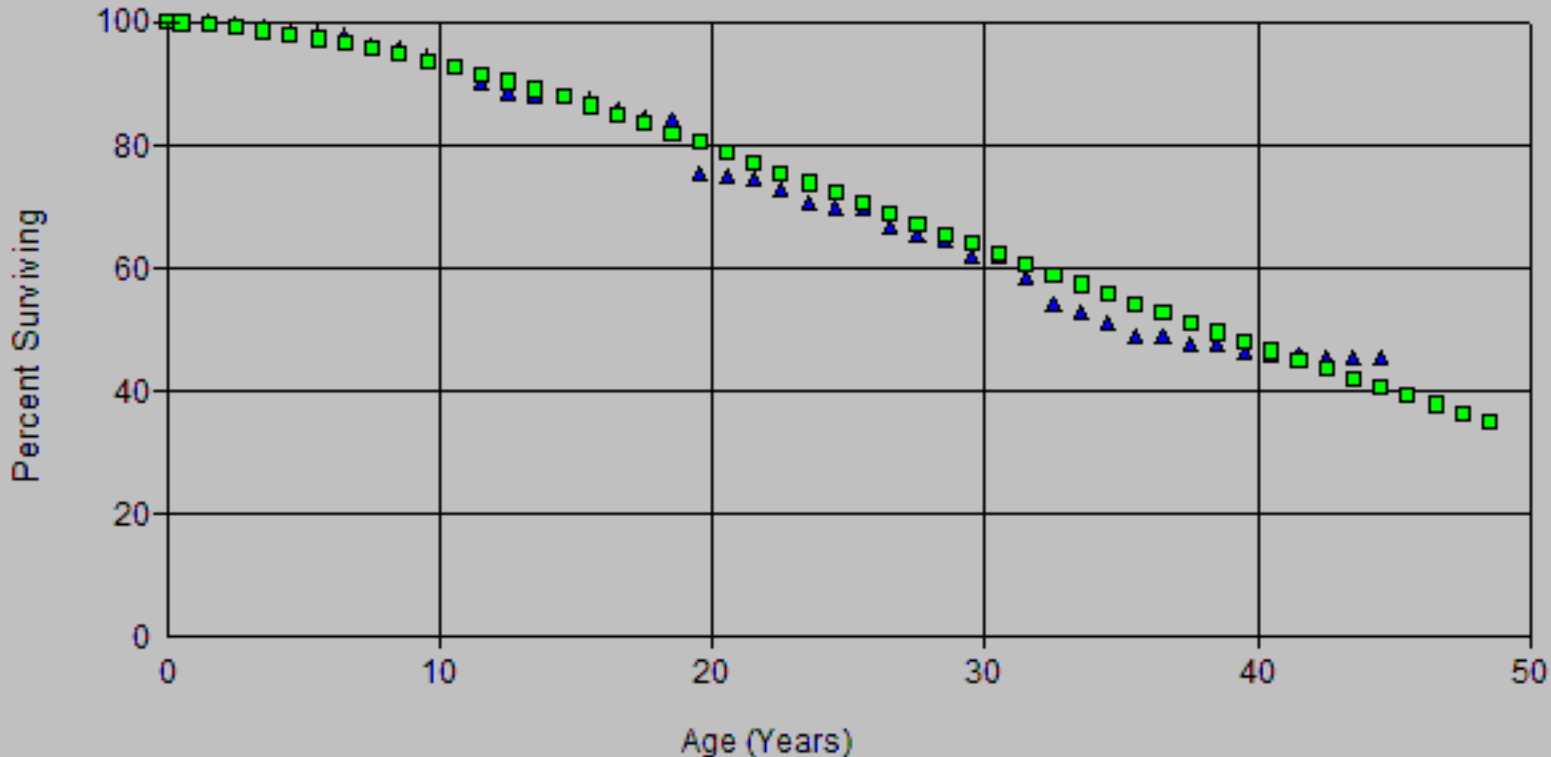


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Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 41.00

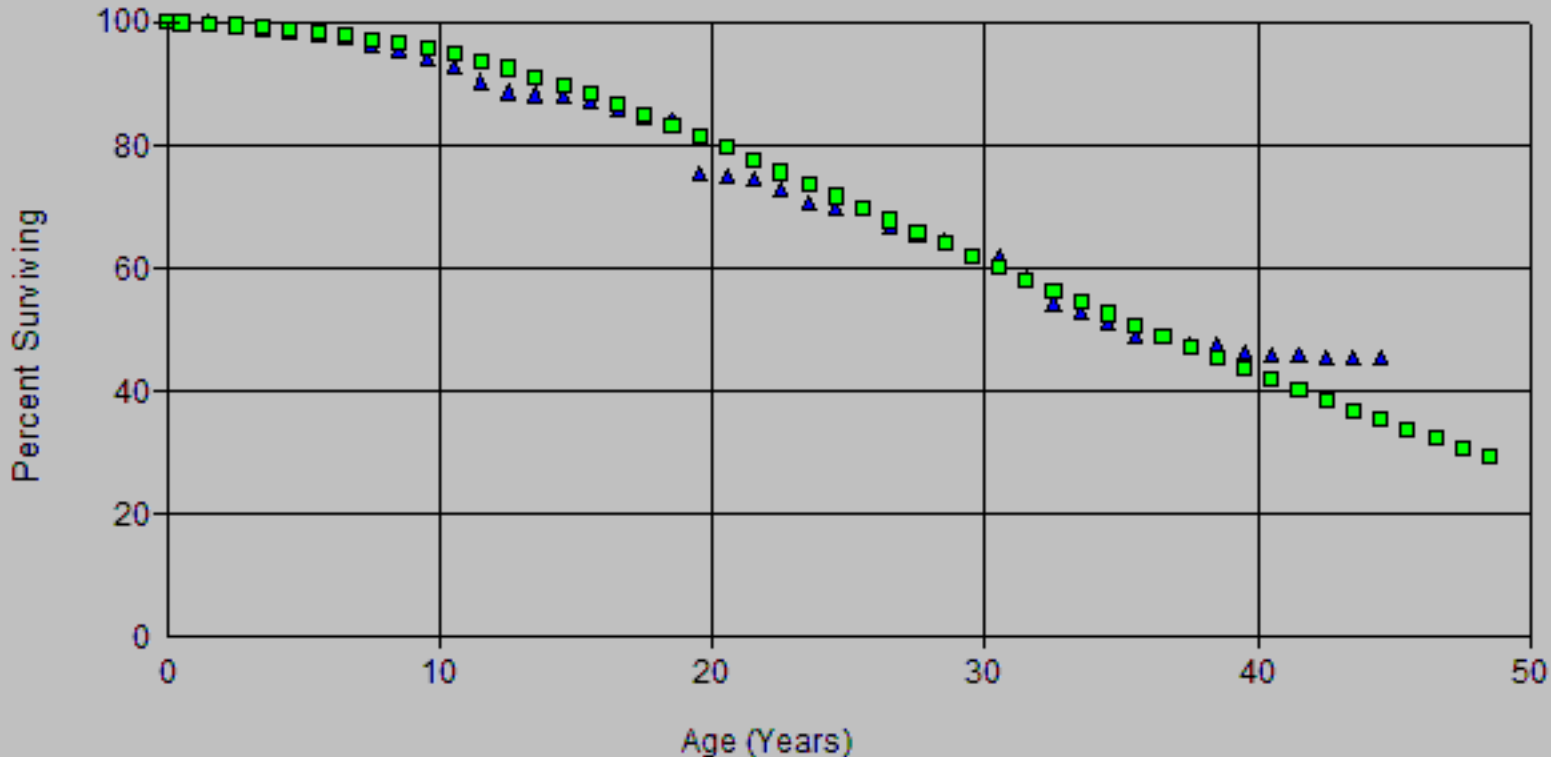


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 2024 GRC - APP
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Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L1 38.00

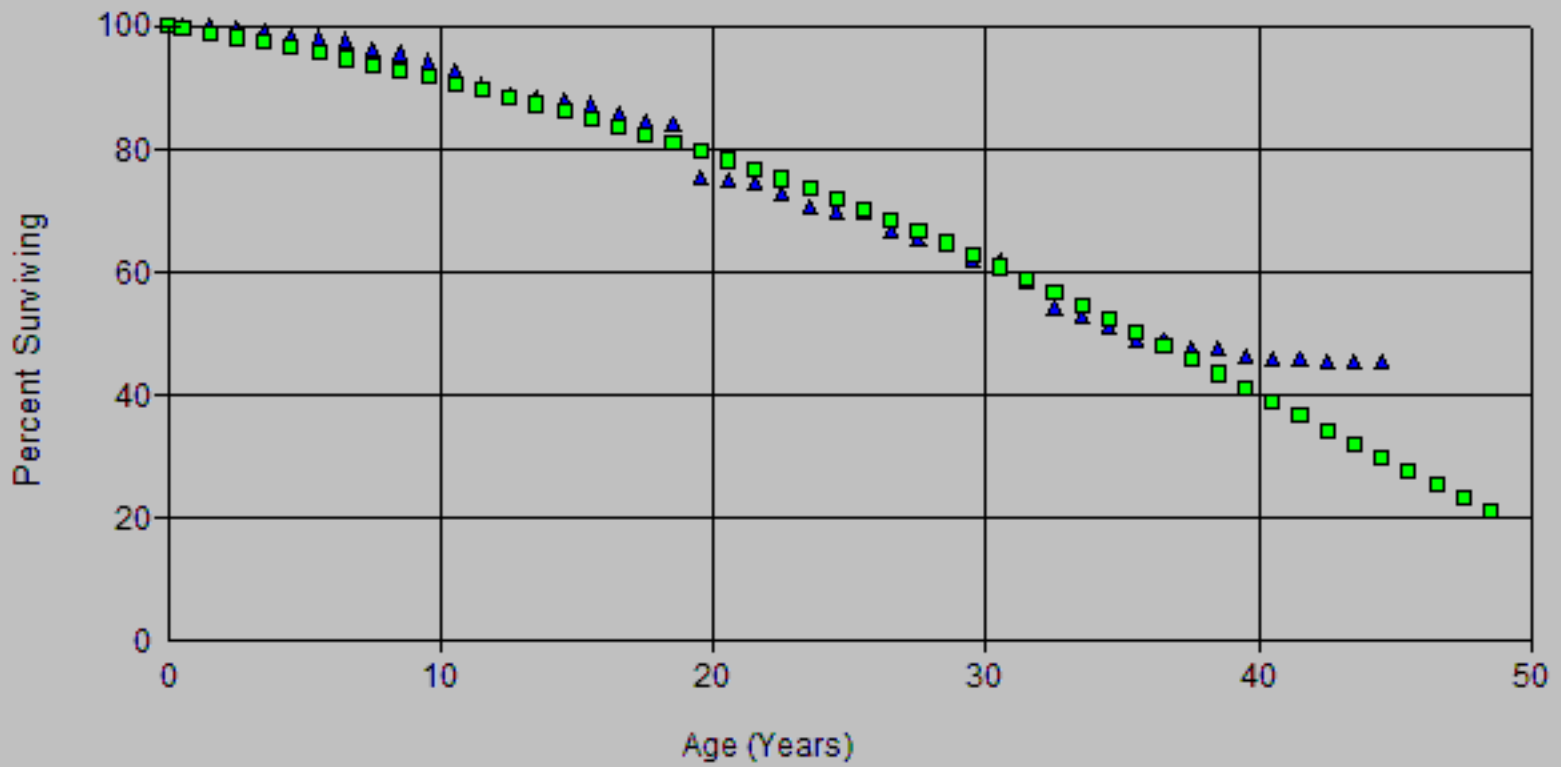


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 2024 GRC - APP
 Depreciation Workpapers

Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R1 34.00

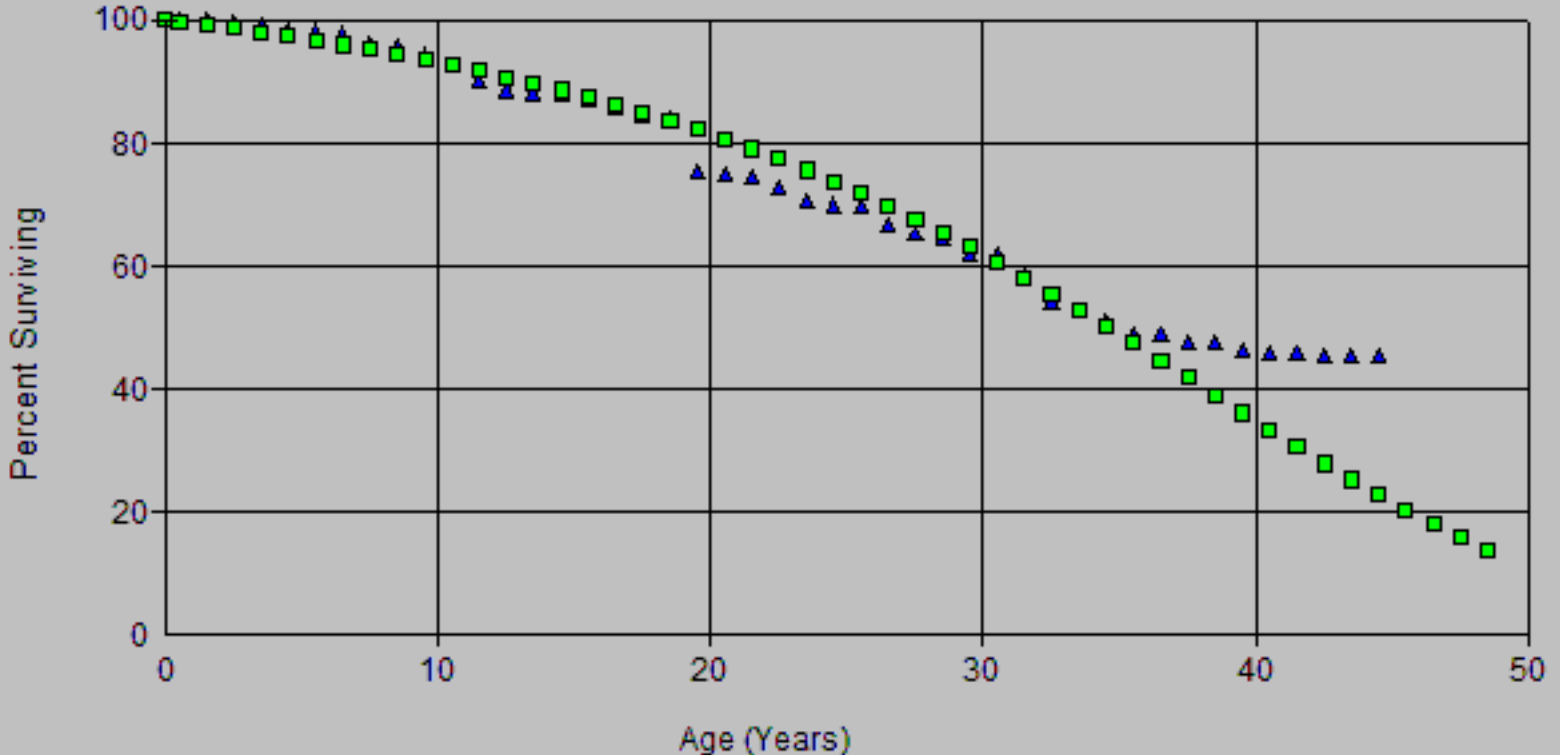


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 Deprecation Workpapers

Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R1.5 33.00

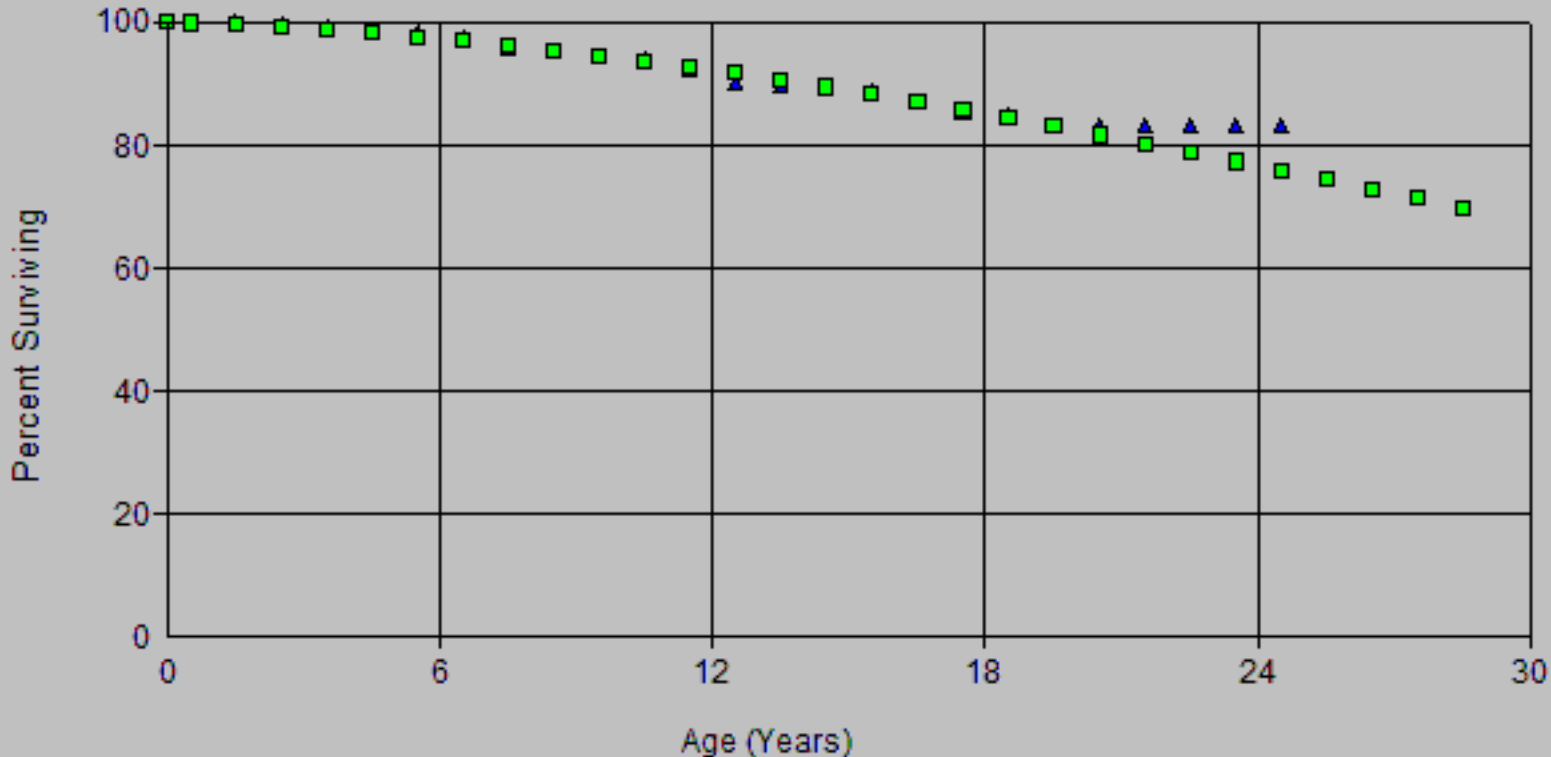


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 2024 GRC - APP
 Deprecation Workpapers

Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 45.00

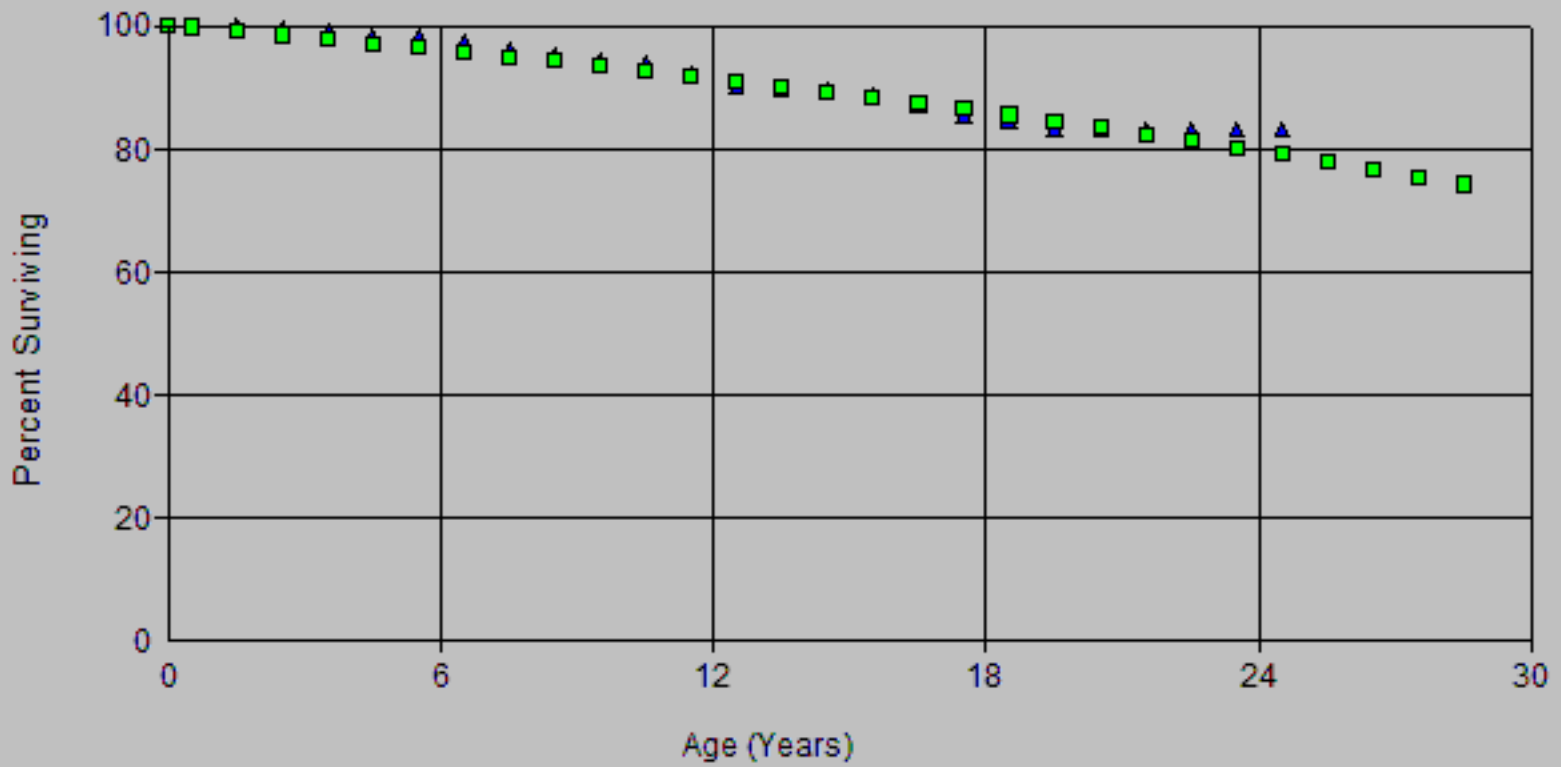


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 354-Compressor Stn Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ R1 42.00



Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eqt

Placement Band: 2011 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	363,325,645.62	0.00	0.00000	1.00000	100.00
0.5	358,743,992.70	22,500.00	0.00006	0.99994	100.00
1.5	340,957,786.09	742,579.31	0.00218	0.99782	99.99
2.5	66,636,059.35	803,993.05	0.01207	0.98793	99.78
3.5	59,455,171.16	952,272.04	0.01602	0.98398	98.57
4.5	49,556,159.24	13,411.28	0.00027	0.99973	96.99
5.5	32,755,610.65	0.00	0.00000	1.00000	96.97
6.5	24,980,478.86	0.00	0.00000	1.00000	96.97
7.5	16,198,863.28	0.00	0.00000	1.00000	96.97
8.5	7,878,252.68	0.00	0.00000	1.00000	96.97
9.5	0.00	0.00	0.00000	0.00000	96.97

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eq

Placement Band: 1939 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	424,924,180.23	0.00	0.00000	1.00000	100.00
0.5	423,504,097.59	22,500.00	0.00005	0.99995	100.00
1.5	406,123,245.35	742,579.31	0.00183	0.99817	100.00
2.5	134,771,491.18	844,284.64	0.00626	0.99374	99.81
3.5	133,514,772.37	981,336.40	0.00735	0.99265	99.19
4.5	135,131,357.46	251,050.59	0.00186	0.99814	98.46
5.5	119,741,377.66	577,529.83	0.00482	0.99518	98.28
6.5	101,949,105.32	1,573,355.19	0.01543	0.98457	97.80
7.5	92,135,255.21	654,800.02	0.00711	0.99289	96.29
8.5	83,430,601.84	1,104,859.97	0.01324	0.98676	95.61
9.5	77,349,042.23	1,397,111.86	0.01806	0.98194	94.34
10.5	71,119,661.35	1,677,986.30	0.02359	0.97641	92.64
11.5	66,676,363.11	1,325,926.55	0.01989	0.98011	90.45
12.5	63,497,237.78	279,452.69	0.00440	0.99560	88.65
13.5	59,266,598.71	84,529.42	0.00143	0.99857	88.26
14.5	56,448,952.10	464,089.14	0.00822	0.99178	88.14
15.5	54,211,252.40	1,016,443.62	0.01875	0.98125	87.41
16.5	52,093,680.30	769,565.02	0.01477	0.98523	85.77
17.5	45,203,429.54	207,234.57	0.00458	0.99542	84.51
18.5	37,069,648.69	3,825,426.55	0.10320	0.89680	84.12
19.5	27,390,887.89	130,396.92	0.00476	0.99524	75.44
20.5	24,189,369.35	220,346.72	0.00911	0.99089	75.08
21.5	21,152,248.11	470,364.41	0.02224	0.97776	74.40
22.5	21,497,992.06	666,957.88	0.03102	0.96898	72.74
23.5	34,899,737.10	223,046.83	0.00639	0.99361	70.49
24.5	32,693,278.67	74,683.67	0.00228	0.99772	70.04
25.5	41,258,986.65	1,567,029.63	0.03798	0.96202	69.88
26.5	45,057,445.52	1,427,554.24	0.03168	0.96832	67.22
27.5	42,855,154.43	377,366.27	0.00881	0.99119	65.09
28.5	42,775,479.26	978,790.56	0.02288	0.97712	64.52
29.5	40,724,724.45	83,414.42	0.00205	0.99795	63.04
30.5	39,571,790.33	2,669,112.12	0.06745	0.93255	62.91
31.5	36,733,580.10	1,797,340.19	0.04893	0.95107	58.67
32.5	34,079,768.96	588,209.59	0.01726	0.98274	55.80
33.5	31,169,219.10	572,087.22	0.01835	0.98165	54.84
34.5	30,864,082.76	574,380.00	0.01861	0.98139	53.83
35.5	29,655,216.35	140,412.67	0.00473	0.99527	52.83
36.5	28,859,492.70	975,249.63	0.03379	0.96621	52.58
37.5	26,662,557.10	496,330.20	0.01862	0.98138	50.80
38.5	25,604,972.20	500,340.99	0.01954	0.98046	49.86
39.5	24,960,178.81	240,984.76	0.00965	0.99035	48.88
40.5	24,478,756.75	62,188.57	0.00254	0.99746	48.41
41.5	24,131,405.70	583,697.11	0.02419	0.97581	48.29
42.5	23,591,237.74	342,702.98	0.01453	0.98547	47.12
43.5	26,623,266.48	331,960.73	0.01247	0.98753	46.43
44.5	18,332,075.74	65,144.70	0.00355	0.99645	45.85
45.5	15,516,095.61	196,837.73	0.01269	0.98731	45.69
46.5	9,666,424.46	25,811.76	0.00267	0.99733	45.11
47.5	4,949,436.70	23,361.80	0.00472	0.99528	44.99
48.5	4,922,184.33	30,366.83	0.00617	0.99383	44.78
49.5	4,942,932.35	37,685.98	0.00762	0.99238	44.50
50.5	4,937,372.70	404,640.74	0.08195	0.91805	44.16
51.5	4,661,032.53	111,698.48	0.02396	0.97604	40.55
52.5	4,721,557.53	10,850.94	0.00230	0.99770	39.57

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eq

Placement Band: 1939 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	4,698,049.57	157,733.56	0.03357	0.96643	39.48
54.5	4,485,707.55	93,581.72	0.02086	0.97914	38.16
55.5	3,115,862.67	360,372.36	0.11566	0.88434	37.36
56.5	2,535,021.39	26,532.40	0.01047	0.98953	33.04
57.5	2,510,689.20	5,110.65	0.00204	0.99796	32.70
58.5	2,575,189.88	144,373.67	0.05606	0.94394	32.63
59.5	2,359,931.90	4,762.86	0.00202	0.99798	30.80
60.5	2,334,281.38	5,231.35	0.00224	0.99776	30.74
61.5	2,321,790.47	99,898.23	0.04303	0.95697	30.67
62.5	2,217,149.98	110,207.97	0.04971	0.95029	29.35
63.5	2,087,797.08	115,215.52	0.05519	0.94481	27.89
64.5	876,074.72	16,671.46	0.01903	0.98097	26.35
65.5	731,780.75	54,354.02	0.07428	0.92572	25.85
66.5	672,003.73	24,494.90	0.03645	0.96355	23.93
67.5	480,529.12	5,671.74	0.01180	0.98820	23.06
68.5	441,035.61	21,109.73	0.04786	0.95214	22.79
69.5	418,618.22	11,796.61	0.02818	0.97182	21.70
70.5	307,078.04	11,691.74	0.03807	0.96193	21.08
71.5	275,307.21	9,498.33	0.03450	0.96550	20.28
72.5	184,249.82	0.00	0.00000	1.00000	19.58
73.5	99,232.26	1,072.93	0.01081	0.98919	19.58
74.5	90,570.98	0.00	0.00000	1.00000	19.37
75.5	55,505.81	7,984.06	0.14384	0.85616	19.37
76.5	47,027.75	0.00	0.00000	1.00000	16.58
77.5	45,672.21	423.00	0.00926	0.99074	16.58
78.5	45,019.21	13,041.16	0.28968	0.71032	16.43
79.5	17,618.05	0.00	0.00000	1.00000	11.67
80.5	17,589.00	0.00	0.00000	1.00000	11.67
81.5	0.00	0.00	0.00000	0.00000	11.67

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eq

Placement Band: 1939 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	363,325,645.62	0.00	0.00000	1.00000	100.00
0.5	364,882,394.93	22,500.00	0.00006	0.99994	100.00
1.5	351,821,587.74	742,579.31	0.00211	0.99789	99.99
2.5	85,888,674.73	844,284.64	0.00983	0.99017	99.78
3.5	83,305,606.84	952,272.04	0.01143	0.98857	98.80
4.5	78,030,212.49	251,050.59	0.00322	0.99678	97.67
5.5	64,711,213.50	577,529.83	0.00892	0.99108	97.36
6.5	59,947,911.22	511,320.98	0.00853	0.99147	96.49
7.5	57,612,600.27	385,240.80	0.00669	0.99331	95.67
8.5	57,090,902.91	830,588.74	0.01455	0.98545	95.03
9.5	55,324,186.42	408,075.62	0.00738	0.99262	93.64
10.5	53,750,339.72	1,052,960.34	0.01959	0.98041	92.95
11.5	49,679,718.85	1,295,612.25	0.02608	0.97392	91.13
12.5	42,392,381.99	135,511.84	0.00320	0.99680	88.76
13.5	39,784,833.11	44,747.43	0.00112	0.99888	88.47
14.5	39,506,461.55	412,402.32	0.01044	0.98956	88.37
15.5	36,110,161.26	730,936.01	0.02024	0.97976	87.45
16.5	33,877,906.82	769,565.02	0.02272	0.97728	85.68
17.5	28,316,313.48	204,423.66	0.00722	0.99278	83.73
18.5	20,832,229.34	1,347,315.36	0.06467	0.93533	83.13
19.5	14,591,202.49	0.00	0.00000	1.00000	77.75
20.5	11,516,519.44	184,739.37	0.01604	0.98396	77.75
21.5	9,022,598.42	83,523.03	0.00926	0.99074	76.50
22.5	11,033,376.32	234,561.26	0.02126	0.97874	75.80
23.5	13,571,785.50	210,301.63	0.01550	0.98450	74.19
24.5	10,628,574.00	10,159.83	0.00096	0.99904	73.04
25.5	11,148,228.49	123,193.99	0.01105	0.98895	72.97
26.5	11,604,304.19	434,985.58	0.03748	0.96252	72.16
27.5	11,808,665.64	42,383.13	0.00359	0.99641	69.45
28.5	11,307,311.25	11,014.20	0.00097	0.99903	69.21
29.5	10,454,355.07	2,677.19	0.00026	0.99974	69.14
30.5	10,408,315.25	20,042.84	0.00193	0.99807	69.12
31.5	10,343,765.79	934,499.62	0.09034	0.90966	68.99
32.5	7,535,909.74	8,960.03	0.00119	0.99881	62.76
33.5	5,842,337.01	172,987.98	0.02961	0.97039	62.68
34.5	14,929,141.94	531,538.20	0.03560	0.96440	60.82
35.5	13,944,362.01	87,021.64	0.00624	0.99376	58.66
36.5	19,796,793.11	846,344.14	0.04275	0.95725	58.29
37.5	23,417,255.17	496,330.20	0.02120	0.97880	55.80
38.5	22,810,168.22	500,340.99	0.02193	0.97807	54.62
39.5	22,185,473.89	183,187.44	0.00826	0.99174	53.42
40.5	21,791,067.71	57,607.48	0.00264	0.99736	52.98
41.5	21,458,597.57	437,136.90	0.02037	0.97963	52.84
42.5	21,023,839.56	248,830.34	0.01184	0.98816	51.76
43.5	19,899,694.03	143,264.38	0.00720	0.99280	51.15
44.5	11,765,497.50	5,381.89	0.00046	0.99954	50.78
45.5	12,831,793.03	178,191.74	0.01389	0.98611	50.76
46.5	7,064,628.77	254.00	0.00004	0.99996	50.05
47.5	2,213,305.13	0.00	0.00000	1.00000	50.05
48.5	2,274,961.05	14,514.01	0.00638	0.99362	50.05
49.5	2,282,901.68	5,958.17	0.00261	0.99739	49.73
50.5	2,303,792.38	85,318.55	0.03703	0.96297	49.60
51.5	2,187,040.98	18,411.27	0.00842	0.99158	47.77
52.5	2,155,106.97	398.87	0.00018	0.99982	47.36

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eqt

Placement Band: 1939 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	2,144,871.19	157,733.56	0.07354	0.92646	47.36
54.5	2,934,522.05	93,359.72	0.03181	0.96819	43.87
55.5	2,046,234.88	359,294.29	0.17559	0.82441	42.48
56.5	1,462,279.99	2,161.40	0.00148	0.99852	35.02
57.5	1,620,858.14	863.39	0.00053	0.99947	34.97
58.5	1,713,300.52	135,973.92	0.07936	0.92064	34.95
59.5	1,508,136.90	867.00	0.00057	0.99943	32.17
60.5	1,568,804.81	1,573.00	0.00100	0.99900	32.16
61.5	1,581,529.37	1,091.03	0.00069	0.99931	32.12
62.5	1,735,822.73	67,151.59	0.03869	0.96131	32.10
63.5	1,838,158.49	92,942.11	0.05056	0.94944	30.86
64.5	668,862.63	162.00	0.00024	0.99976	29.30
65.5	593,680.84	1,034.00	0.00174	0.99826	29.29
66.5	588,207.84	14,517.22	0.02468	0.97532	29.24
67.5	413,001.19	5,671.74	0.01373	0.98627	28.52
68.5	374,160.68	6,903.00	0.01845	0.98155	28.13
69.5	400,835.17	11,796.61	0.02943	0.97057	27.61
70.5	289,324.04	11,691.74	0.04041	0.95959	26.80
71.5	275,307.21	9,498.33	0.03450	0.96550	25.71
72.5	184,249.82	0.00	0.00000	1.00000	24.83
73.5	99,232.26	1,072.93	0.01081	0.98919	24.83
74.5	90,570.98	0.00	0.00000	1.00000	24.56
75.5	55,505.81	7,984.06	0.14384	0.85616	24.56
76.5	47,027.75	0.00	0.00000	1.00000	21.03
77.5	45,672.21	423.00	0.00926	0.99074	21.03
78.5	45,019.21	13,041.16	0.28968	0.71032	20.83
79.5	17,618.05	0.00	0.00000	1.00000	14.80
80.5	17,589.00	0.00	0.00000	1.00000	14.80
81.5	0.00	0.00	0.00000	0.00000	14.80

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eq

Placement Band: 1956 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	424,924,180.23	0.00	0.00000	1.00000	100.00
0.5	423,504,097.59	22,500.00	0.00005	0.99995	100.00
1.5	406,123,245.35	742,579.31	0.00183	0.99817	100.00
2.5	134,771,491.18	844,284.64	0.00626	0.99374	99.81
3.5	133,514,772.37	981,336.40	0.00735	0.99265	99.19
4.5	135,131,357.46	251,050.59	0.00186	0.99814	98.46
5.5	119,741,377.66	577,529.83	0.00482	0.99518	98.28
6.5	101,949,105.32	1,573,355.19	0.01543	0.98457	97.80
7.5	92,135,255.21	654,800.02	0.00711	0.99289	96.29
8.5	83,430,601.84	1,104,859.97	0.01324	0.98676	95.61
9.5	77,349,042.23	1,397,111.86	0.01806	0.98194	94.34
10.5	71,119,661.35	1,677,986.30	0.02359	0.97641	92.64
11.5	66,676,363.11	1,325,926.55	0.01989	0.98011	90.45
12.5	63,497,237.78	279,452.69	0.00440	0.99560	88.65
13.5	59,266,598.71	84,529.42	0.00143	0.99857	88.26
14.5	56,448,952.10	464,089.14	0.00822	0.99178	88.14
15.5	54,211,252.40	1,016,443.62	0.01875	0.98125	87.41
16.5	52,093,680.30	769,565.02	0.01477	0.98523	85.77
17.5	45,203,429.54	207,234.57	0.00458	0.99542	84.51
18.5	37,069,648.69	3,825,426.55	0.10320	0.89680	84.12
19.5	27,390,887.89	130,396.92	0.00476	0.99524	75.44
20.5	24,189,369.35	220,346.72	0.00911	0.99089	75.08
21.5	21,152,248.11	470,364.41	0.02224	0.97776	74.40
22.5	21,497,992.06	666,957.88	0.03102	0.96898	72.74
23.5	34,899,737.10	223,046.83	0.00639	0.99361	70.49
24.5	32,693,278.67	74,683.67	0.00228	0.99772	70.04
25.5	41,258,986.65	1,567,029.63	0.03798	0.96202	69.88
26.5	45,057,445.52	1,427,554.24	0.03168	0.96832	67.22
27.5	42,855,154.43	377,366.27	0.00881	0.99119	65.09
28.5	42,775,479.26	978,790.56	0.02288	0.97712	64.52
29.5	40,724,724.45	83,414.42	0.00205	0.99795	63.04
30.5	39,571,790.33	2,669,112.12	0.06745	0.93255	62.91
31.5	36,733,580.10	1,797,340.19	0.04893	0.95107	58.67
32.5	34,079,768.96	588,209.59	0.01726	0.98274	55.80
33.5	31,169,219.10	572,087.22	0.01835	0.98165	54.84
34.5	30,864,082.76	574,380.00	0.01861	0.98139	53.83
35.5	29,655,216.35	140,412.67	0.00473	0.99527	52.83
36.5	28,859,492.70	975,249.63	0.03379	0.96621	52.58
37.5	26,662,557.10	496,330.20	0.01862	0.98138	50.80
38.5	25,604,972.20	500,340.99	0.01954	0.98046	49.86
39.5	24,960,178.81	240,984.76	0.00965	0.99035	48.88
40.5	24,478,756.75	62,188.57	0.00254	0.99746	48.41
41.5	24,131,405.70	583,697.11	0.02419	0.97581	48.29
42.5	23,591,237.74	342,702.98	0.01453	0.98547	47.12
43.5	26,623,266.48	331,960.73	0.01247	0.98753	46.43
44.5	17,828,189.91	65,144.70	0.00365	0.99635	45.85
45.5	15,004,633.38	196,837.73	0.01312	0.98688	45.69
46.5	8,987,286.13	6,885.64	0.00077	0.99923	45.09
47.5	4,121,232.30	23,361.80	0.00567	0.99433	45.05
48.5	4,092,082.27	30,366.83	0.00742	0.99258	44.80
49.5	4,012,736.72	32,513.71	0.00810	0.99190	44.47
50.5	3,967,523.22	404,640.74	0.10199	0.89801	44.11
51.5	3,523,061.40	111,698.48	0.03170	0.96830	39.61
52.5	3,392,255.92	10,730.94	0.00316	0.99684	38.35

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eqt

Placement Band: 1956 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	3,347,430.61	157,733.56	0.04712	0.95288	38.23
54.5	2,934,522.05	93,359.72	0.03181	0.96819	36.43
55.5	1,562,252.17	3,096.09	0.00198	0.99802	35.27
56.5	1,327,619.08	708.00	0.00053	0.99947	35.20
57.5	1,319,520.53	528.00	0.00040	0.99960	35.18
58.5	1,252,076.38	10,310.77	0.00823	0.99177	35.17
59.5	1,170,582.25	867.00	0.00074	0.99926	34.88
60.5	1,131,033.59	1,019.00	0.00090	0.99910	34.85
61.5	1,122,755.03	692.00	0.00062	0.99938	34.82
62.5	1,117,320.77	1,018.00	0.00091	0.99909	34.80
63.5	1,097,157.84	651.00	0.00059	0.99941	34.77
64.5	0.00	0.00	0.00000	0.00000	34.75

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eq

Placement Band: 1956 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	363,325,645.62	0.00	0.00000	1.00000	100.00
0.5	364,882,394.93	22,500.00	0.00006	0.99994	100.00
1.5	351,821,587.74	742,579.31	0.00211	0.99789	99.99
2.5	85,888,674.73	844,284.64	0.00983	0.99017	99.78
3.5	83,305,606.84	952,272.04	0.01143	0.98857	98.80
4.5	78,030,212.49	251,050.59	0.00322	0.99678	97.67
5.5	64,711,213.50	577,529.83	0.00892	0.99108	97.36
6.5	59,947,911.22	511,320.98	0.00853	0.99147	96.49
7.5	57,612,600.27	385,240.80	0.00669	0.99331	95.67
8.5	57,090,902.91	830,588.74	0.01455	0.98545	95.03
9.5	55,324,186.42	408,075.62	0.00738	0.99262	93.64
10.5	53,750,339.72	1,052,960.34	0.01959	0.98041	92.95
11.5	49,679,718.85	1,295,612.25	0.02608	0.97392	91.13
12.5	42,392,381.99	135,511.84	0.00320	0.99680	88.76
13.5	39,784,833.11	44,747.43	0.00112	0.99888	88.47
14.5	39,506,461.55	412,402.32	0.01044	0.98956	88.37
15.5	36,110,161.26	730,936.01	0.02024	0.97976	87.45
16.5	33,877,906.82	769,565.02	0.02272	0.97728	85.68
17.5	28,316,313.48	204,423.66	0.00722	0.99278	83.73
18.5	20,832,229.34	1,347,315.36	0.06467	0.93533	83.13
19.5	14,591,202.49	0.00	0.00000	1.00000	77.75
20.5	11,516,519.44	184,739.37	0.01604	0.98396	77.75
21.5	9,022,598.42	83,523.03	0.00926	0.99074	76.50
22.5	11,033,376.32	234,561.26	0.02126	0.97874	75.80
23.5	13,571,785.50	210,301.63	0.01550	0.98450	74.19
24.5	10,628,574.00	10,159.83	0.00096	0.99904	73.04
25.5	11,148,228.49	123,193.99	0.01105	0.98895	72.97
26.5	11,604,304.19	434,985.58	0.03748	0.96252	72.16
27.5	11,808,665.64	42,383.13	0.00359	0.99641	69.45
28.5	11,307,311.25	11,014.20	0.00097	0.99903	69.21
29.5	10,454,355.07	2,677.19	0.00026	0.99974	69.14
30.5	10,408,315.25	20,042.84	0.00193	0.99807	69.12
31.5	10,343,765.79	934,499.62	0.09034	0.90966	68.99
32.5	7,535,909.74	8,960.03	0.00119	0.99881	62.76
33.5	5,842,337.01	172,987.98	0.02961	0.97039	62.68
34.5	14,929,141.94	531,538.20	0.03560	0.96440	60.82
35.5	13,944,362.01	87,021.64	0.00624	0.99376	58.66
36.5	19,796,793.11	846,344.14	0.04275	0.95725	58.29
37.5	23,417,255.17	496,330.20	0.02120	0.97880	55.80
38.5	22,810,168.22	500,340.99	0.02193	0.97807	54.62
39.5	22,185,473.89	183,187.44	0.00826	0.99174	53.42
40.5	21,791,067.71	57,607.48	0.00264	0.99736	52.98
41.5	21,458,597.57	437,136.90	0.02037	0.97963	52.84
42.5	21,023,839.56	248,830.34	0.01184	0.98816	51.76
43.5	19,899,694.03	143,264.38	0.00720	0.99280	51.15
44.5	11,765,497.50	5,381.89	0.00046	0.99954	50.78
45.5	12,831,793.03	178,191.74	0.01389	0.98611	50.76
46.5	7,064,628.77	254.00	0.00004	0.99996	50.05
47.5	2,213,305.13	0.00	0.00000	1.00000	50.05
48.5	2,274,961.05	14,514.01	0.00638	0.99362	50.05
49.5	2,282,901.68	5,958.17	0.00261	0.99739	49.73
50.5	2,303,792.38	85,318.55	0.03703	0.96297	49.60
51.5	2,187,040.98	18,411.27	0.00842	0.99158	47.77
52.5	2,155,106.97	398.87	0.00018	0.99982	47.36

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eqt

Placement Band: 1956 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	2,144,871.19	157,733.56	0.07354	0.92646	47.36
54.5	2,934,522.05	93,359.72	0.03181	0.96819	43.87
55.5	1,562,252.17	3,096.09	0.00198	0.99802	42.48
56.5	1,327,619.08	708.00	0.00053	0.99947	42.39
57.5	1,319,520.53	528.00	0.00040	0.99960	42.37
58.5	1,252,076.38	10,310.77	0.00823	0.99177	42.35
59.5	1,170,582.25	867.00	0.00074	0.99926	42.01
60.5	1,131,033.59	1,019.00	0.00090	0.99910	41.97
61.5	1,122,755.03	692.00	0.00062	0.99938	41.94
62.5	1,117,320.77	1,018.00	0.00091	0.99909	41.91
63.5	1,097,157.84	651.00	0.00059	0.99941	41.87
64.5	0.00	0.00	0.00000	0.00000	41.85

Observed Life Table Depreciation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eq

Placement Band: 1976 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	424,924,180.23	0.00	0.00000	1.00000	100.00
0.5	423,504,097.59	22,500.00	0.00005	0.99995	100.00
1.5	406,123,245.35	742,579.31	0.00183	0.99817	100.00
2.5	134,771,491.18	844,284.64	0.00626	0.99374	99.81
3.5	133,514,772.37	981,336.40	0.00735	0.99265	99.19
4.5	135,131,357.46	251,050.59	0.00186	0.99814	98.46
5.5	119,741,377.66	577,529.83	0.00482	0.99518	98.28
6.5	101,949,105.32	1,573,355.19	0.01543	0.98457	97.80
7.5	92,135,255.21	654,800.02	0.00711	0.99289	96.29
8.5	83,430,601.84	1,104,859.97	0.01324	0.98676	95.61
9.5	77,349,042.23	1,397,111.86	0.01806	0.98194	94.34
10.5	71,119,661.35	1,677,986.30	0.02359	0.97641	92.64
11.5	66,676,363.11	1,325,926.55	0.01989	0.98011	90.45
12.5	63,497,237.78	279,452.69	0.00440	0.99560	88.65
13.5	59,266,598.71	84,529.42	0.00143	0.99857	88.26
14.5	56,448,952.10	464,089.14	0.00822	0.99178	88.14
15.5	54,211,252.40	1,016,443.62	0.01875	0.98125	87.41
16.5	52,093,680.30	769,565.02	0.01477	0.98523	85.77
17.5	45,203,429.54	207,234.57	0.00458	0.99542	84.51
18.5	37,069,648.69	3,825,426.55	0.10320	0.89680	84.12
19.5	27,390,887.89	130,396.92	0.00476	0.99524	75.44
20.5	24,189,369.35	220,346.72	0.00911	0.99089	75.08
21.5	21,152,248.11	470,364.41	0.02224	0.97776	74.40
22.5	21,497,992.06	666,957.88	0.03102	0.96898	72.74
23.5	34,899,737.10	223,046.83	0.00639	0.99361	70.49
24.5	31,561,871.44	16,214.67	0.00051	0.99949	70.04
25.5	31,143,873.39	1,475,066.94	0.04736	0.95264	70.00
26.5	28,989,782.64	616,607.41	0.02127	0.97873	66.68
27.5	27,533,869.15	323,671.03	0.01176	0.98824	65.27
28.5	26,634,681.88	944,940.68	0.03548	0.96452	64.50
29.5	24,674,467.16	2,677.19	0.00011	0.99989	62.21
30.5	24,388,901.81	1,481,455.42	0.06074	0.93926	62.20
31.5	22,514,555.28	1,585,038.36	0.07040	0.92960	58.43
32.5	19,038,682.38	550,841.93	0.02893	0.97107	54.31
33.5	15,798,275.40	520,839.60	0.03297	0.96703	52.74
34.5	14,929,141.94	531,538.20	0.03560	0.96440	51.00
35.5	13,510,008.35	87,021.64	0.00644	0.99356	49.19
36.5	12,207,008.86	324,567.50	0.02659	0.97341	48.87
37.5	10,616,540.24	1,618.53	0.00015	0.99985	47.57
38.5	10,498,376.73	292,114.66	0.02782	0.97218	47.56
39.5	10,032,930.01	63,994.70	0.00638	0.99362	46.24
40.5	9,745,016.78	19,613.58	0.00201	0.99799	45.95
41.5	9,410,285.46	38,082.84	0.00405	0.99595	45.85
42.5	9,354,724.51	30,949.11	0.00331	0.99669	45.67
43.5	8,413,948.84	0.00	0.00000	1.00000	45.52
44.5	0.00	0.00	0.00000	0.00000	45.52

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eq

Placement Band: 1976 - 2020

Observation Band: 2011 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	363,325,645.62	0.00	0.00000	1.00000	100.00
0.5	364,882,394.93	22,500.00	0.00006	0.99994	100.00
1.5	351,821,587.74	742,579.31	0.00211	0.99789	99.99
2.5	85,888,674.73	844,284.64	0.00983	0.99017	99.78
3.5	83,305,606.84	952,272.04	0.01143	0.98857	98.80
4.5	78,030,212.49	251,050.59	0.00322	0.99678	97.67
5.5	64,711,213.50	577,529.83	0.00892	0.99108	97.36
6.5	59,947,911.22	511,320.98	0.00853	0.99147	96.49
7.5	57,612,600.27	385,240.80	0.00669	0.99331	95.67
8.5	57,090,902.91	830,588.74	0.01455	0.98545	95.03
9.5	55,324,186.42	408,075.62	0.00738	0.99262	93.64
10.5	53,750,339.72	1,052,960.34	0.01959	0.98041	92.95
11.5	49,679,718.85	1,295,612.25	0.02608	0.97392	91.13
12.5	42,392,381.99	135,511.84	0.00320	0.99680	88.76
13.5	39,784,833.11	44,747.43	0.00112	0.99888	88.47
14.5	39,506,461.55	412,402.32	0.01044	0.98956	88.37
15.5	36,110,161.26	730,936.01	0.02024	0.97976	87.45
16.5	33,877,906.82	769,565.02	0.02272	0.97728	85.68
17.5	28,316,313.48	204,423.66	0.00722	0.99278	83.73
18.5	20,832,229.34	1,347,315.36	0.06467	0.93533	83.13
19.5	14,591,202.49	0.00	0.00000	1.00000	77.75
20.5	11,516,519.44	184,739.37	0.01604	0.98396	77.75
21.5	9,022,598.42	83,523.03	0.00926	0.99074	76.50
22.5	11,033,376.32	234,561.26	0.02126	0.97874	75.80
23.5	13,571,785.50	210,301.63	0.01550	0.98450	74.19
24.5	10,628,574.00	10,159.83	0.00096	0.99904	73.04
25.5	11,148,228.49	123,193.99	0.01105	0.98895	72.97
26.5	11,604,304.19	434,985.58	0.03748	0.96252	72.16
27.5	11,808,665.64	42,383.13	0.00359	0.99641	69.45
28.5	11,307,311.25	11,014.20	0.00097	0.99903	69.21
29.5	10,454,355.07	2,677.19	0.00026	0.99974	69.14
30.5	10,408,315.25	20,042.84	0.00193	0.99807	69.12
31.5	10,343,765.79	934,499.62	0.09034	0.90966	68.99
32.5	7,535,909.74	8,960.03	0.00119	0.99881	62.76
33.5	5,842,337.01	172,987.98	0.02961	0.97039	62.68
34.5	14,929,141.94	531,538.20	0.03560	0.96440	60.82
35.5	13,510,008.35	87,021.64	0.00644	0.99356	58.66
36.5	12,207,008.86	324,567.50	0.02659	0.97341	58.28
37.5	10,616,540.24	1,618.53	0.00015	0.99985	56.73
38.5	10,498,376.73	292,114.66	0.02782	0.97218	56.72
39.5	10,032,930.01	63,994.70	0.00638	0.99362	55.14
40.5	9,745,016.78	19,613.58	0.00201	0.99799	54.79
41.5	9,410,285.46	38,082.84	0.00405	0.99595	54.68
42.5	9,354,724.51	30,949.11	0.00331	0.99669	54.46
43.5	8,413,948.84	0.00	0.00000	1.00000	54.28
44.5	0.00	0.00	0.00000	0.00000	54.28

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 354-Compressor Stn Eq

Placement Band: 1996 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	424,924,180.23	0.00	0.00000	1.00000	100.00
0.5	423,504,097.59	22,500.00	0.00005	0.99995	100.00
1.5	406,123,245.35	742,579.31	0.00183	0.99817	100.00
2.5	134,771,491.18	844,284.64	0.00626	0.99374	99.81
3.5	133,514,772.37	981,336.40	0.00735	0.99265	99.19
4.5	123,586,696.09	251,050.59	0.00203	0.99797	98.46
5.5	105,316,934.28	577,529.83	0.00548	0.99452	98.26
6.5	95,123,366.35	1,562,228.57	0.01642	0.98358	97.72
7.5	84,820,707.33	487,610.13	0.00575	0.99425	96.12
8.5	76,012,486.60	830,588.74	0.01093	0.98907	95.56
9.5	67,303,645.18	408,075.62	0.00606	0.99394	94.52
10.5	61,438,106.49	1,052,960.34	0.01714	0.98286	93.95
11.5	54,243,388.22	1,295,612.25	0.02389	0.97611	92.34
12.5	46,678,073.45	135,511.84	0.00290	0.99710	90.13
13.5	43,087,942.98	44,747.43	0.00104	0.99896	89.87
14.5	39,506,461.55	412,402.32	0.01044	0.98956	89.78
15.5	35,523,239.78	659,200.39	0.01856	0.98144	88.84
16.5	31,617,484.91	689,004.27	0.02179	0.97821	87.19
17.5	24,846,051.92	126,444.26	0.00509	0.99491	85.29
18.5	16,851,446.14	285,069.32	0.01692	0.98308	84.86
19.5	10,639,083.04	0.00	0.00000	1.00000	83.42
20.5	7,185,955.56	0.00	0.00000	1.00000	83.42
21.5	4,355,741.93	0.00	0.00000	1.00000	83.42
22.5	4,087,563.42	0.00	0.00000	1.00000	83.42
23.5	3,104,981.83	0.00	0.00000	1.00000	83.42
24.5	0.00	0.00	0.00000	0.00000	83.42

Actuarial Life Analysis

Account: 354-Compressor Stn Eq
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1939 - 2004
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2000 -2004	65.5	45.31	0.85382298	L0	50.57
2001 -2005	66.5	34.00	0.80421342	L0	40.59
2002 -2006	67.5	31.83	0.70114173	L0	40.35
2003 -2007	68.5	10.85	0.18618949	L0	39.99
2004 -2008	69.5	7.71	0.16581839	L0	41.20
2005 -2009	70.5	8.61	0.27319599	L0.5	42.91
2006 -2010	71.5	7.16	0.22861010	L1	43.89
2007 -2011	72.5	1.52	0.33843981	L1	36.39
2008 -2012	73.5	5.03	0.61601572	L0	35.55
2009 -2013	74.5	5.38	0.74644538	L0	34.53
2010 -2014	75.5	11.43	0.26481273	L0	44.98
2011 -2015	76.5	18.04	0.18033467	L0	49.18
2012 -2016	77.5	39.12	0.64367154	L0	49.97
2013 -2017	78.5	22.87	0.64321928	L0	44.78
2014 -2018	79.5	32.88	0.58412210	L0	54.31
2015 -2019	80.5	38.02	0.54443693	L0	58.26
2016 -2020	81.5	22.61	0.24693026	L0	58.79

Actuarial Life Analysis

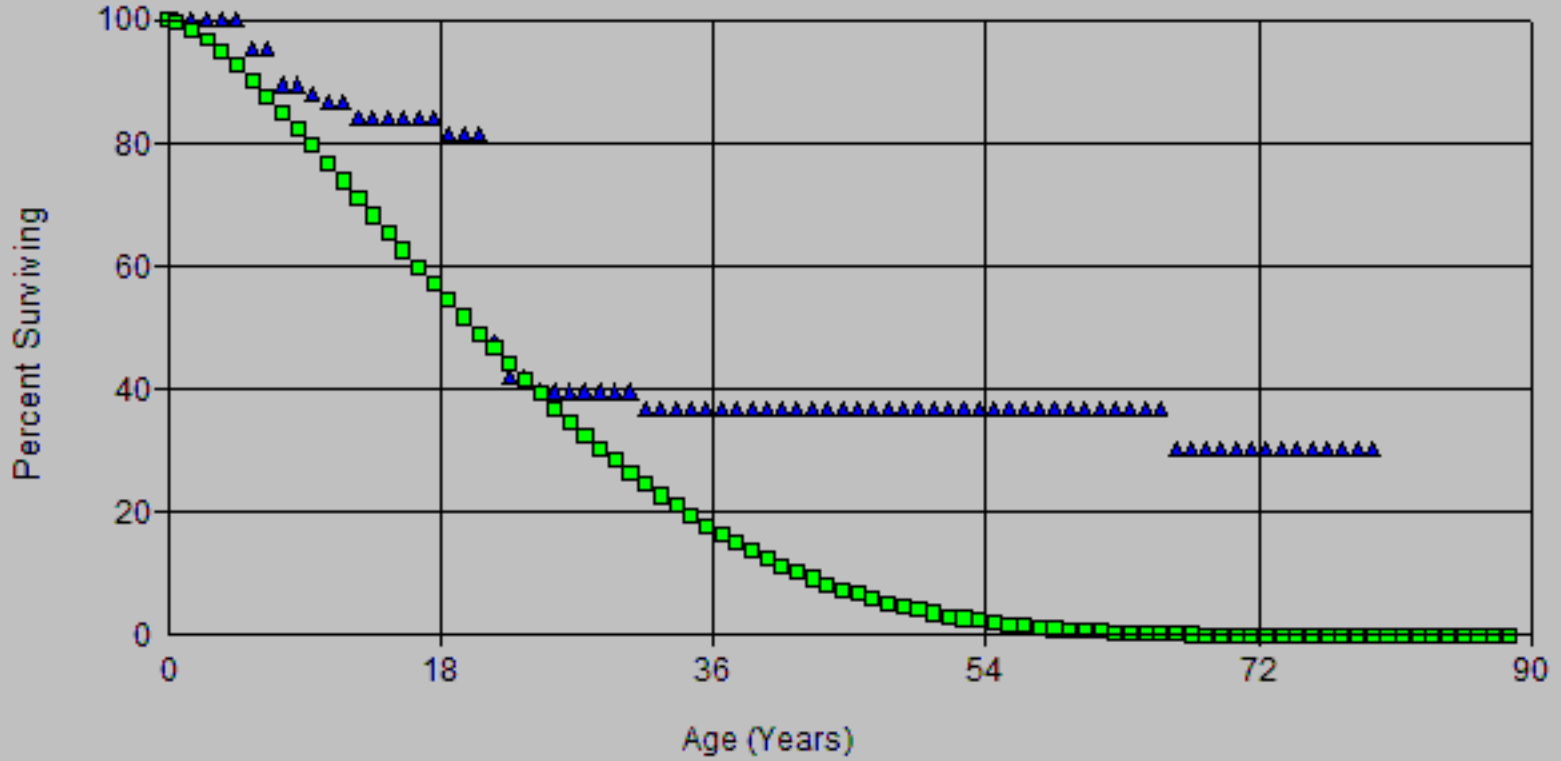
Account: 354-Compressor Stn Eq
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1939 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2000 -2020	81.5	11.67	0.05495824	L0	45.98
2005 -2020	81.5	10.94	0.06537443	L0	45.47
2010 -2020	81.5	14.66	0.04100271	L0	50.39
2015 -2020	81.5	24.84	0.21426396	L0	59.95
2020 -2020	81.5	1.23	0.18339509	S1.5	52.14

Account: 35-Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0 22.00

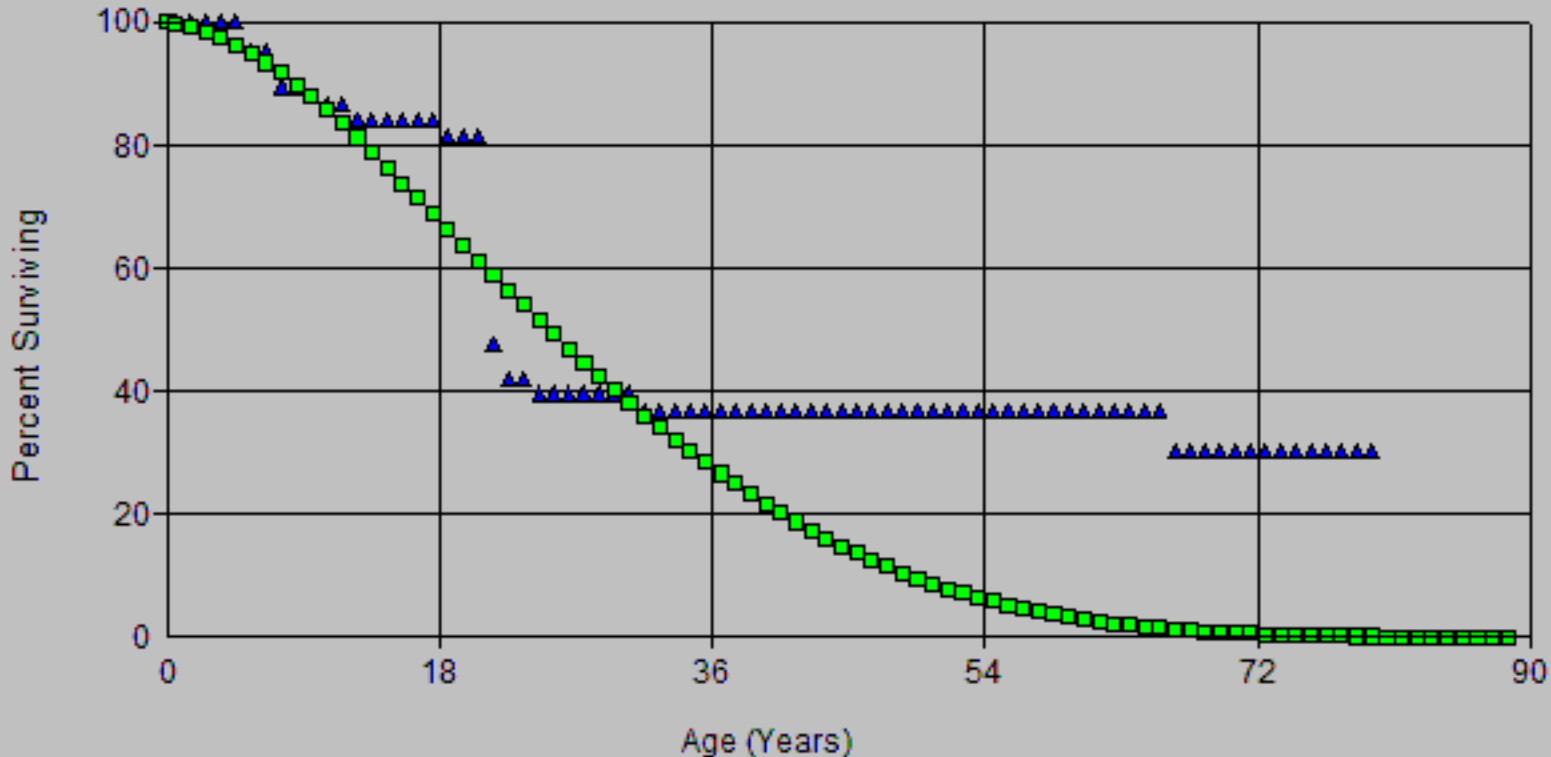


Account: 35-Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ L0.5 27.00

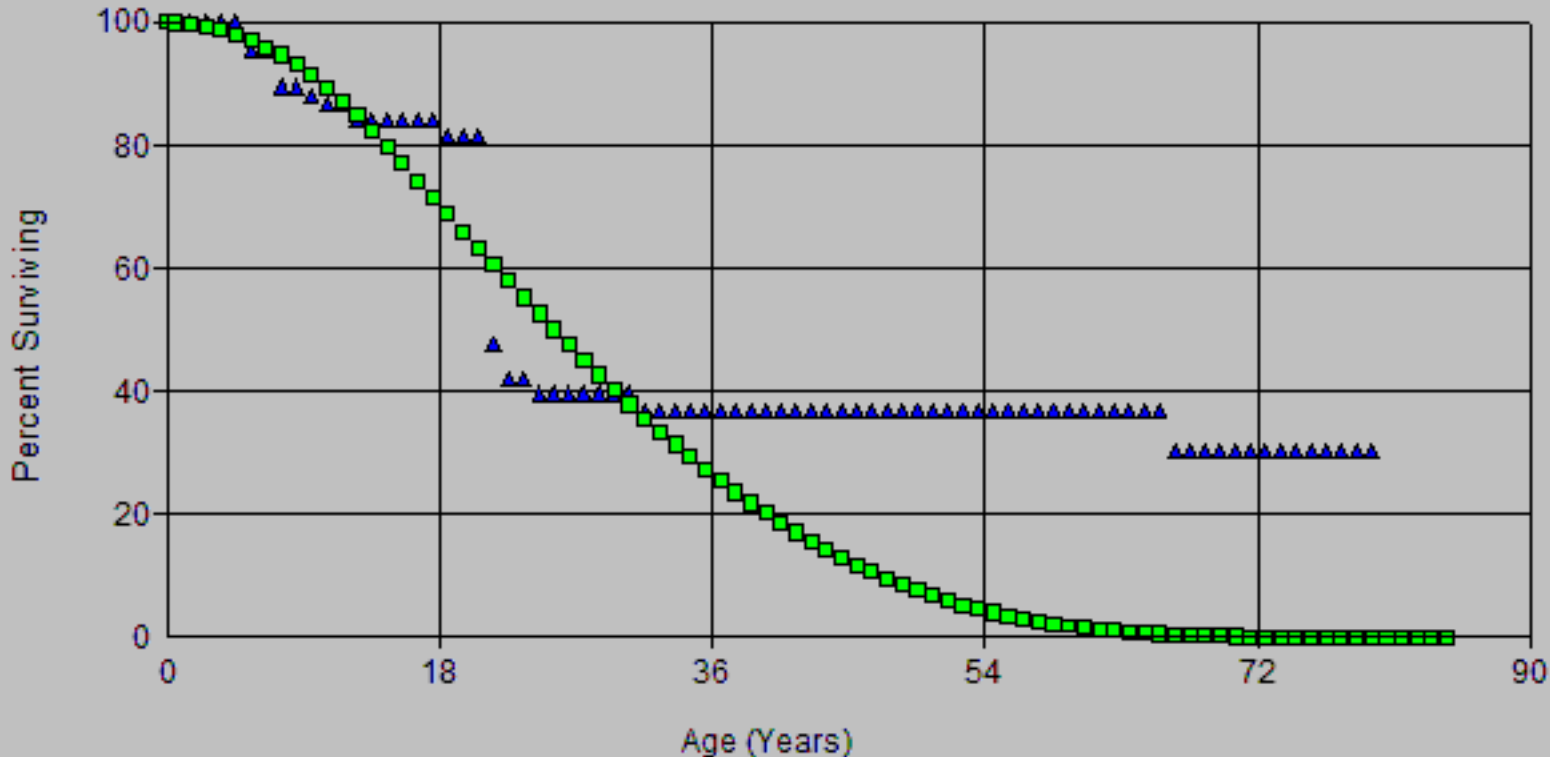


Account: 35-Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

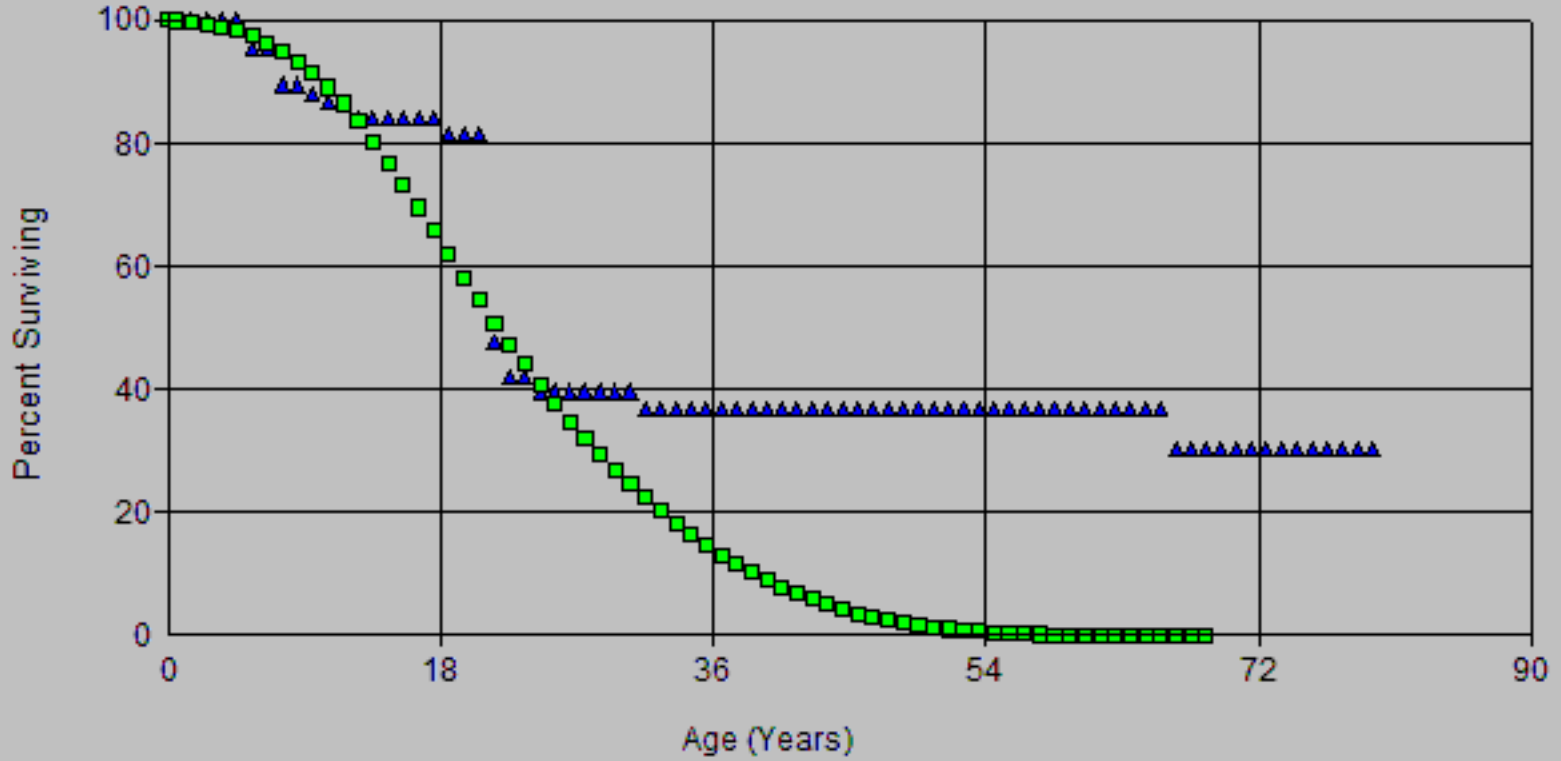
■ L1 27.00



Account: 35-Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L1.5 23.00

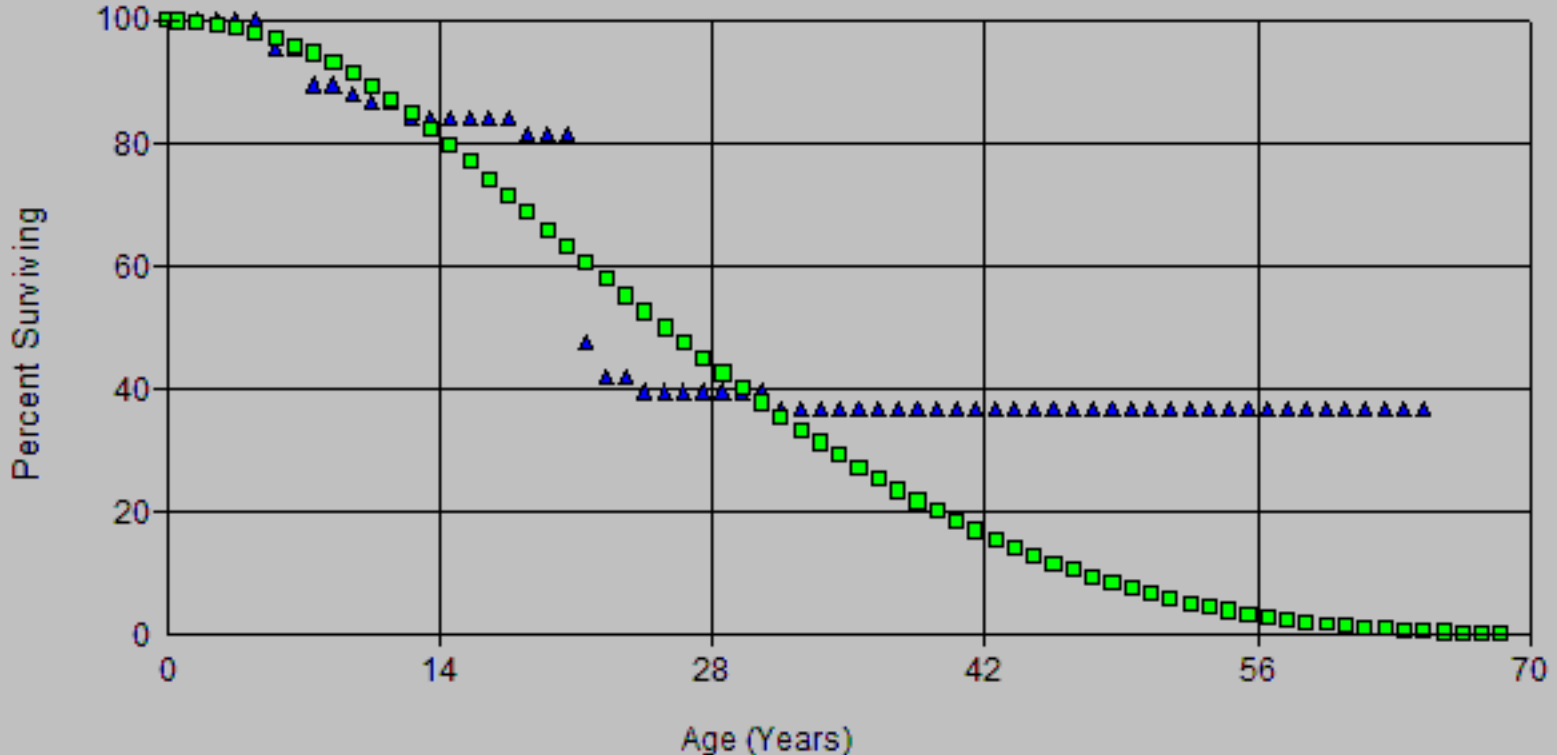


Account: 35-Debas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ L1 27.00

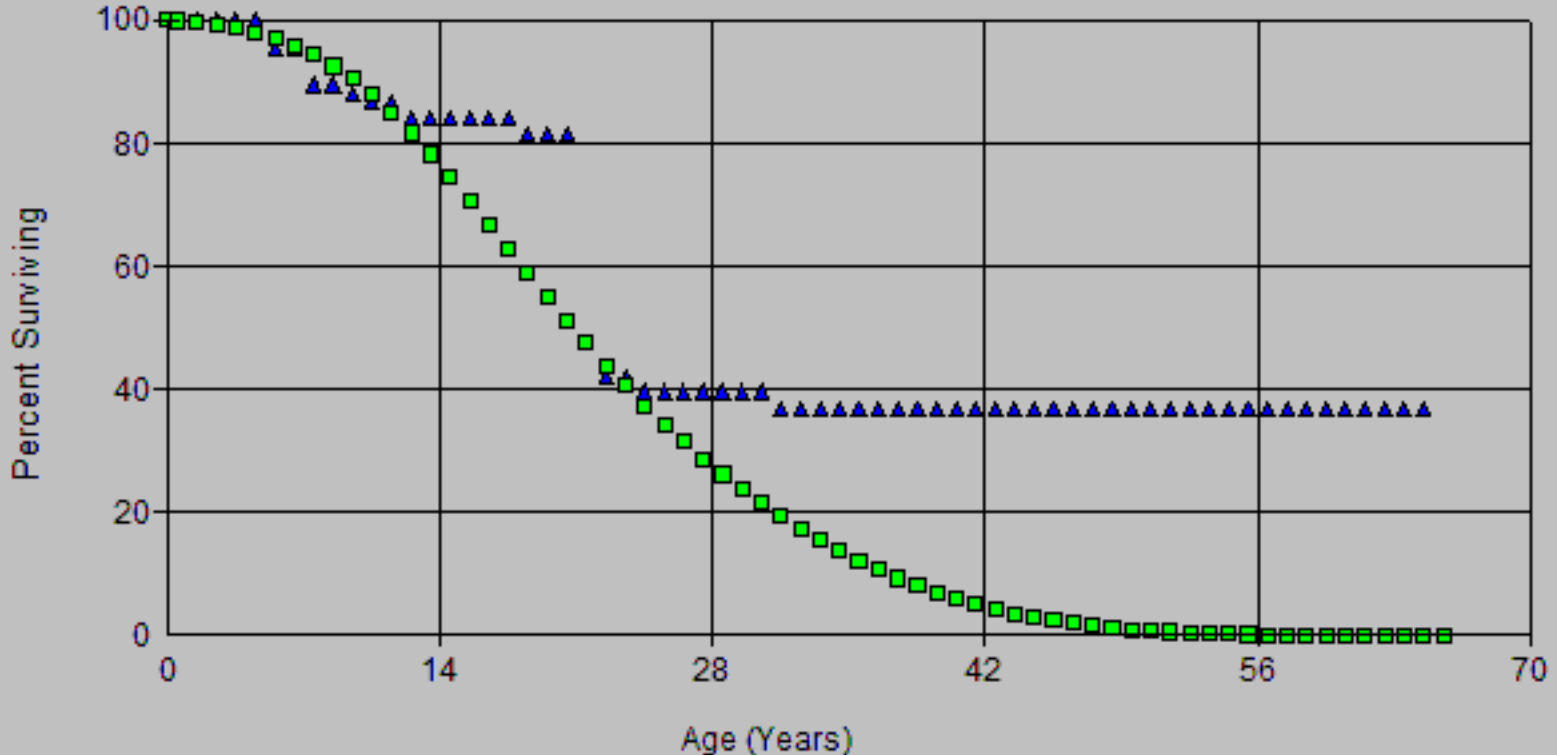


Account: 35-Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ L1.5 22.00

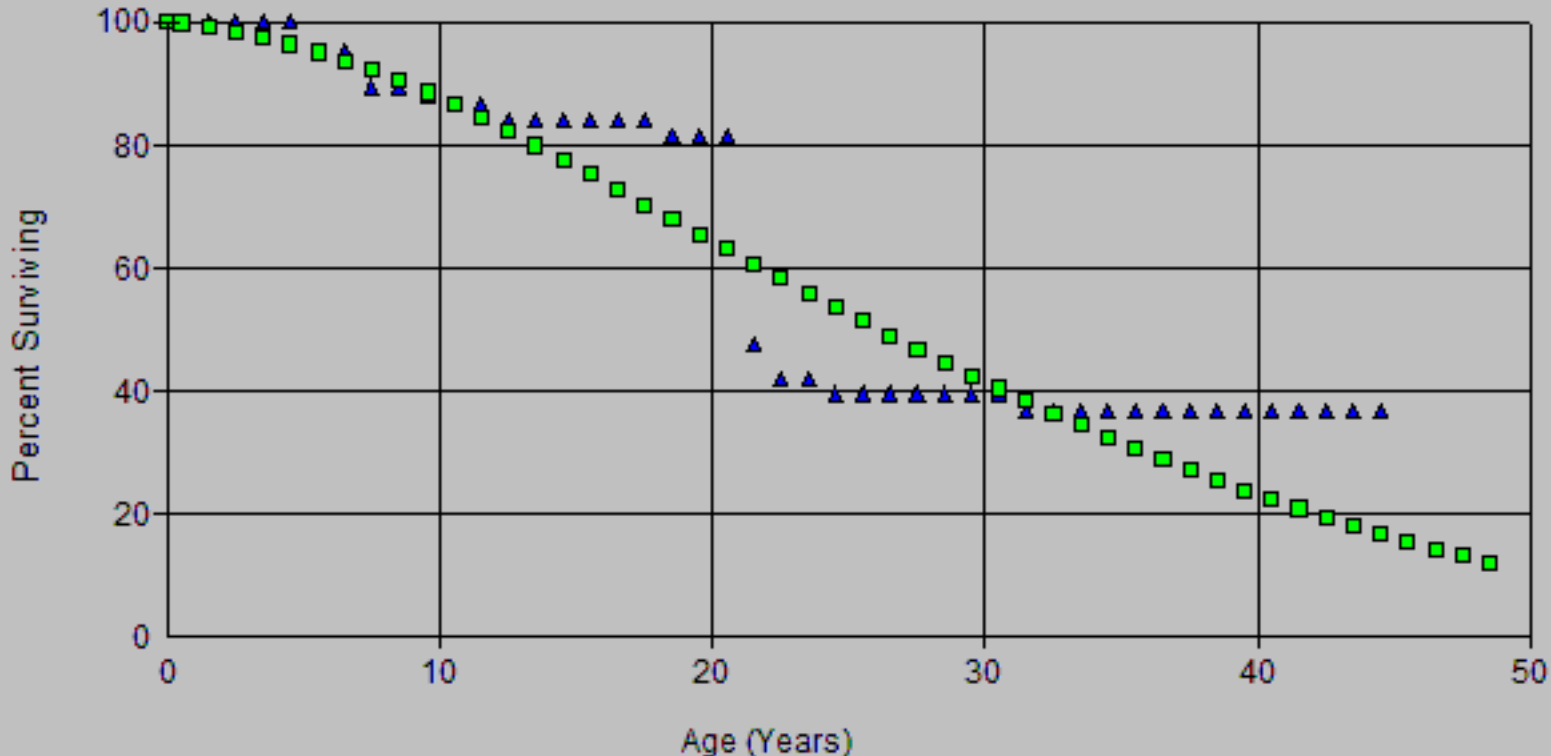


Account: 35-Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ L0.5 28.00

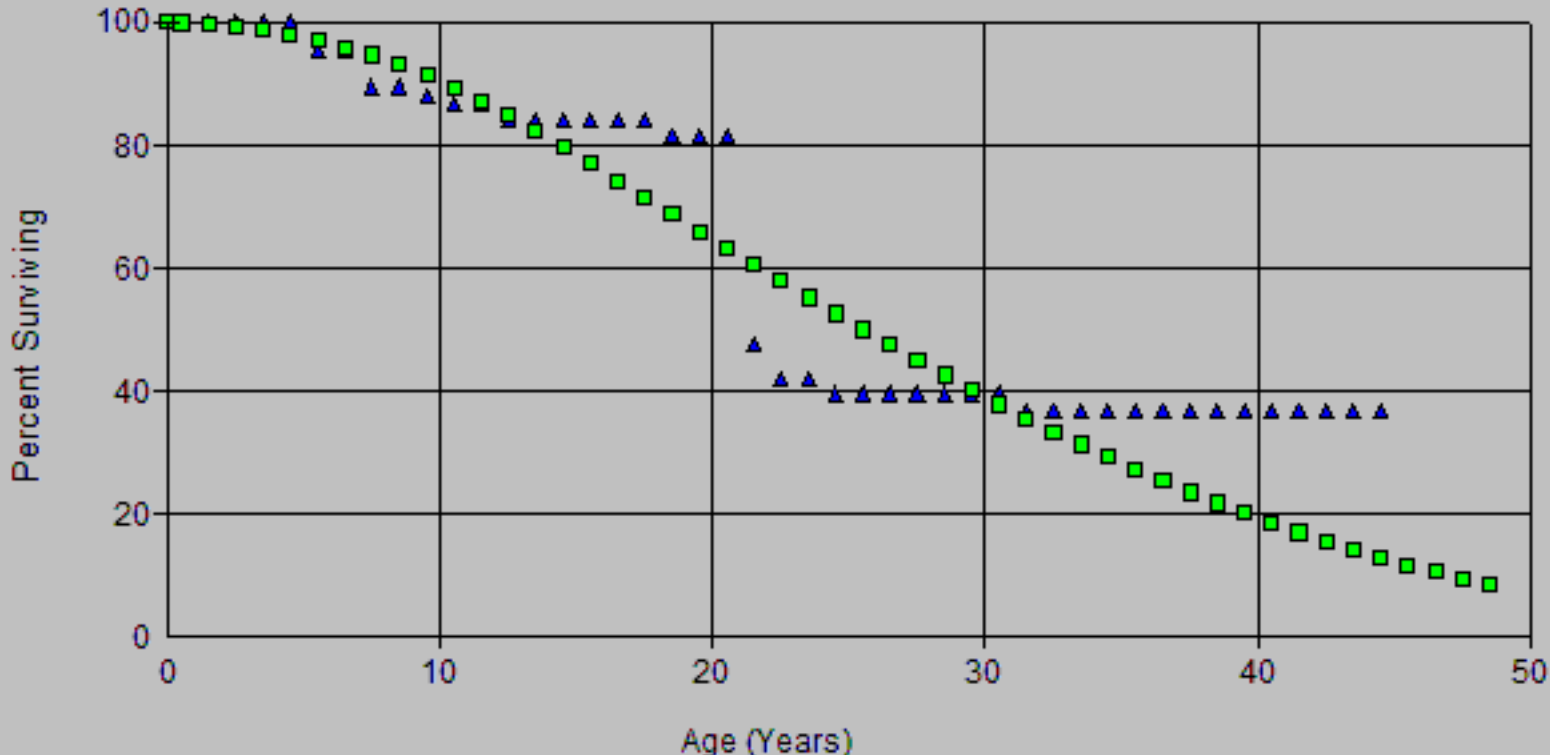


Account: 350 Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ L1 27.00

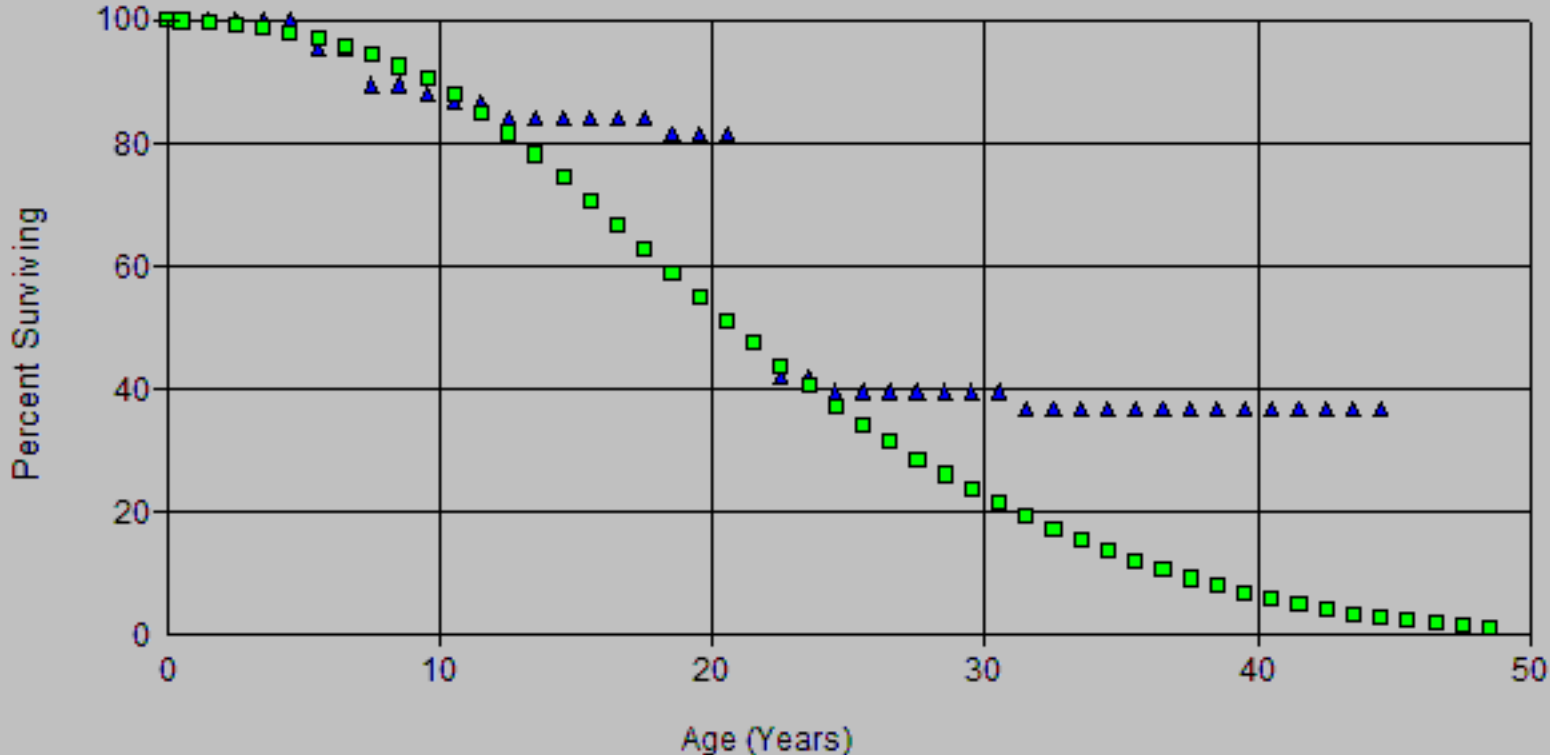


Account: 350 Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ L1.5 22.00

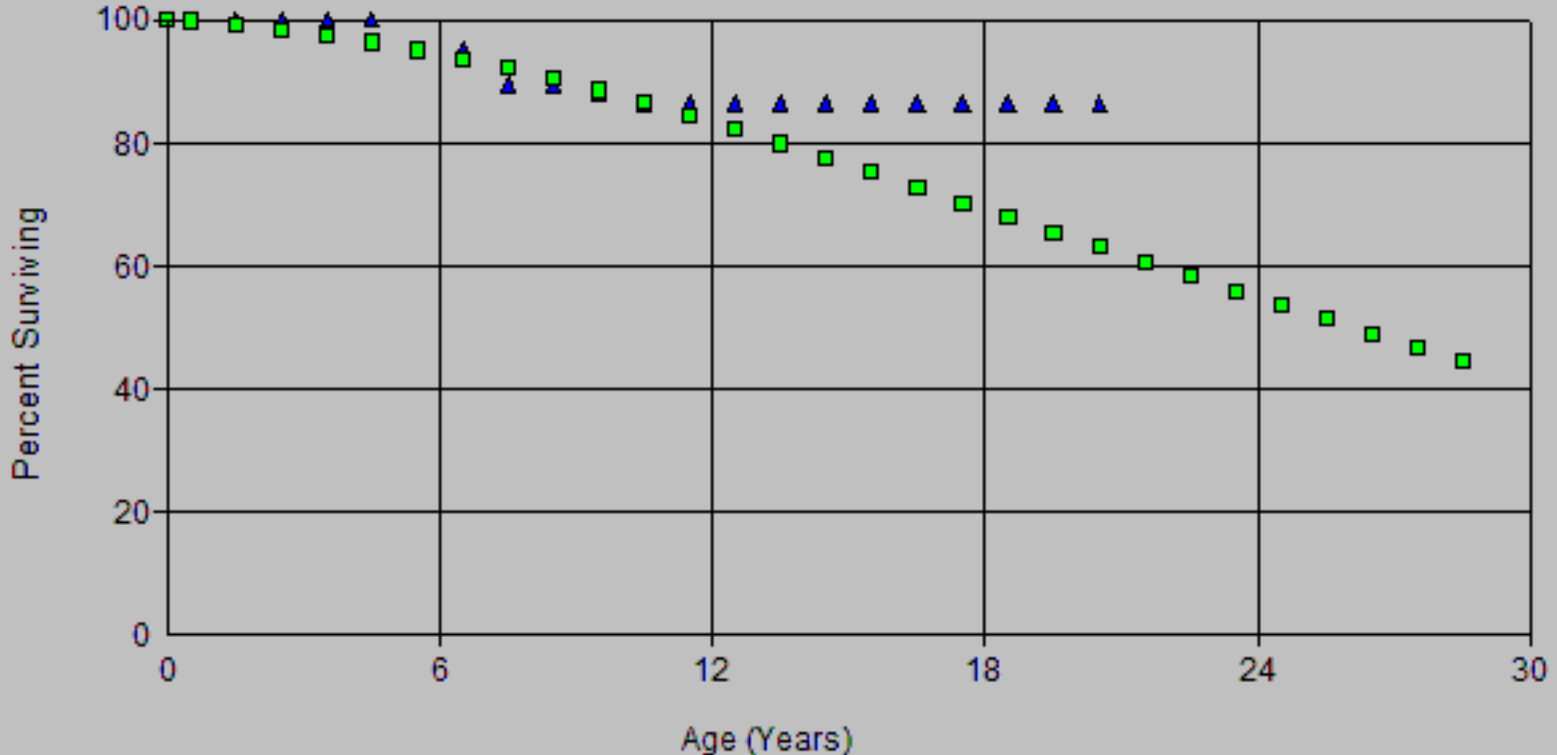


Account: 35-Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ L0.5 28.00

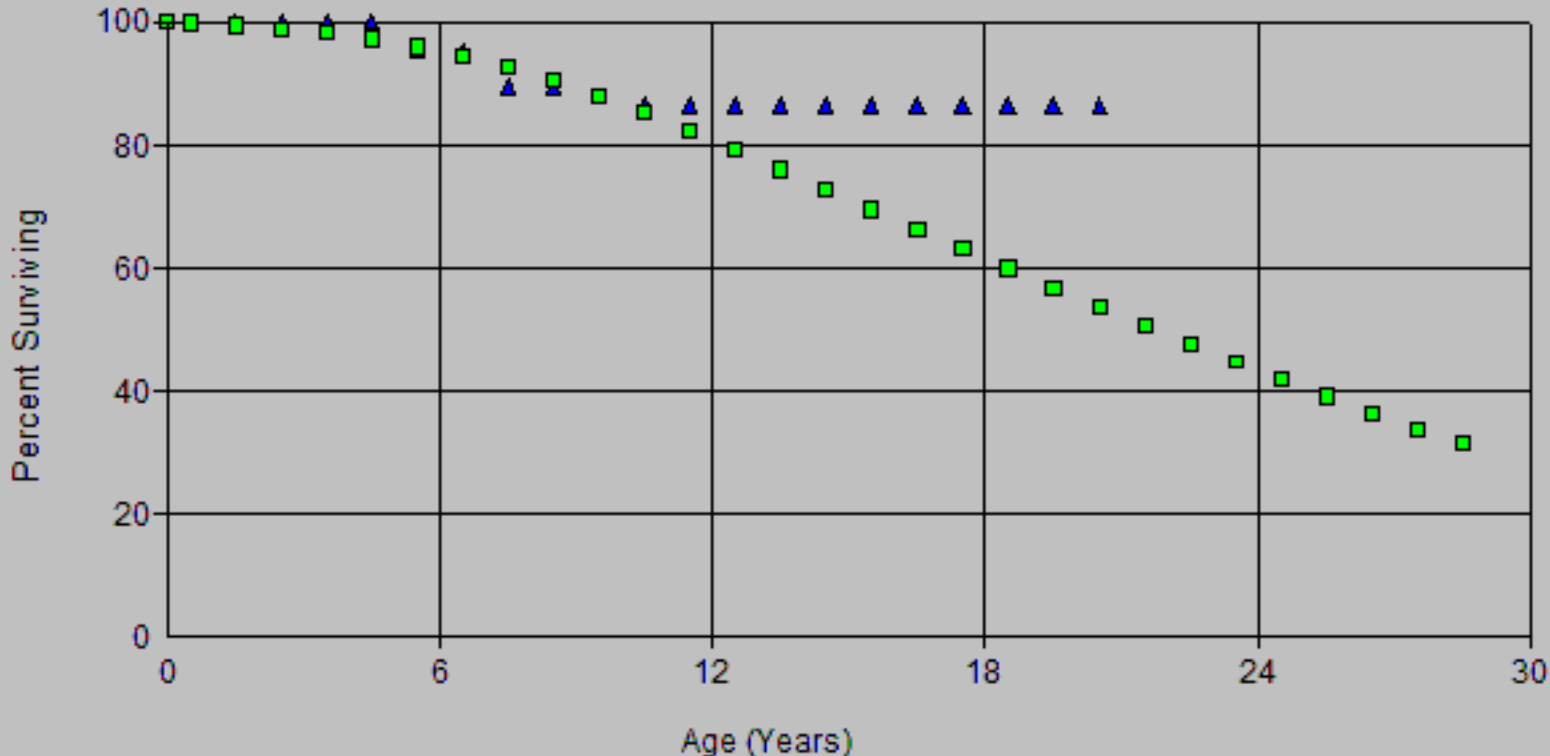


Account: 35-Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ L1 23.00

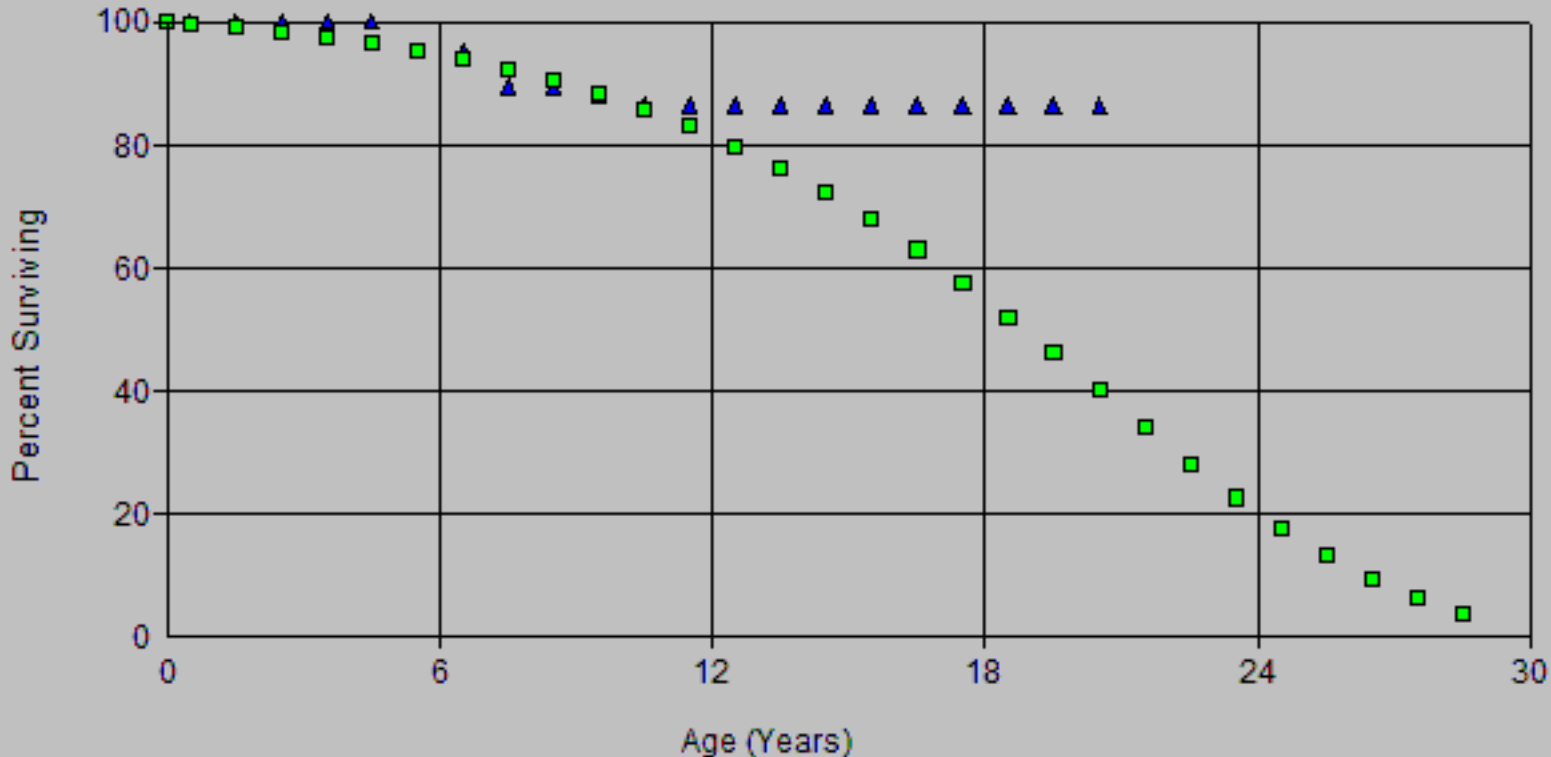


Account: 35-Meas & Reg Eq

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data

■ R2 18.00



Scenario: So California Gas Actuarial @ 2020

Account: 355-Meas & Reg Eqt

Placement Band: 1941 - 2020

Observation Band: 2003 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	18,442,739.78	0.00	0.00000	1.00000	100.00
0.5	18,288,040.46	0.00	0.00000	1.00000	100.00
1.5	8,485,602.85	0.00	0.00000	1.00000	100.00
2.5	8,001,090.17	0.00	0.00000	1.00000	100.00
3.5	7,758,791.99	0.00	0.00000	1.00000	100.00
4.5	7,758,791.99	345,590.66	0.04454	0.95546	100.00
5.5	6,322,371.47	10,508.78	0.00166	0.99834	95.55
6.5	6,012,727.90	365,817.92	0.06084	0.93916	95.39
7.5	5,815,331.17	0.00	0.00000	1.00000	89.58
8.5	5,095,399.31	78,794.16	0.01546	0.98454	89.58
9.5	5,016,605.15	93,724.14	0.01868	0.98132	88.20
10.5	4,568,252.71	0.00	0.00000	1.00000	86.55
11.5	3,565,251.42	100,461.26	0.02818	0.97182	86.55
12.5	3,248,799.44	0.00	0.00000	1.00000	84.11
13.5	2,932,151.55	0.00	0.00000	1.00000	84.11
14.5	2,565,954.99	0.00	0.00000	1.00000	84.11
15.5	535,078.79	0.00	0.00000	1.00000	84.11
16.5	544,026.60	0.00	0.00000	1.00000	84.11
17.5	383,581.20	12,113.83	0.03158	0.96842	84.11
18.5	371,467.37	0.00	0.00000	1.00000	81.46
19.5	612,906.77	0.00	0.00000	1.00000	81.46
20.5	543,146.33	226,276.53	0.41660	0.58340	81.46
21.5	316,869.80	36,710.00	0.11585	0.88415	47.52
22.5	280,159.80	0.00	0.00000	1.00000	42.02
23.5	280,159.80	15,902.89	0.05676	0.94324	42.02
24.5	315,818.48	0.00	0.00000	1.00000	39.63
25.5	315,818.48	0.00	0.00000	1.00000	39.63
26.5	395,794.69	0.00	0.00000	1.00000	39.63
27.5	395,794.69	0.00	0.00000	1.00000	39.63
28.5	400,003.69	0.00	0.00000	1.00000	39.63
29.5	400,003.69	0.00	0.00000	1.00000	39.63
30.5	403,370.69	27,920.13	0.06922	0.93078	39.63
31.5	347,075.19	0.00	0.00000	1.00000	36.89
32.5	330,452.14	0.00	0.00000	1.00000	36.89
33.5	350,014.14	0.00	0.00000	1.00000	36.89
34.5	329,176.16	0.00	0.00000	1.00000	36.89
35.5	336,342.16	0.00	0.00000	1.00000	36.89
36.5	339,102.16	0.00	0.00000	1.00000	36.89
37.5	150,667.65	0.00	0.00000	1.00000	36.89
38.5	180,540.65	0.00	0.00000	1.00000	36.89
39.5	183,940.65	0.00	0.00000	1.00000	36.89
40.5	189,488.65	0.00	0.00000	1.00000	36.89
41.5	196,574.65	0.00	0.00000	1.00000	36.89
42.5	145,013.08	0.00	0.00000	1.00000	36.89
43.5	145,013.08	0.00	0.00000	1.00000	36.89
44.5	92,957.00	0.00	0.00000	1.00000	36.89
45.5	97,306.00	0.00	0.00000	1.00000	36.89
46.5	107,594.14	0.00	0.00000	1.00000	36.89
47.5	107,594.14	0.00	0.00000	1.00000	36.89
48.5	104,653.14	0.00	0.00000	1.00000	36.89
49.5	104,199.14	0.00	0.00000	1.00000	36.89
50.5	127,687.87	0.00	0.00000	1.00000	36.89
51.5	130,248.54	0.00	0.00000	1.00000	36.89
52.5	131,784.54	0.00	0.00000	1.00000	36.89

Scenario: So California Gas Actuarial @ 2020

Account: 355-Meas & Reg Eq

Placement Band: 1941 - 2020

Observation Band: 2003 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	150,584.91	0.00	0.00000	1.00000	36.89
54.5	151,324.91	0.00	0.00000	1.00000	36.89
55.5	150,932.91	0.00	0.00000	1.00000	36.89
56.5	131,452.91	0.00	0.00000	1.00000	36.89
57.5	153,819.45	0.00	0.00000	1.00000	36.89
58.5	148,271.45	0.00	0.00000	1.00000	36.89
59.5	141,185.45	0.00	0.00000	1.00000	36.89
60.5	141,185.45	0.00	0.00000	1.00000	36.89
61.5	168,759.99	0.00	0.00000	1.00000	36.89
62.5	168,759.99	0.00	0.00000	1.00000	36.89
63.5	164,410.99	0.00	0.00000	1.00000	36.89
64.5	149,913.85	0.00	0.00000	1.00000	36.89
65.5	149,913.85	26,547.03	0.17708	0.82292	36.89
66.5	122,940.82	0.00	0.00000	1.00000	30.36
67.5	119,261.82	0.00	0.00000	1.00000	30.36
68.5	92,058.09	0.00	0.00000	1.00000	30.36
69.5	69,935.42	0.00	0.00000	1.00000	30.36
70.5	66,653.42	0.00	0.00000	1.00000	30.36
71.5	40,687.05	0.00	0.00000	1.00000	30.36
72.5	37,187.05	0.00	0.00000	1.00000	30.36
73.5	37,187.05	0.00	0.00000	1.00000	30.36
74.5	26,794.05	0.00	0.00000	1.00000	30.36
75.5	1,027.51	0.00	0.00000	1.00000	30.36
76.5	1,027.51	0.00	0.00000	1.00000	30.36
77.5	1,027.51	0.00	0.00000	1.00000	30.36
78.5	1,027.51	0.00	0.00000	1.00000	30.36
79.5	0.00	0.00	0.00000	0.00000	30.36

Scenario: So California Gas Actuarial @ 2020

Account: 355-Meas & Reg Eqt

Placement Band: 1956 - 2020

Observation Band: 2003 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	18,442,739.78	0.00	0.00000	1.00000	100.00
0.5	18,288,040.46	0.00	0.00000	1.00000	100.00
1.5	8,485,602.85	0.00	0.00000	1.00000	100.00
2.5	8,001,090.17	0.00	0.00000	1.00000	100.00
3.5	7,758,791.99	0.00	0.00000	1.00000	100.00
4.5	7,758,791.99	345,590.66	0.04454	0.95546	100.00
5.5	6,322,371.47	10,508.78	0.00166	0.99834	95.55
6.5	6,012,727.90	365,817.92	0.06084	0.93916	95.39
7.5	5,815,331.17	0.00	0.00000	1.00000	89.58
8.5	5,095,399.31	78,794.16	0.01546	0.98454	89.58
9.5	5,016,605.15	93,724.14	0.01868	0.98132	88.20
10.5	4,568,252.71	0.00	0.00000	1.00000	86.55
11.5	3,565,251.42	100,461.26	0.02818	0.97182	86.55
12.5	3,248,799.44	0.00	0.00000	1.00000	84.11
13.5	2,932,151.55	0.00	0.00000	1.00000	84.11
14.5	2,565,954.99	0.00	0.00000	1.00000	84.11
15.5	535,078.79	0.00	0.00000	1.00000	84.11
16.5	544,026.60	0.00	0.00000	1.00000	84.11
17.5	383,581.20	12,113.83	0.03158	0.96842	84.11
18.5	371,467.37	0.00	0.00000	1.00000	81.46
19.5	612,906.77	0.00	0.00000	1.00000	81.46
20.5	543,146.33	226,276.53	0.41660	0.58340	81.46
21.5	316,869.80	36,710.00	0.11585	0.88415	47.52
22.5	280,159.80	0.00	0.00000	1.00000	42.02
23.5	280,159.80	15,902.89	0.05676	0.94324	42.02
24.5	315,818.48	0.00	0.00000	1.00000	39.63
25.5	315,818.48	0.00	0.00000	1.00000	39.63
26.5	395,794.69	0.00	0.00000	1.00000	39.63
27.5	395,794.69	0.00	0.00000	1.00000	39.63
28.5	400,003.69	0.00	0.00000	1.00000	39.63
29.5	400,003.69	0.00	0.00000	1.00000	39.63
30.5	403,370.69	27,920.13	0.06922	0.93078	39.63
31.5	347,075.19	0.00	0.00000	1.00000	36.89
32.5	330,452.14	0.00	0.00000	1.00000	36.89
33.5	350,014.14	0.00	0.00000	1.00000	36.89
34.5	329,176.16	0.00	0.00000	1.00000	36.89
35.5	336,342.16	0.00	0.00000	1.00000	36.89
36.5	339,102.16	0.00	0.00000	1.00000	36.89
37.5	150,667.65	0.00	0.00000	1.00000	36.89
38.5	180,540.65	0.00	0.00000	1.00000	36.89
39.5	183,940.65	0.00	0.00000	1.00000	36.89
40.5	189,488.65	0.00	0.00000	1.00000	36.89
41.5	196,574.65	0.00	0.00000	1.00000	36.89
42.5	145,013.08	0.00	0.00000	1.00000	36.89
43.5	145,013.08	0.00	0.00000	1.00000	36.89
44.5	92,957.00	0.00	0.00000	1.00000	36.89
45.5	97,306.00	0.00	0.00000	1.00000	36.89
46.5	107,594.14	0.00	0.00000	1.00000	36.89
47.5	107,594.14	0.00	0.00000	1.00000	36.89
48.5	104,227.14	0.00	0.00000	1.00000	36.89
49.5	100,094.14	0.00	0.00000	1.00000	36.89
50.5	96,379.14	0.00	0.00000	1.00000	36.89
51.5	76,817.14	0.00	0.00000	1.00000	36.89
52.5	75,071.14	0.00	0.00000	1.00000	36.89

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 355-Meas & Reg Eqt

Placement Band: 1956 - 2020

Observation Band: 2003 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	67,905.14	0.00	0.00000	1.00000	36.89
54.5	65,145.14	0.00	0.00000	1.00000	36.89
55.5	64,753.14	0.00	0.00000	1.00000	36.89
56.5	34,880.14	0.00	0.00000	1.00000	36.89
57.5	31,480.14	0.00	0.00000	1.00000	36.89
58.5	25,932.14	0.00	0.00000	1.00000	36.89
59.5	18,846.14	0.00	0.00000	1.00000	36.89
60.5	18,846.14	0.00	0.00000	1.00000	36.89
61.5	18,846.14	0.00	0.00000	1.00000	36.89
62.5	18,846.14	0.00	0.00000	1.00000	36.89
63.5	14,497.14	0.00	0.00000	1.00000	36.89
64.5	0.00	0.00	0.00000	0.00000	36.89

Scenario: So California Gas Actuarial @ 2020

Account: 355-Meas & Reg Eqt

Placement Band: 1976 - 2020

Observation Band: 2003 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	18,442,739.78	0.00	0.00000	1.00000	100.00
0.5	18,288,040.46	0.00	0.00000	1.00000	100.00
1.5	8,485,602.85	0.00	0.00000	1.00000	100.00
2.5	8,001,090.17	0.00	0.00000	1.00000	100.00
3.5	7,758,791.99	0.00	0.00000	1.00000	100.00
4.5	7,758,791.99	345,590.66	0.04454	0.95546	100.00
5.5	6,322,371.47	10,508.78	0.00166	0.99834	95.55
6.5	6,012,727.90	365,817.92	0.06084	0.93916	95.39
7.5	5,815,331.17	0.00	0.00000	1.00000	89.58
8.5	5,095,399.31	78,794.16	0.01546	0.98454	89.58
9.5	5,016,605.15	93,724.14	0.01868	0.98132	88.20
10.5	4,568,252.71	0.00	0.00000	1.00000	86.55
11.5	3,565,251.42	100,461.26	0.02818	0.97182	86.55
12.5	3,248,799.44	0.00	0.00000	1.00000	84.11
13.5	2,932,151.55	0.00	0.00000	1.00000	84.11
14.5	2,565,954.99	0.00	0.00000	1.00000	84.11
15.5	535,078.79	0.00	0.00000	1.00000	84.11
16.5	544,026.60	0.00	0.00000	1.00000	84.11
17.5	383,581.20	12,113.83	0.03158	0.96842	84.11
18.5	371,467.37	0.00	0.00000	1.00000	81.46
19.5	612,906.77	0.00	0.00000	1.00000	81.46
20.5	543,146.33	226,276.53	0.41660	0.58340	81.46
21.5	316,869.80	36,710.00	0.11585	0.88415	47.52
22.5	280,159.80	0.00	0.00000	1.00000	42.02
23.5	280,159.80	15,902.89	0.05676	0.94324	42.02
24.5	315,818.48	0.00	0.00000	1.00000	39.63
25.5	315,818.48	0.00	0.00000	1.00000	39.63
26.5	395,794.69	0.00	0.00000	1.00000	39.63
27.5	395,794.69	0.00	0.00000	1.00000	39.63
28.5	395,794.69	0.00	0.00000	1.00000	39.63
29.5	395,794.69	0.00	0.00000	1.00000	39.63
30.5	395,794.69	27,920.13	0.07054	0.92946	39.63
31.5	335,366.19	0.00	0.00000	1.00000	36.84
32.5	315,028.14	0.00	0.00000	1.00000	36.84
33.5	315,028.14	0.00	0.00000	1.00000	36.84
34.5	292,444.16	0.00	0.00000	1.00000	36.84
35.5	292,444.16	0.00	0.00000	1.00000	36.84
36.5	292,444.16	0.00	0.00000	1.00000	36.84
37.5	103,617.65	0.00	0.00000	1.00000	36.84
38.5	103,617.65	0.00	0.00000	1.00000	36.84
39.5	103,617.65	0.00	0.00000	1.00000	36.84
40.5	103,617.65	0.00	0.00000	1.00000	36.84
41.5	103,617.65	0.00	0.00000	1.00000	36.84
42.5	52,056.08	0.00	0.00000	1.00000	36.84
43.5	52,056.08	0.00	0.00000	1.00000	36.84
44.5	0.00	0.00	0.00000	0.00000	36.84

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 355-Meas & Reg Eqt

Placement Band: 1996 - 2020

Observation Band: 2003 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	18,442,739.78	0.00	0.00000	1.00000	100.00
0.5	18,288,040.46	0.00	0.00000	1.00000	100.00
1.5	8,485,602.85	0.00	0.00000	1.00000	100.00
2.5	8,001,090.17	0.00	0.00000	1.00000	100.00
3.5	7,758,791.99	0.00	0.00000	1.00000	100.00
4.5	7,758,791.99	345,590.66	0.04454	0.95546	100.00
5.5	6,322,371.47	10,508.78	0.00166	0.99834	95.55
6.5	6,012,727.90	365,817.92	0.06084	0.93916	95.39
7.5	5,714,869.91	0.00	0.00000	1.00000	89.58
8.5	4,994,938.05	78,794.16	0.01577	0.98423	89.58
9.5	4,916,143.89	93,724.14	0.01906	0.98094	88.17
10.5	4,467,791.45	0.00	0.00000	1.00000	86.49
11.5	3,464,790.16	0.00	0.00000	1.00000	86.49
12.5	3,248,799.44	0.00	0.00000	1.00000	86.49
13.5	2,899,643.18	0.00	0.00000	1.00000	86.49
14.5	2,513,108.57	0.00	0.00000	1.00000	86.49
15.5	482,232.37	0.00	0.00000	1.00000	86.49
16.5	468,596.20	0.00	0.00000	1.00000	86.49
17.5	296,036.97	0.00	0.00000	1.00000	86.49
18.5	296,036.97	0.00	0.00000	1.00000	86.49
19.5	296,036.97	0.00	0.00000	1.00000	86.49
20.5	226,276.53	226,276.53	1.00000	0.00000	86.49
21.5	0.00	0.00	0.00000	1.00000	0.00

Actuarial Life Analysis

Account: 355-Meas & Reg Eqt
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1941 - 2007
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2003 -2007	66.5	0.00	0.09114300	S6	11.60
2004 -2008	67.5	1.06	1.26844056	L0	31.70
2005 -2009	68.5	1.26	1.43524358	L0	33.69
2006 -2010	69.5	0.91	2.53632841	L0	25.00
2007 -2011	70.5	7.39	2.16123428	L0	19.14
2008 -2012	71.5	58.89	2.68506087	L0	51.38
2009 -2013	72.5	60.74	2.55853482	L0	54.44
2010 -2014	73.5	79.49	0.76249454	R0.5	85.20
2011 -2015	74.5	88.13	0.22958456	R0.5	142.76
2012 -2016	75.5	90.50	0.14642025	R0.5	178.07
2013 -2017	76.5	0.00	0.00000000	SQ	21.20
2014 -2018	77.5	0.00	0.00000000	SQ	21.20
2015 -2019	78.5	0.00	0.00000000	SQ	21.20
2016 -2020	79.5	0.00	0.00000000	SQ	21.20

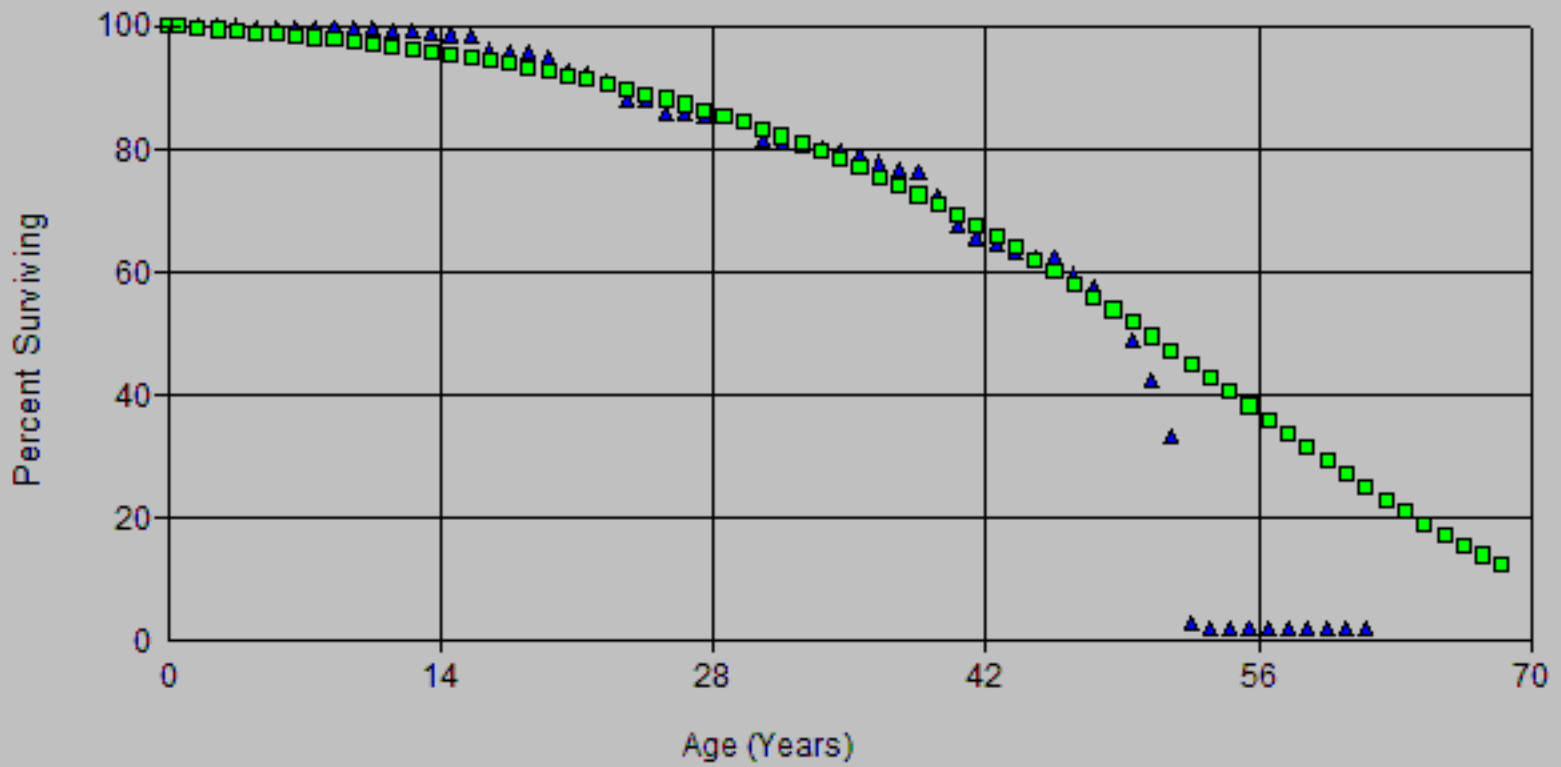
Actuarial Life Analysis

Account: 355-Meas & Reg Eq
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1941 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2003 -2020	79.5	30.36	1.62247827	L0	41.22
2008 -2020	79.5	16.64	2.47445708	L1.5	29.12
2013 -2020	79.5	0.00	0.00000000	SQ	21.20
2018 -2020		1.00			

Account: 356X Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

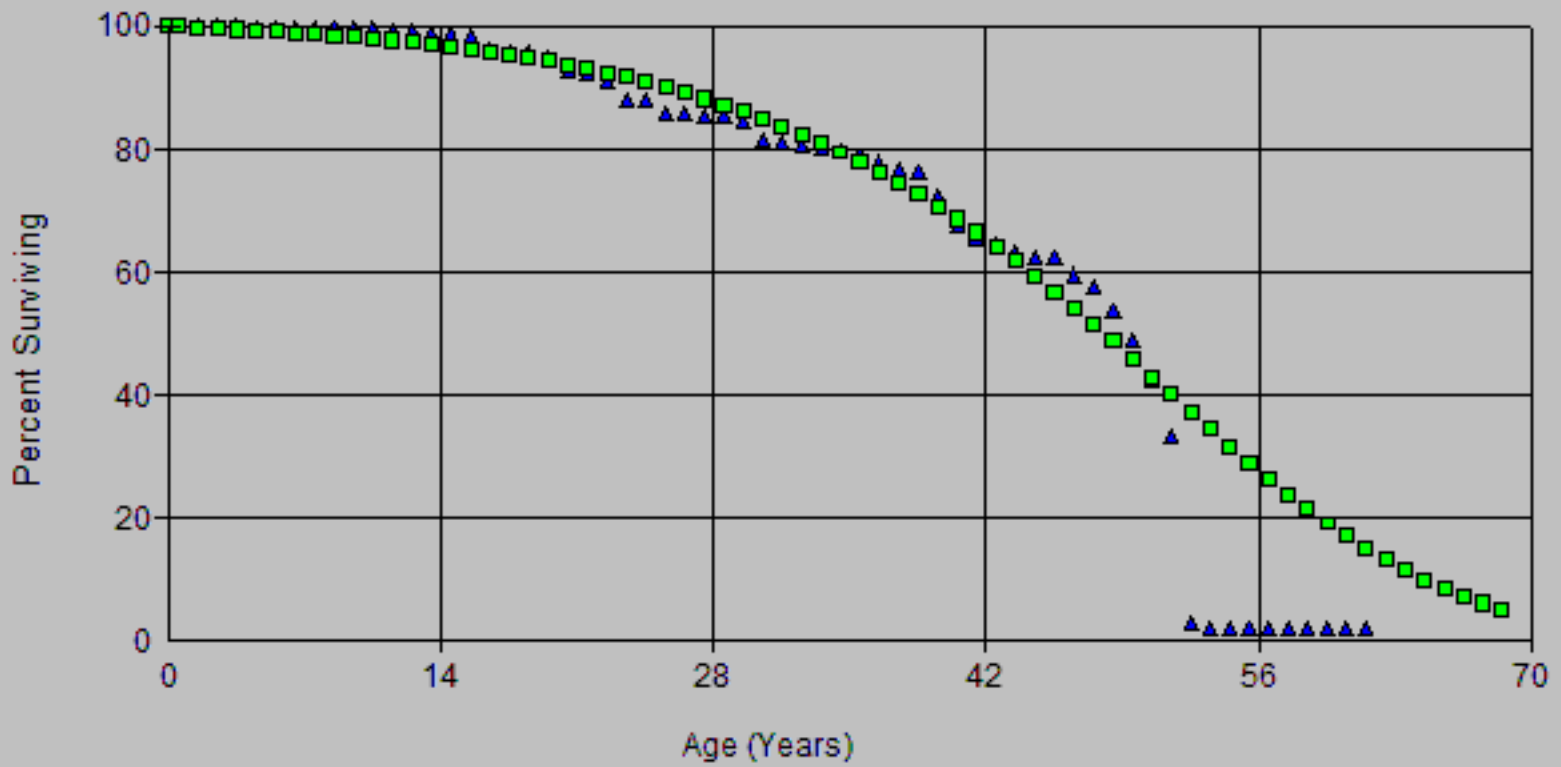
▲ Actual Data ■ R2 48.00



SoCalGas
 2024 GRC APP
 Deprecation Workpapers

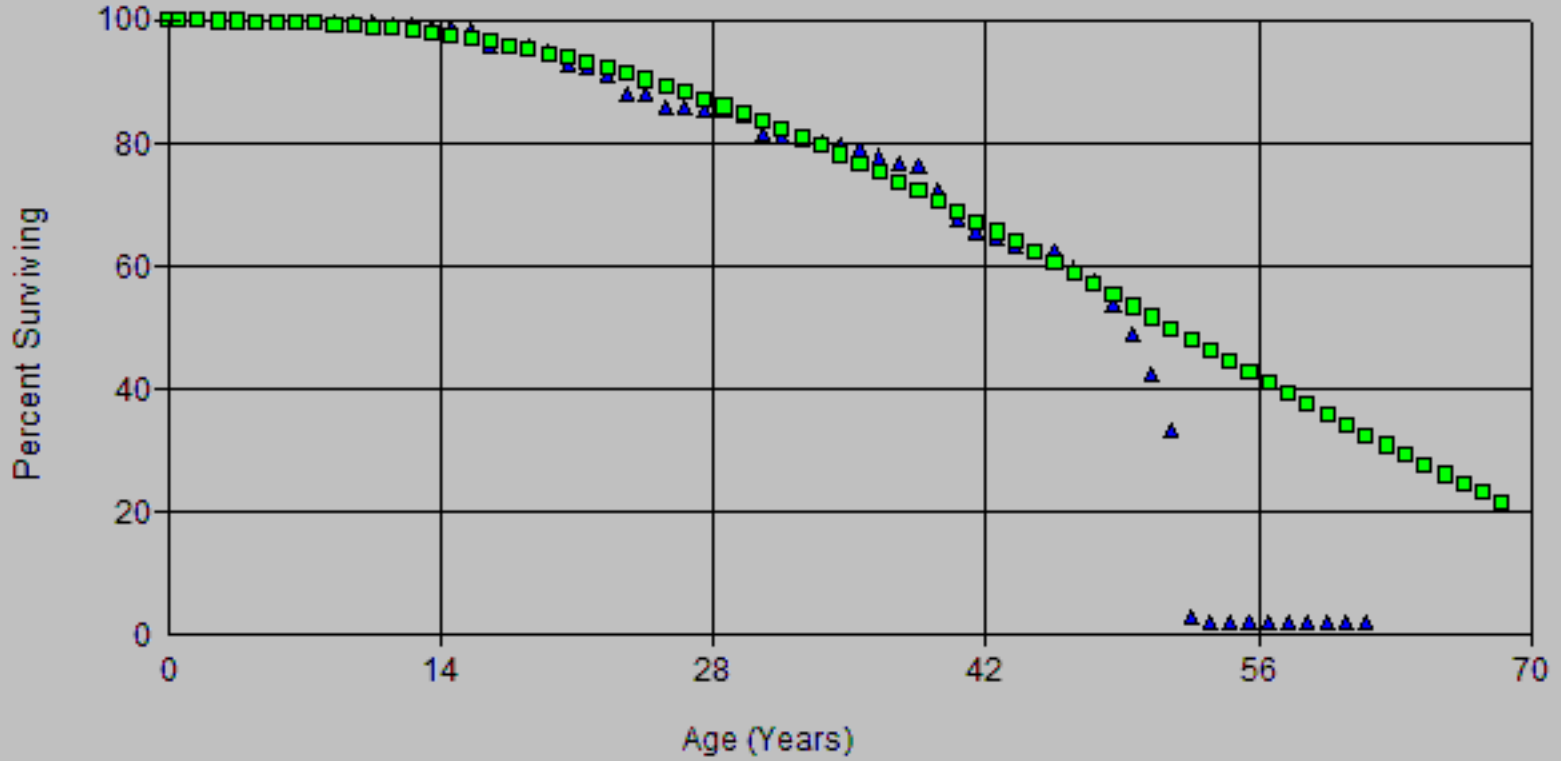
Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 46.00



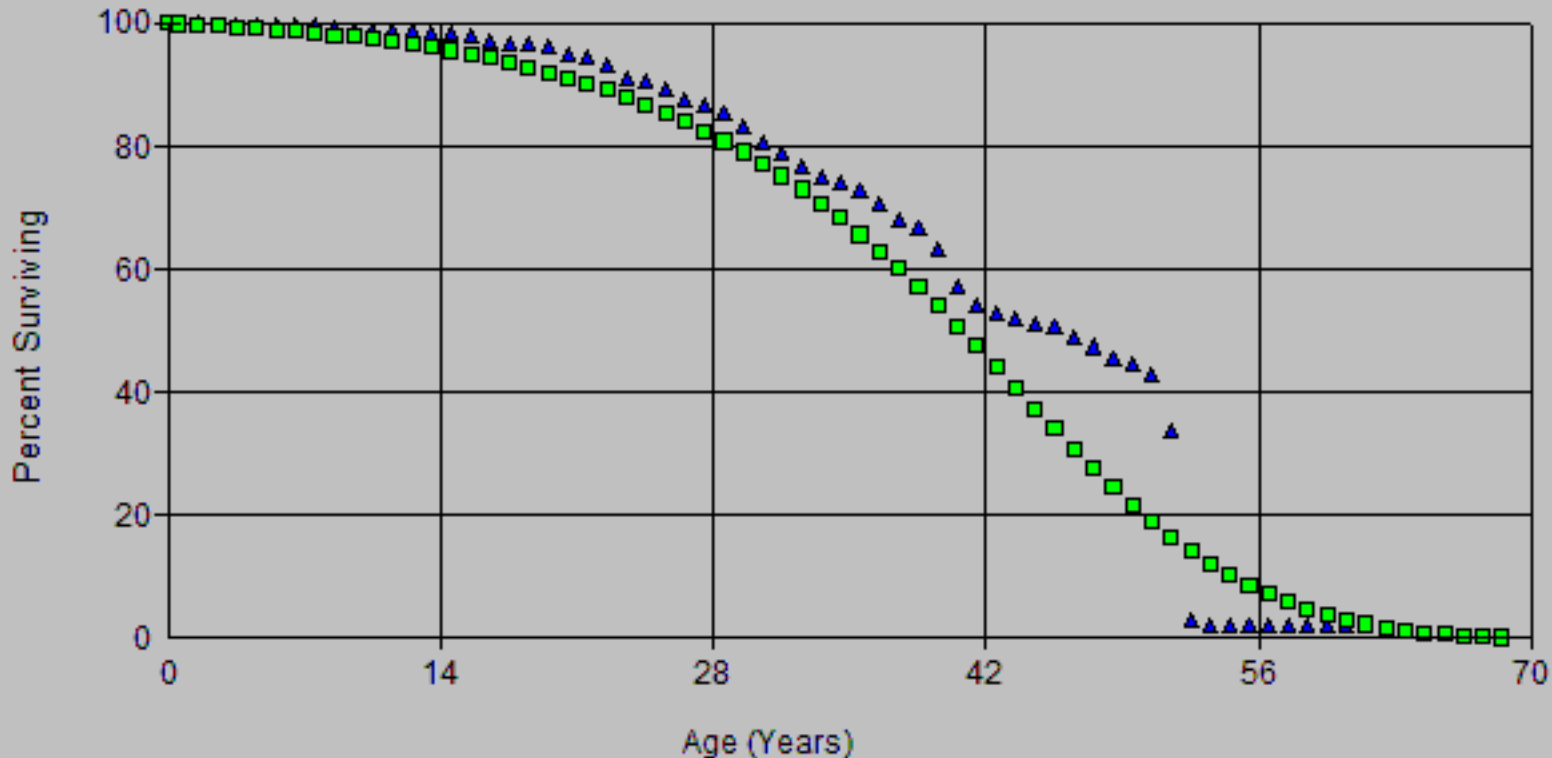
Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1 51.00



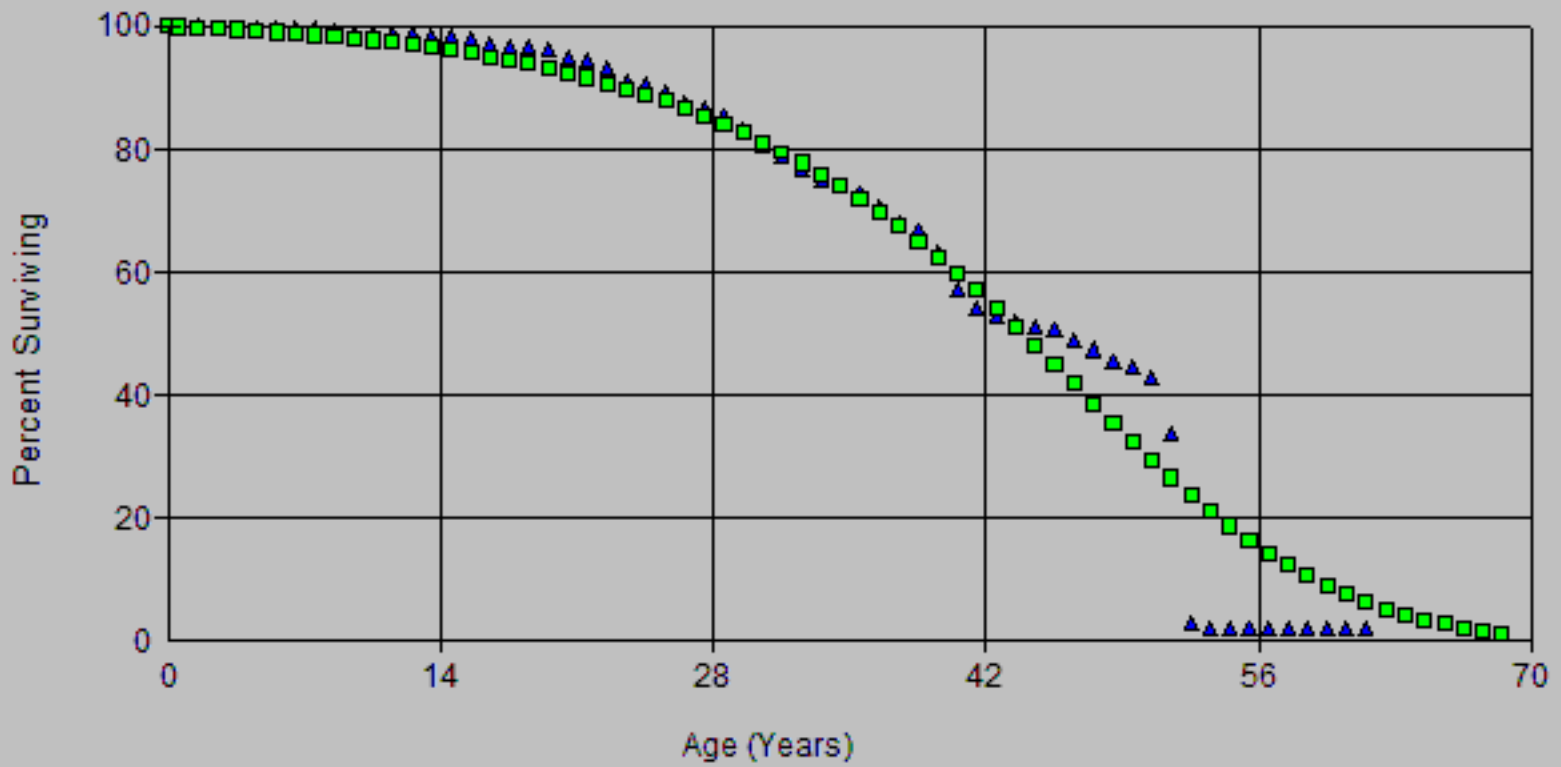
Account: 356 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 39.00



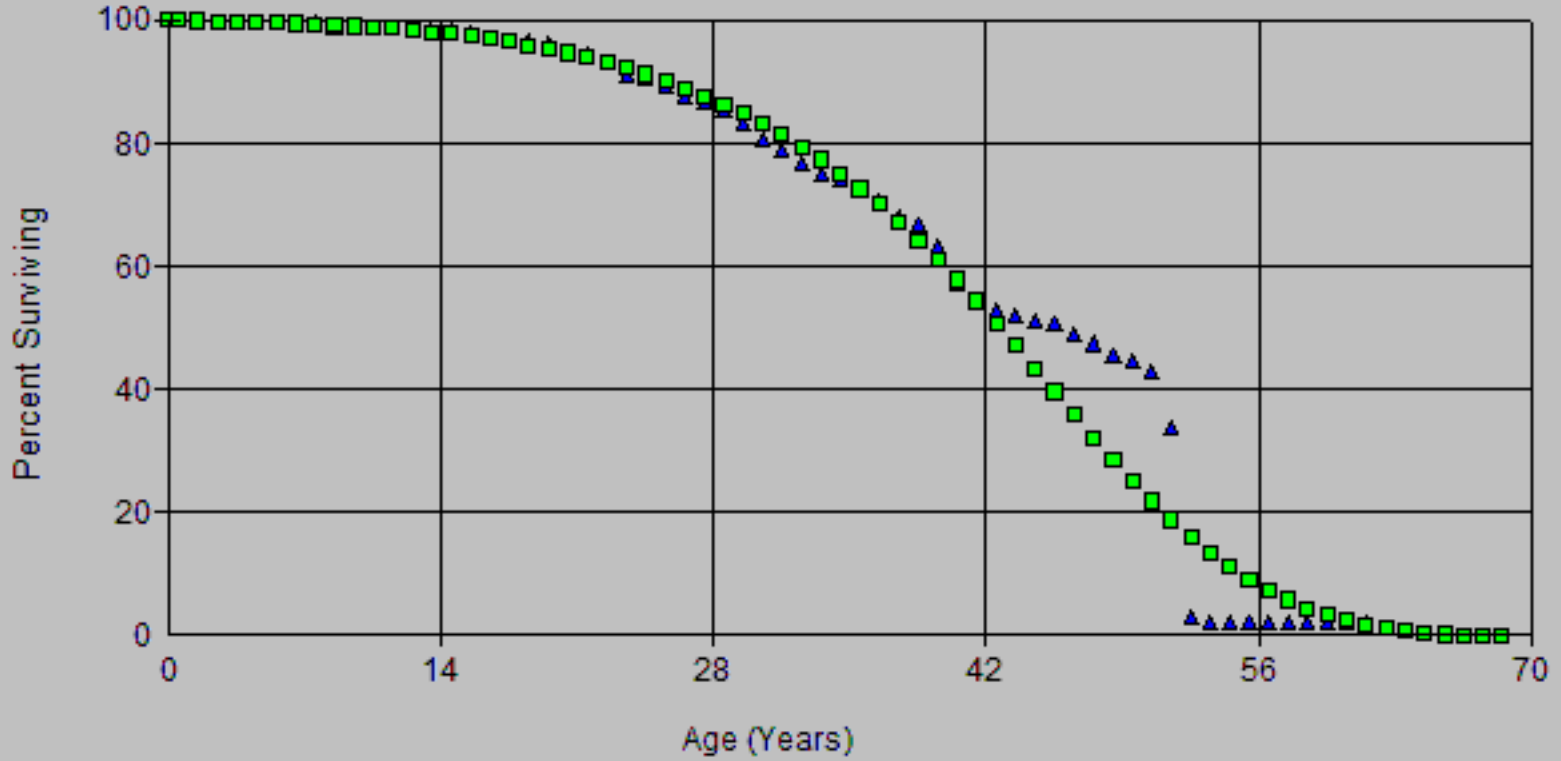
Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 42.00



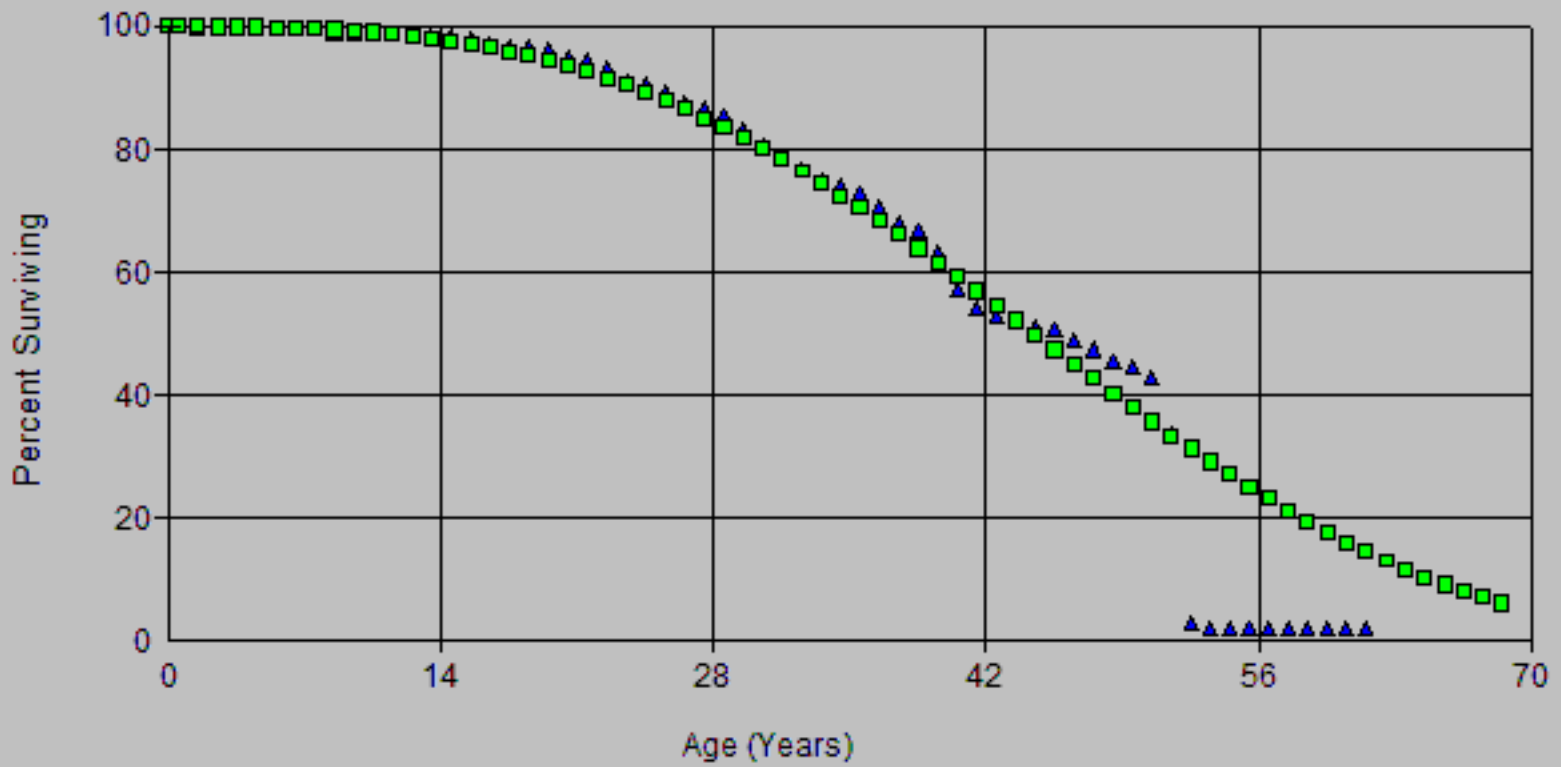
Account: 3566 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R3 41.00



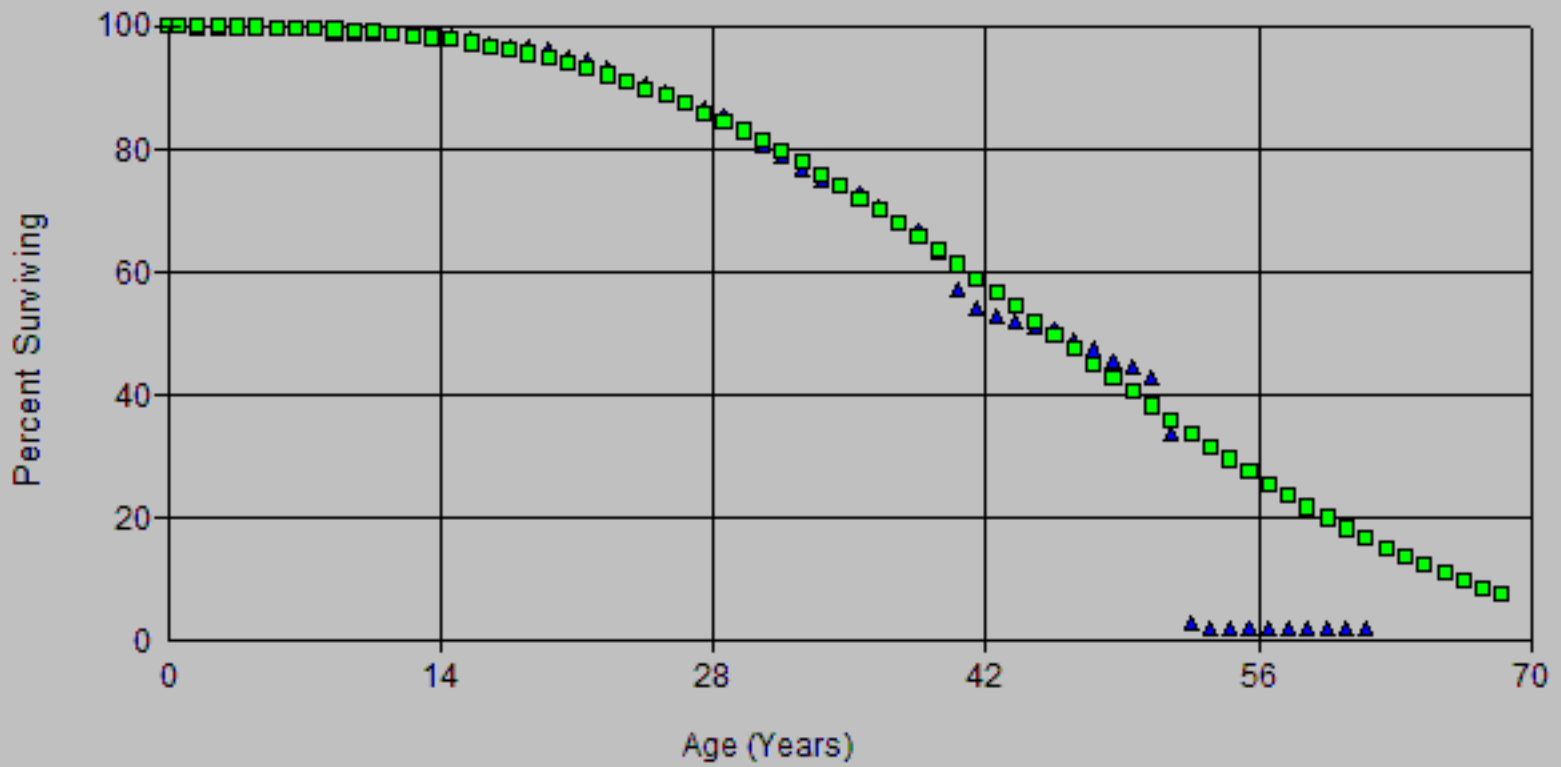
Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1.5 44.00



Account: 356 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

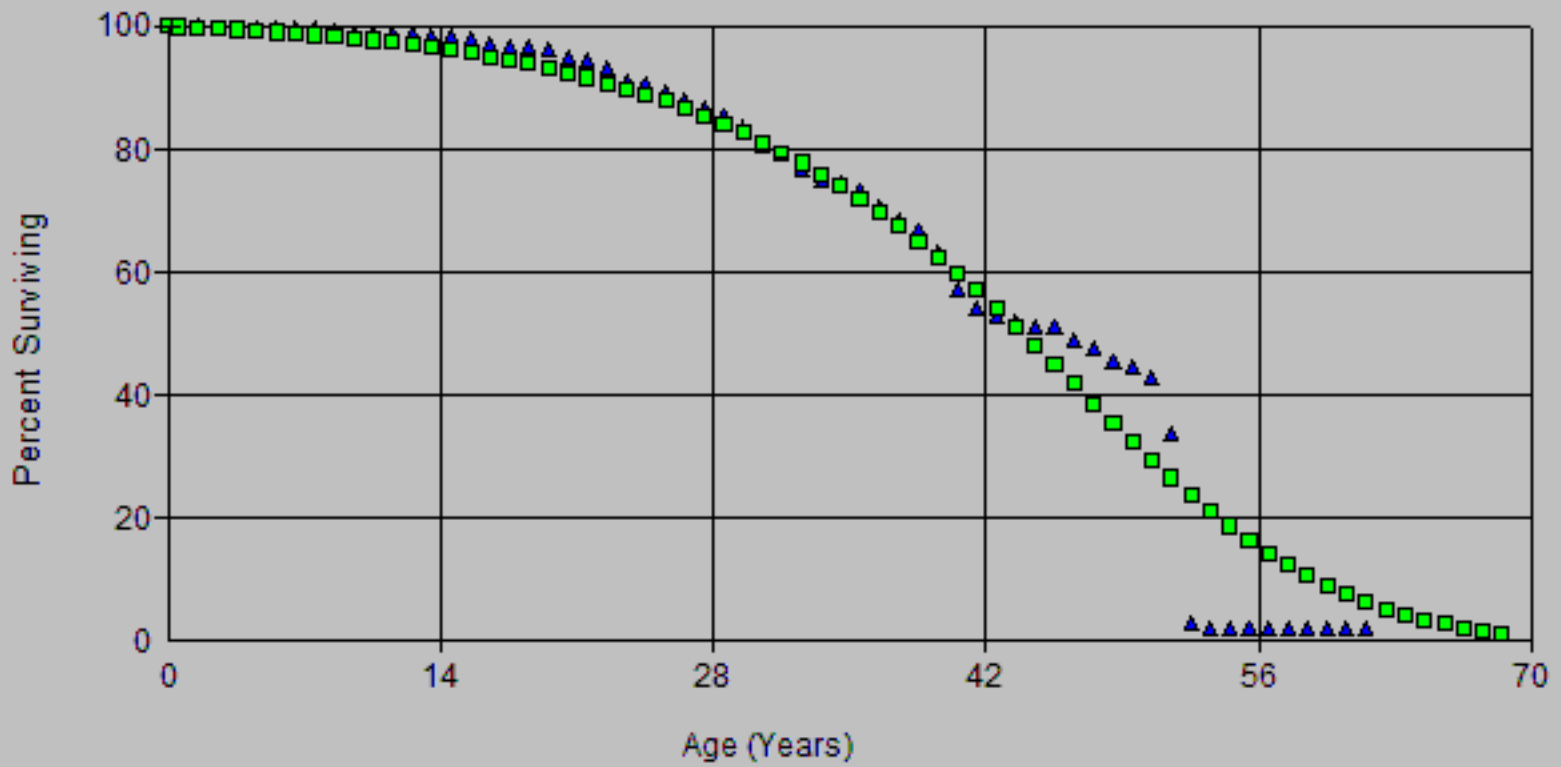
▲ Actual Data ■ S1.5 45.00



Account: 3568 Purification Eqt

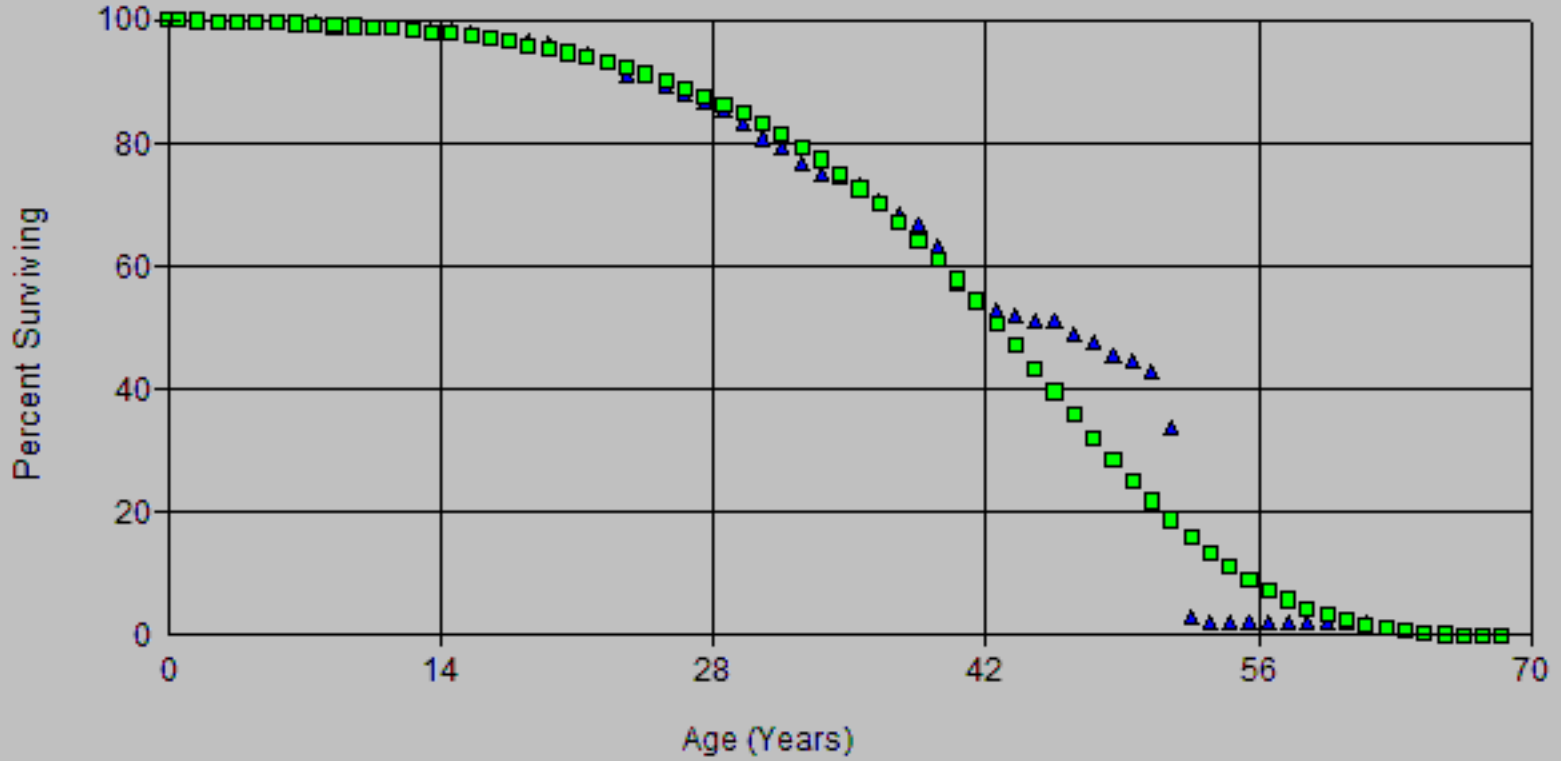
Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 42.00



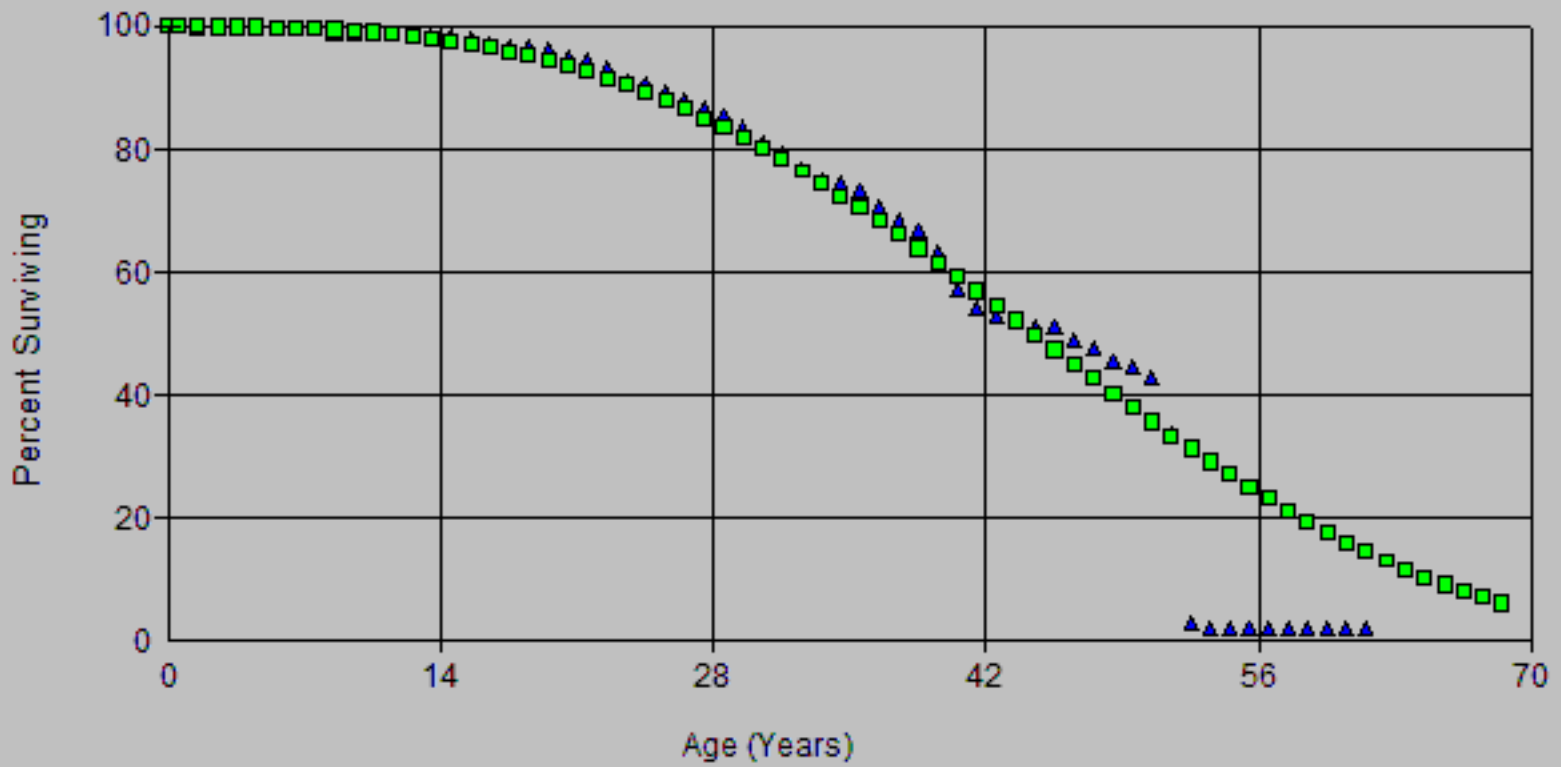
Account: 356 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

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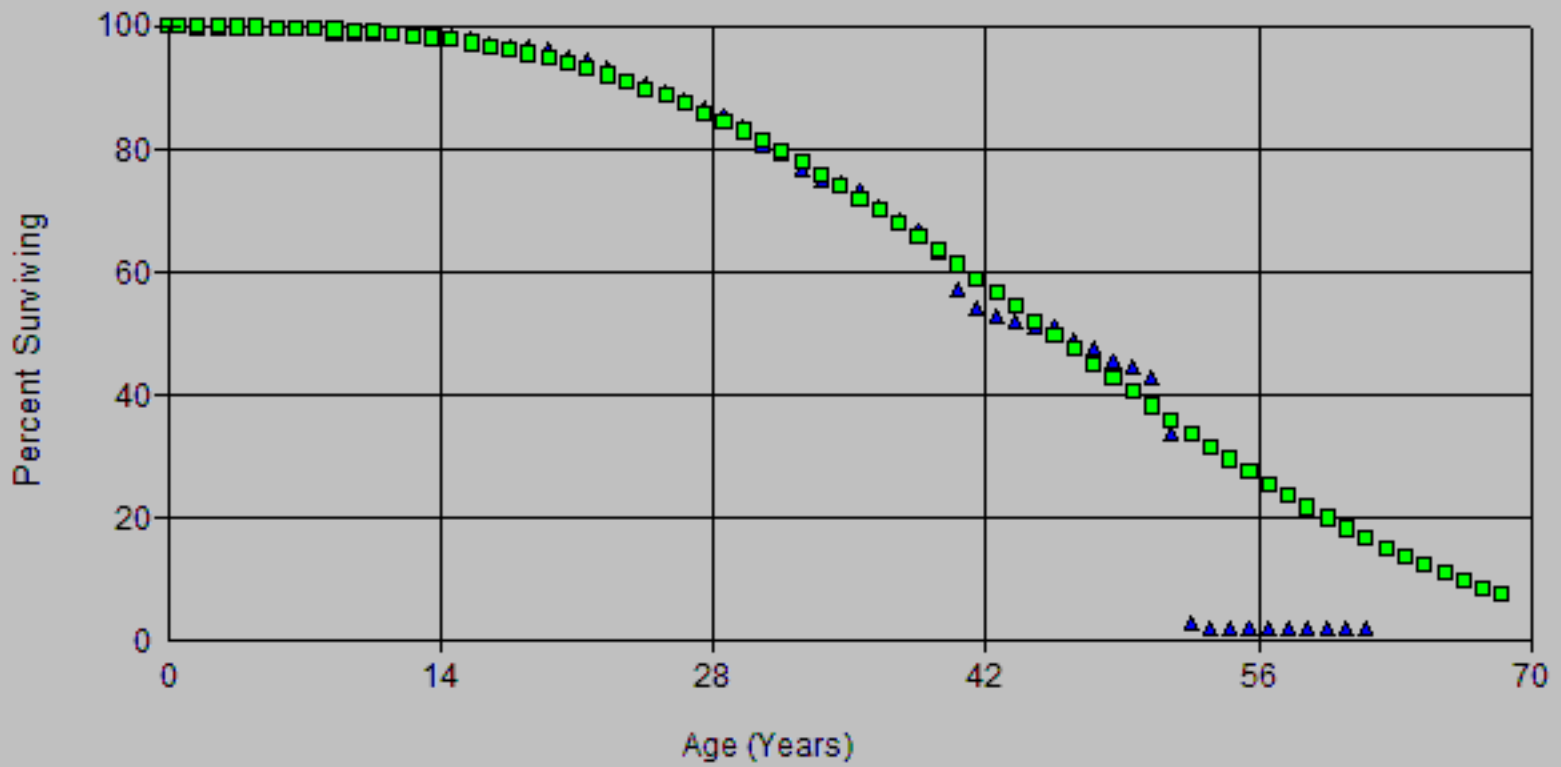
Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1.5 44.00



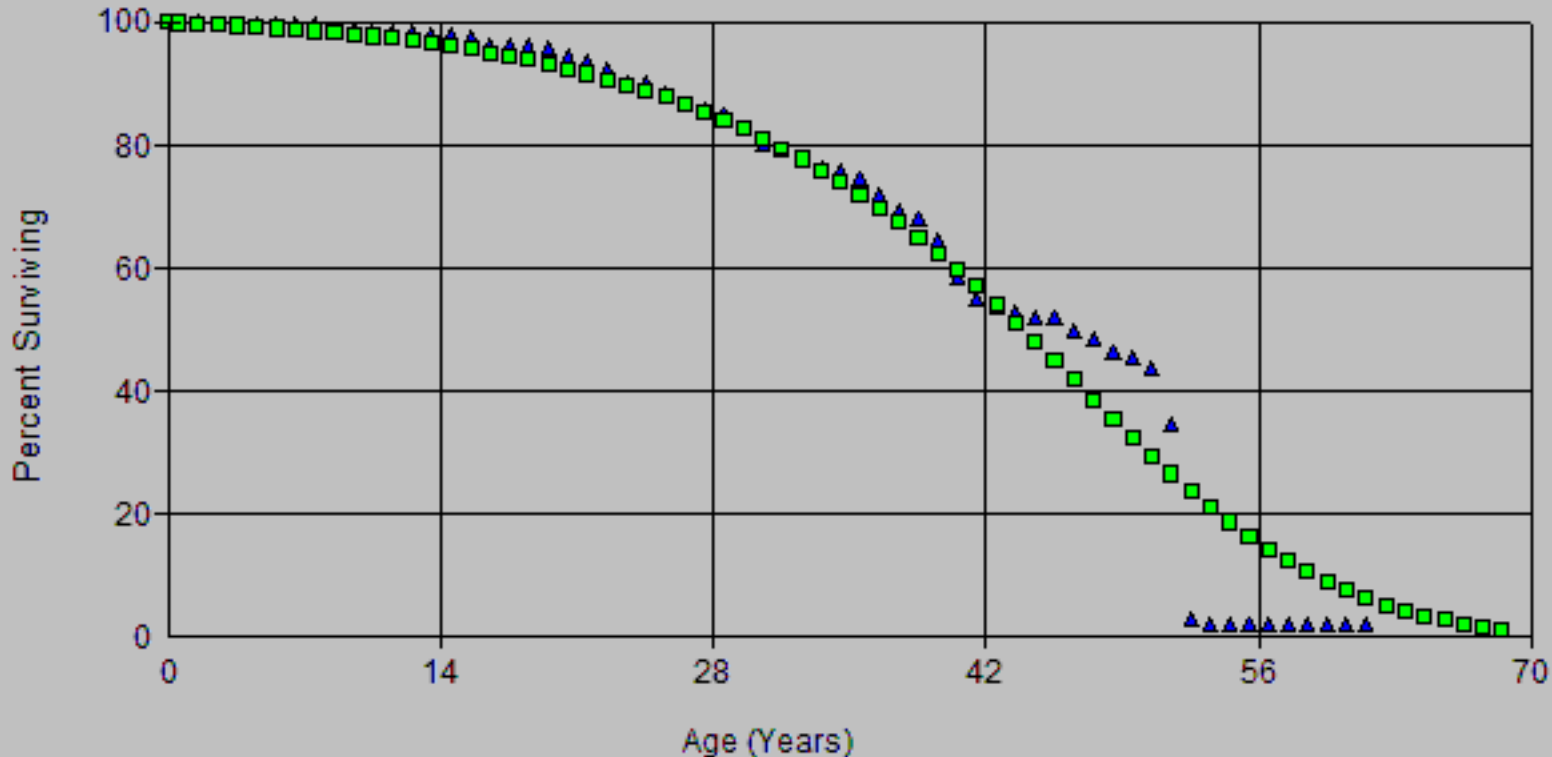
Account: 356 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1.5 45.00



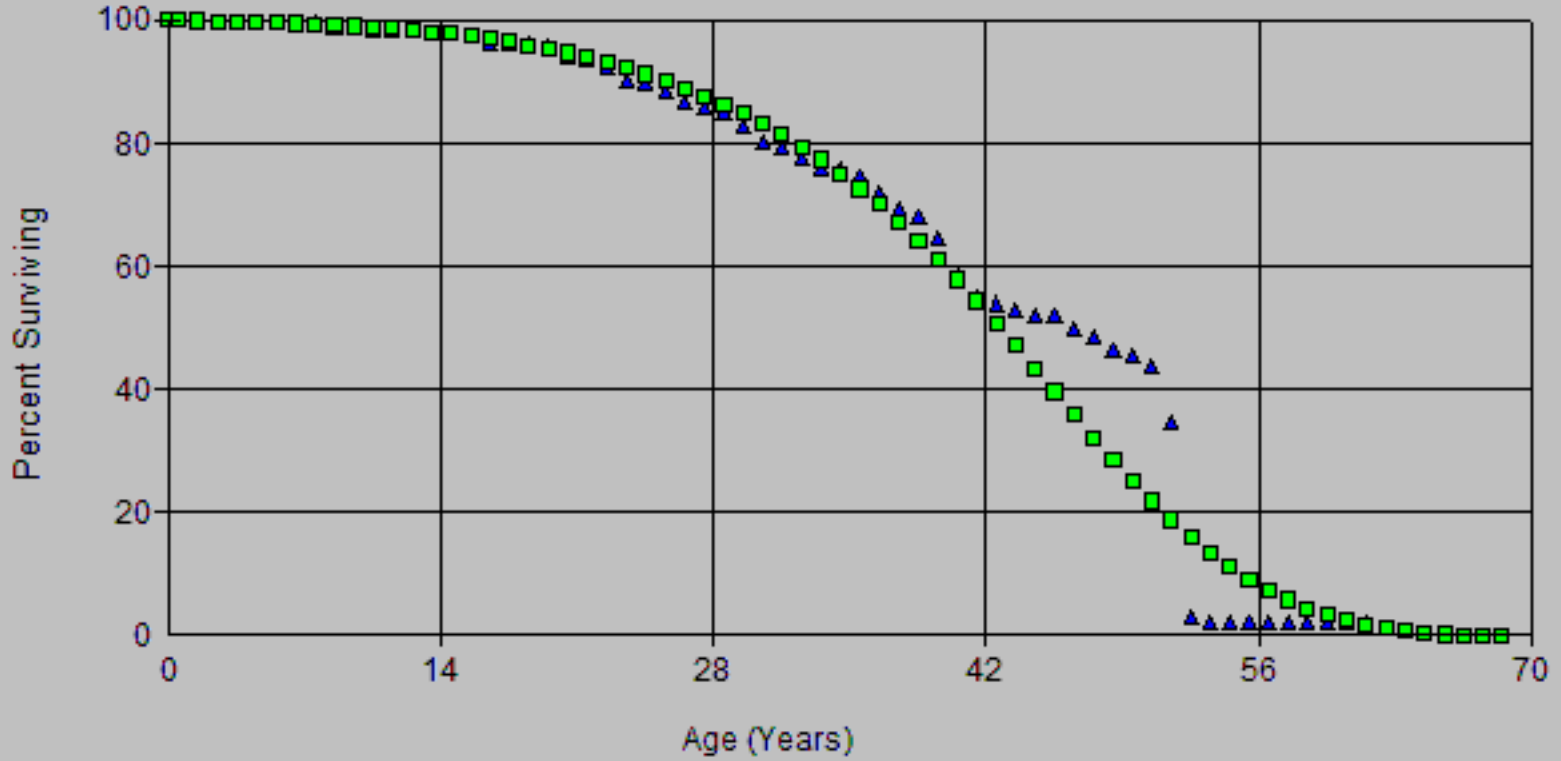
Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 42.00



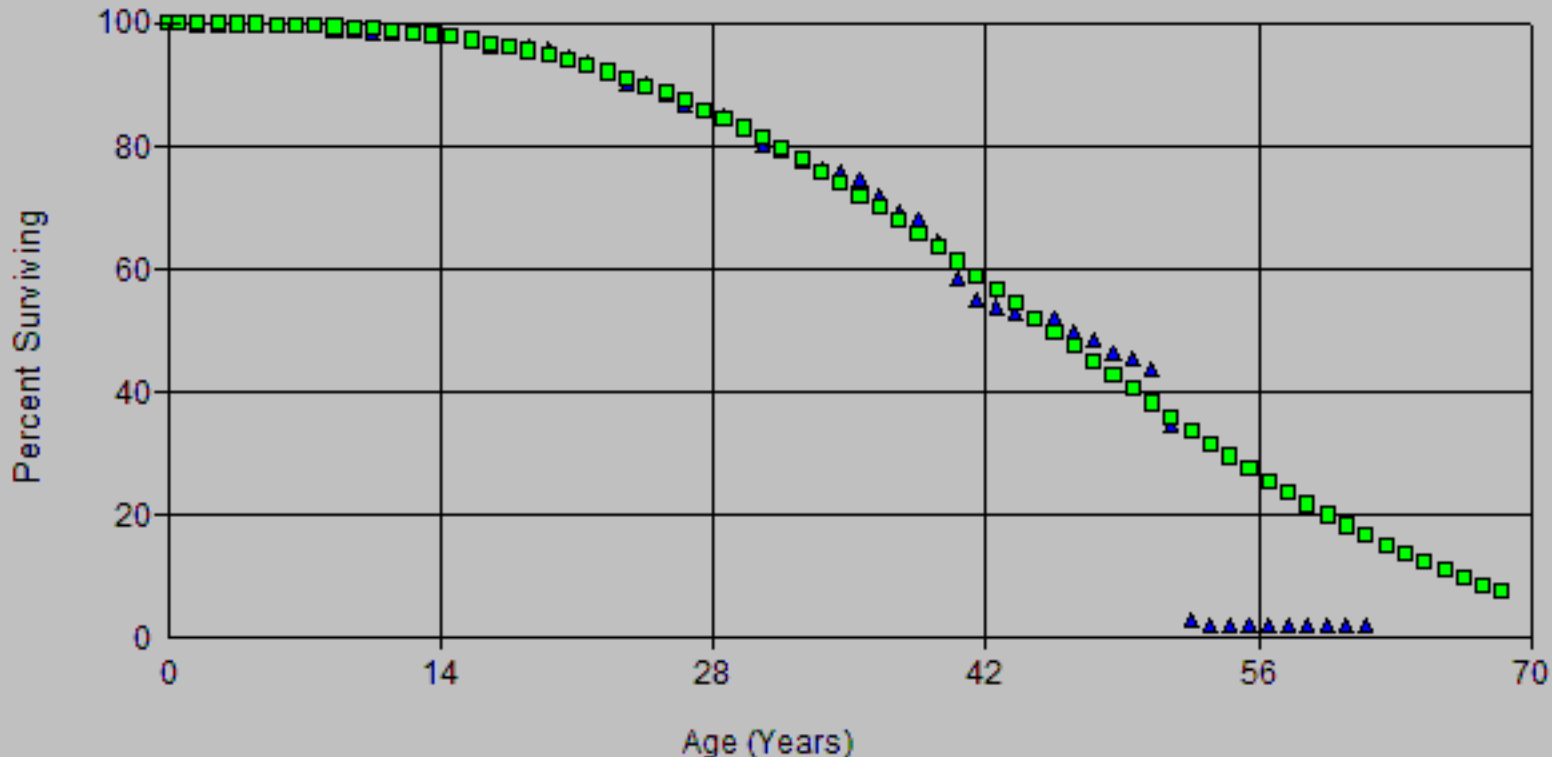
Account: 3566 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R3 41.00



Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1.5 45.00

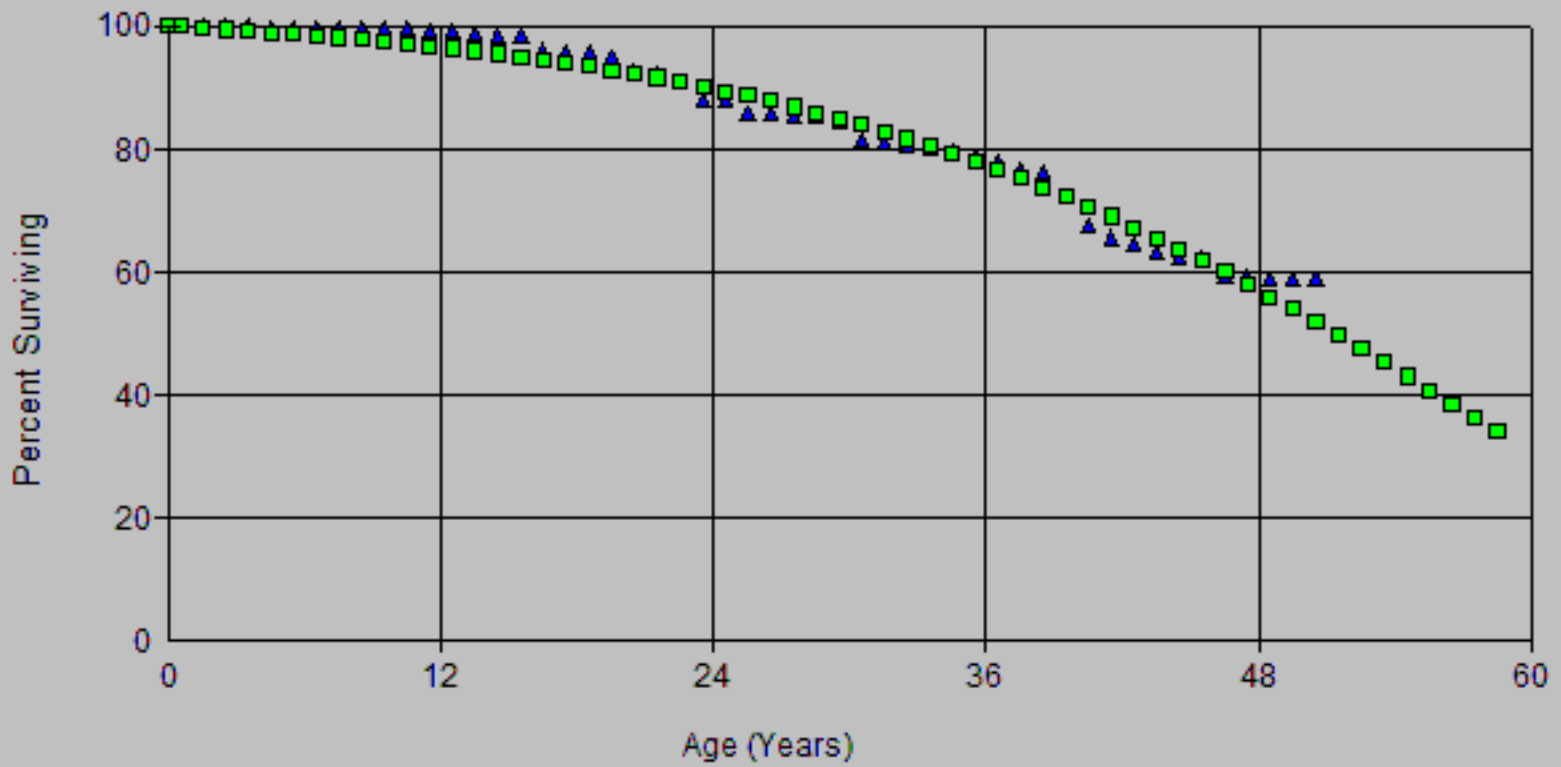


SoCalGas
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Depreciation Workpapers

Account: 356 Purification Eqt

Scenario: So Cal Gas Actuarial @ 2020

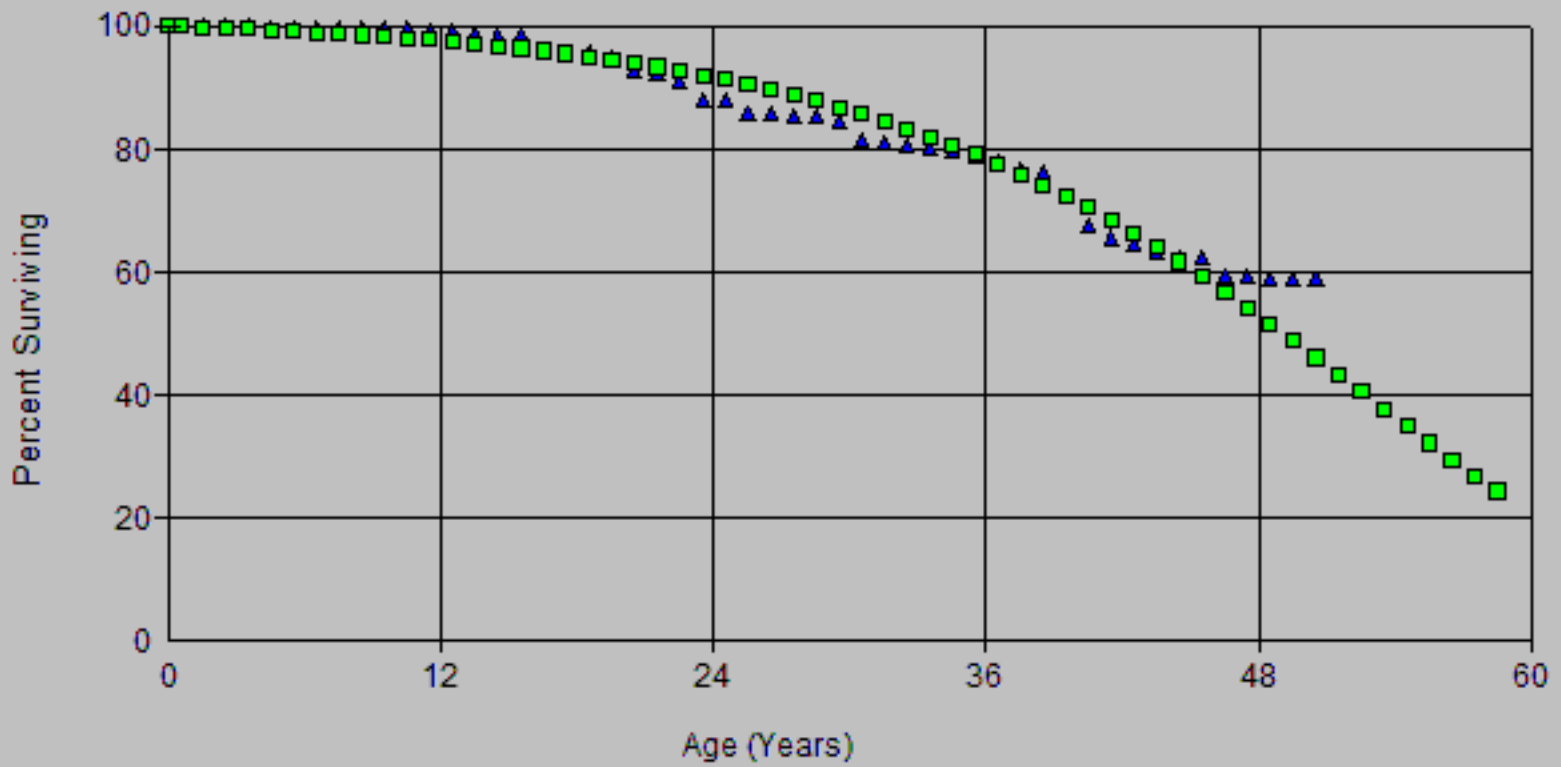
▲ Actual Data ■ R2 49.00



SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 47.00

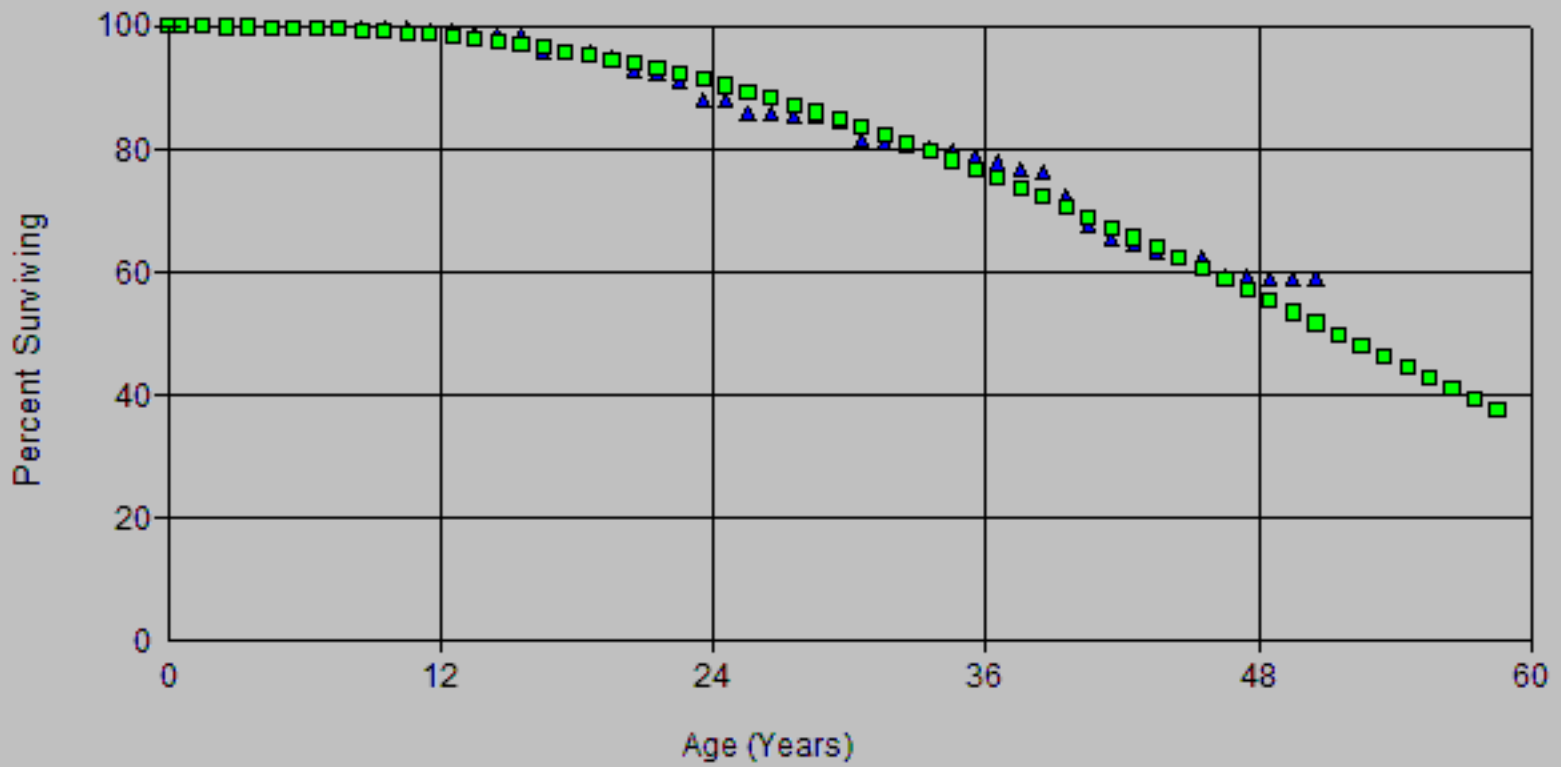


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 3568 Purification Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1 51.00

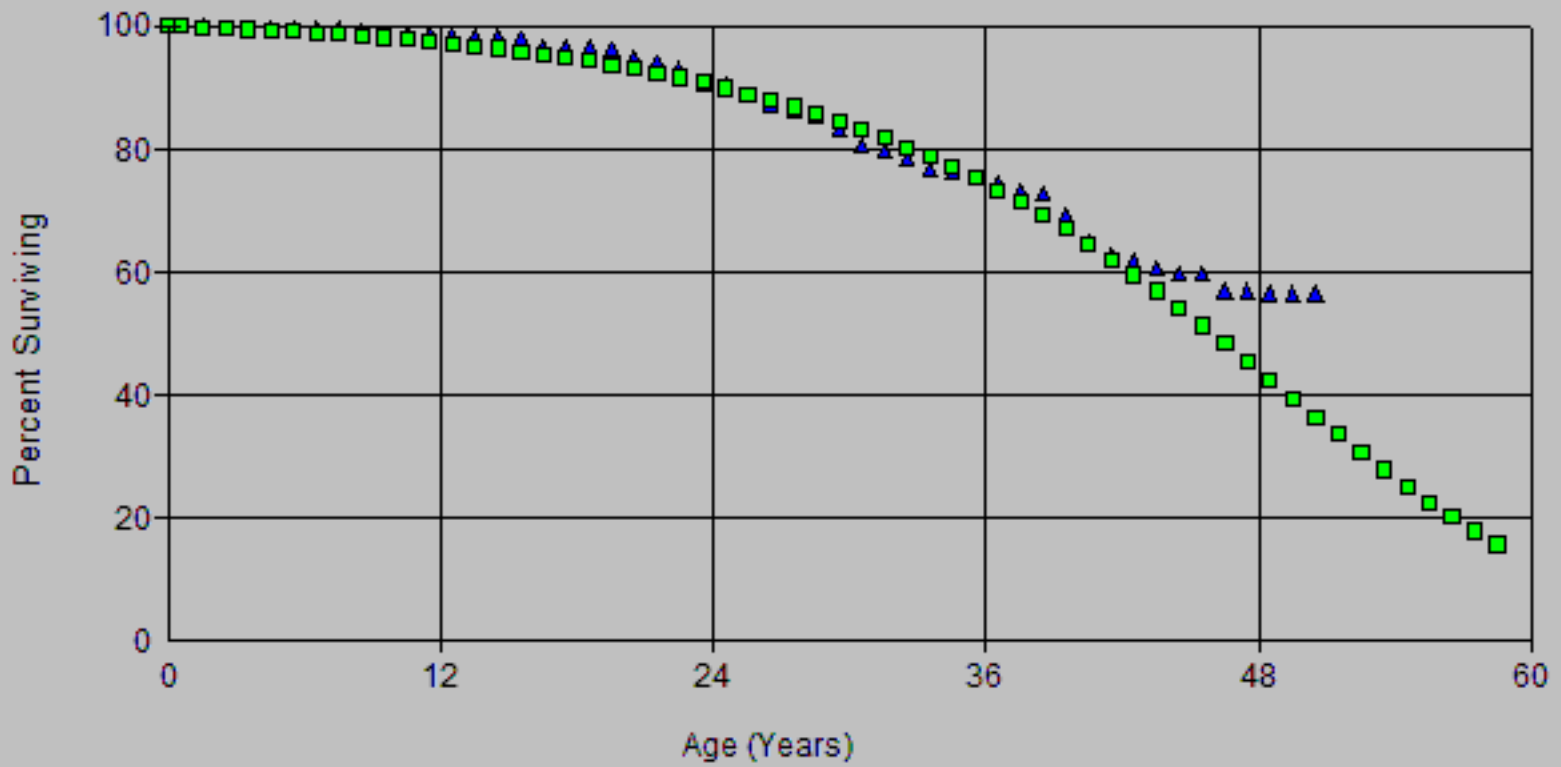


SoCalGas
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Deprecation Workpapers

Account: 356X Purification Eqt

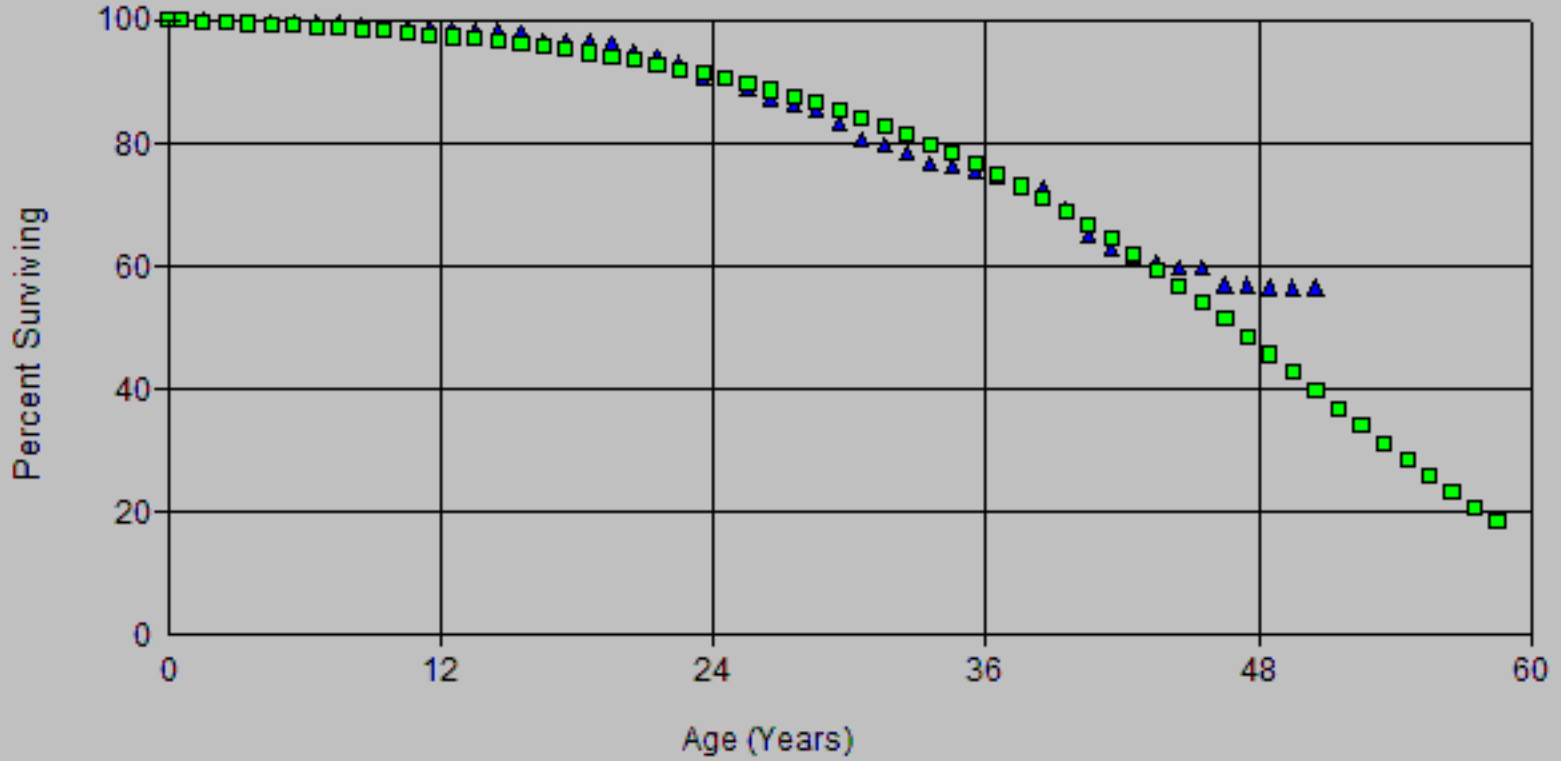
Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 44.00



Account: 356X Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

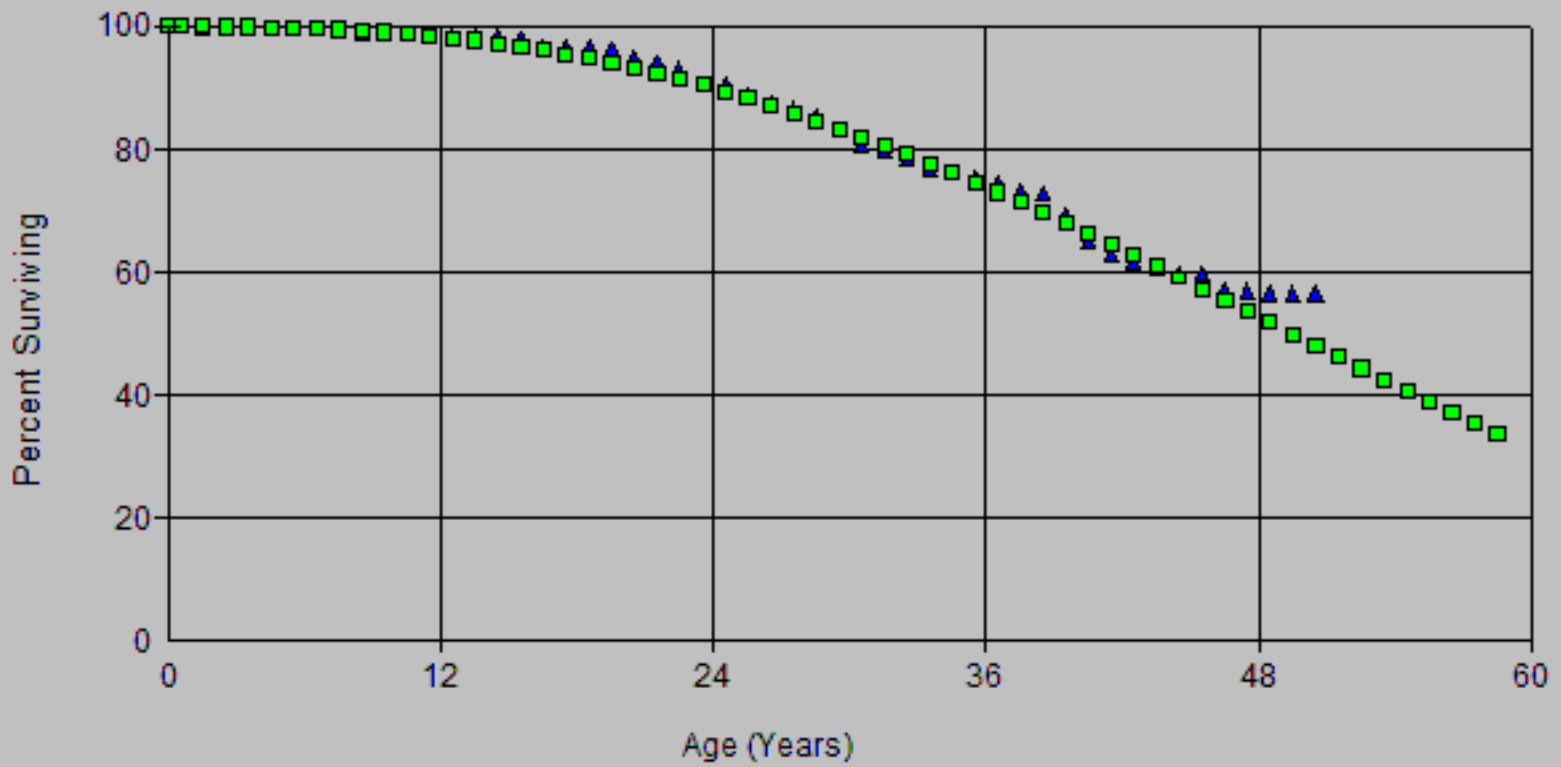
▲ Actual Data ■ R2.5 45.00



SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1 49.00

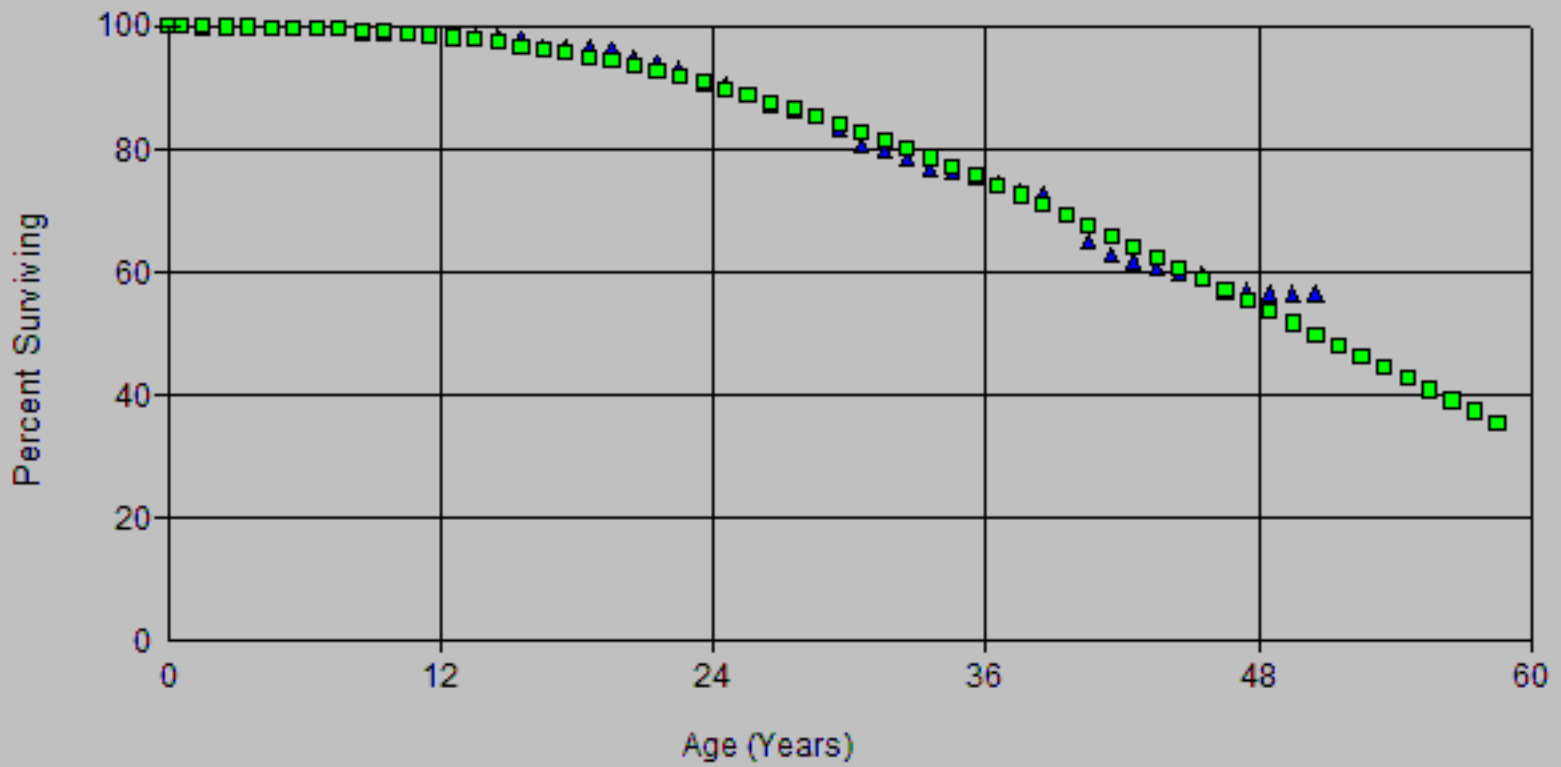


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Account: 3568 Purification Eqt

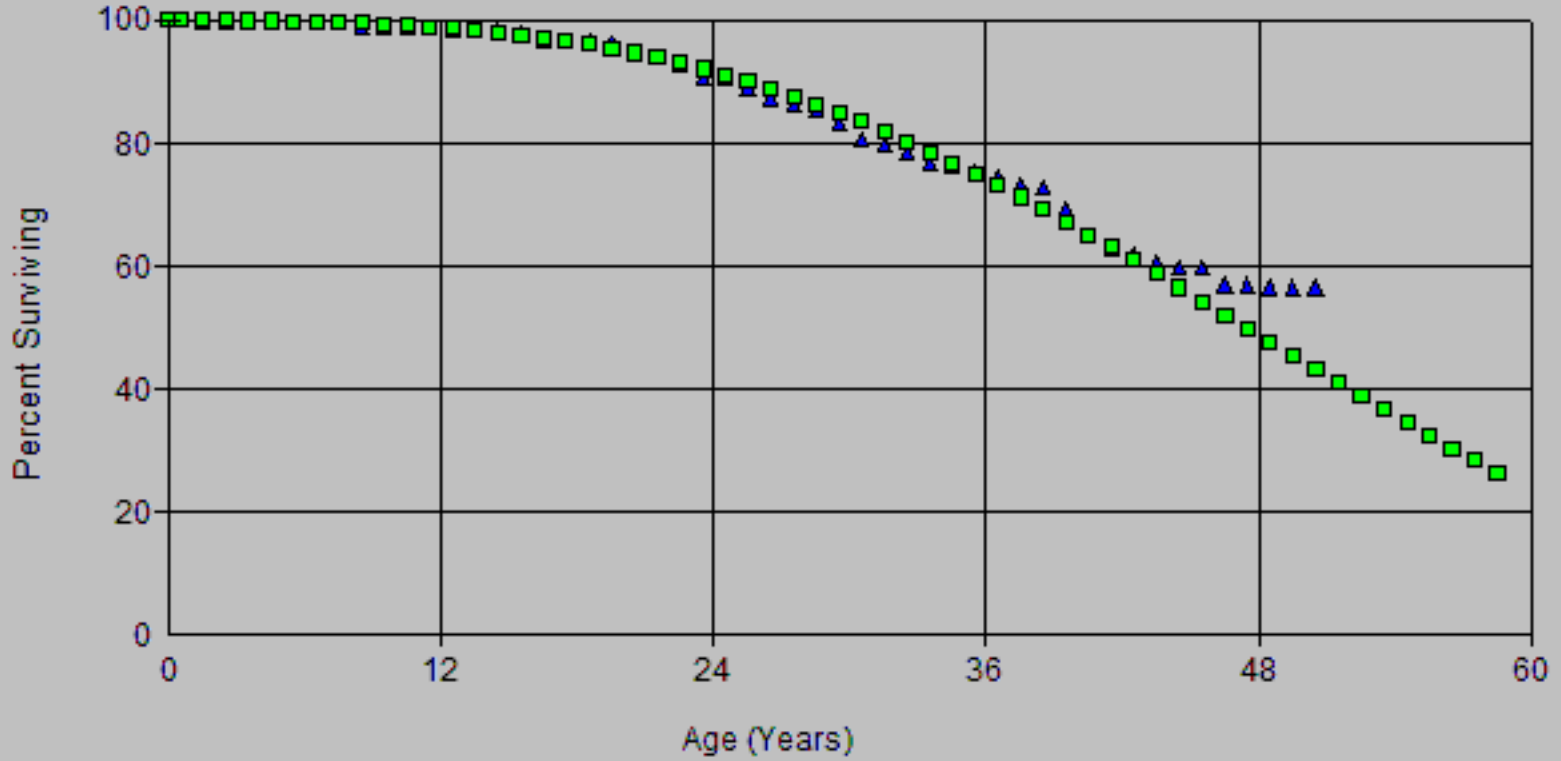
Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1 50.00



Account: 356X Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

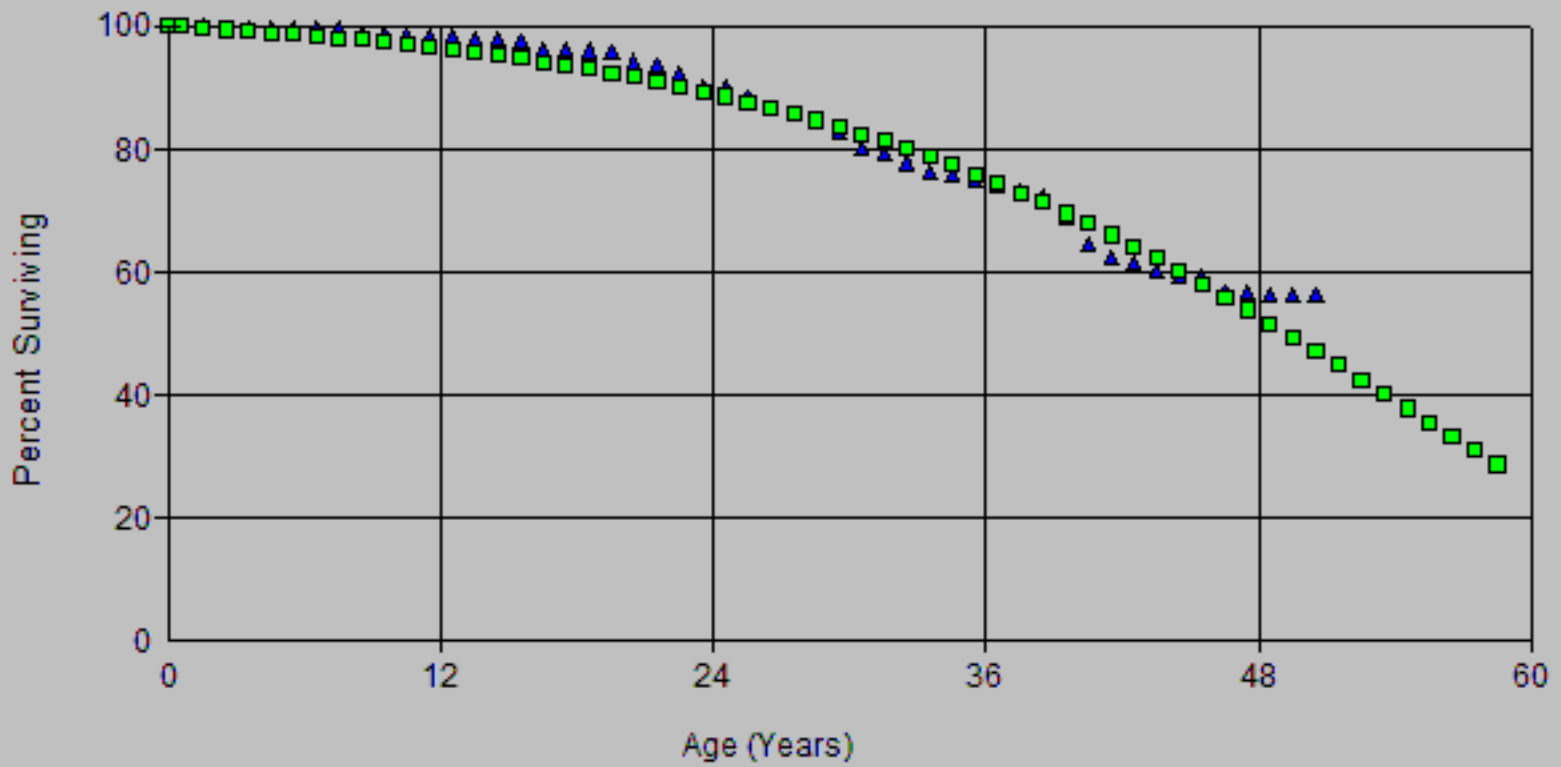
▲ Actual Data ■ S1.5 47.00



SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 3568 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

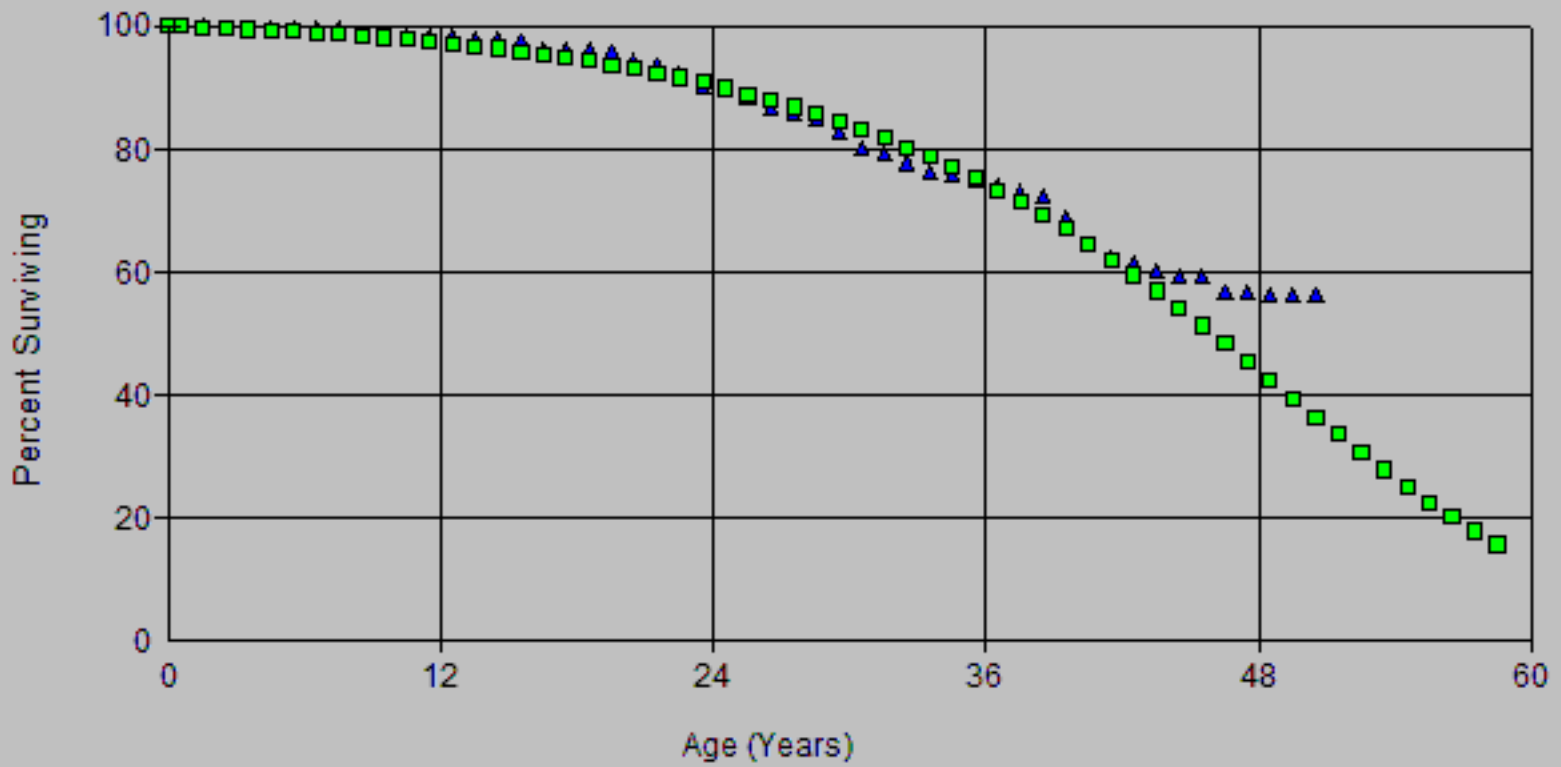
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SoCalGas
 2024 GRC - APP
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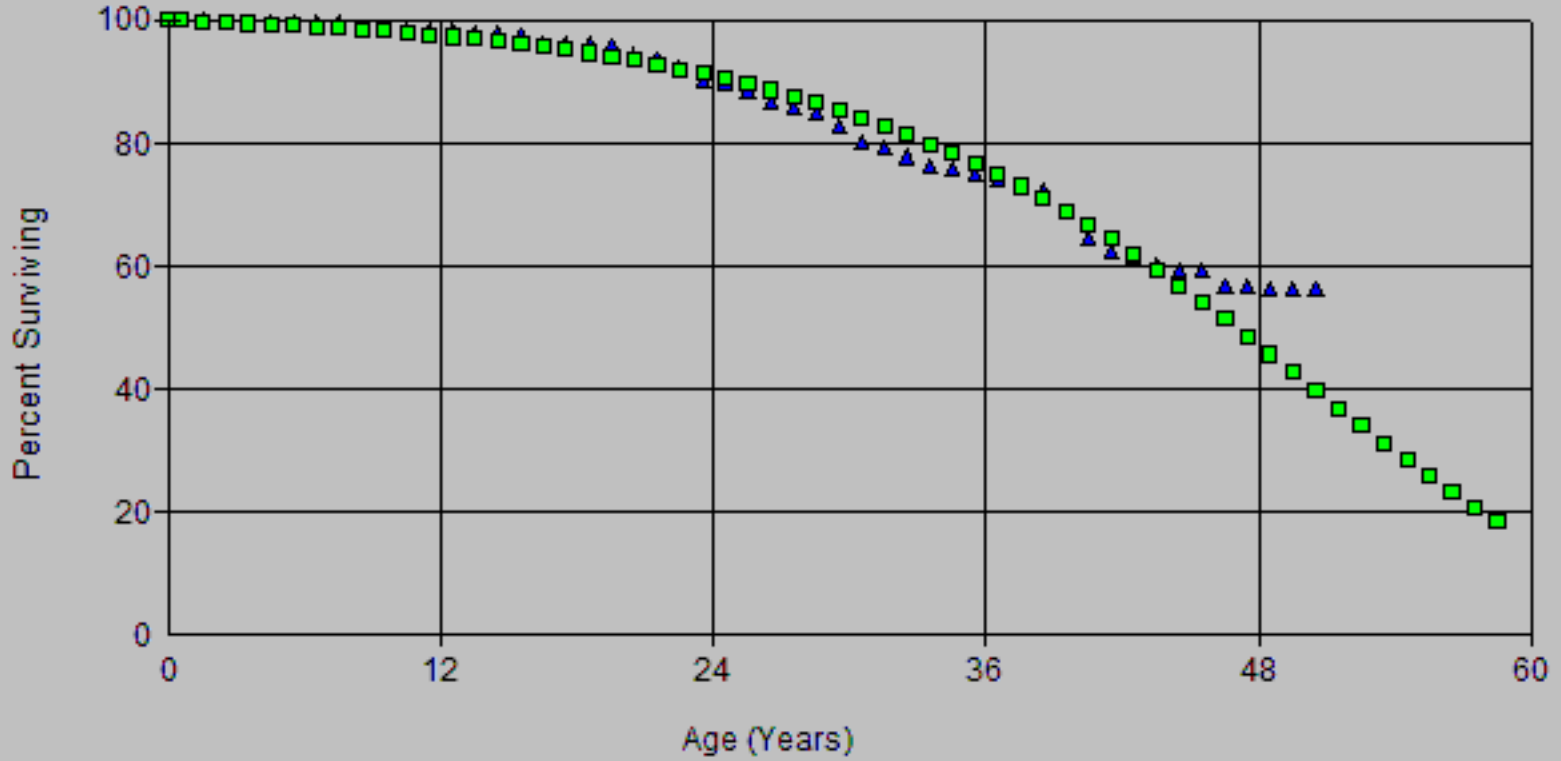
Account: 356X Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 44.00



Account: 356X Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

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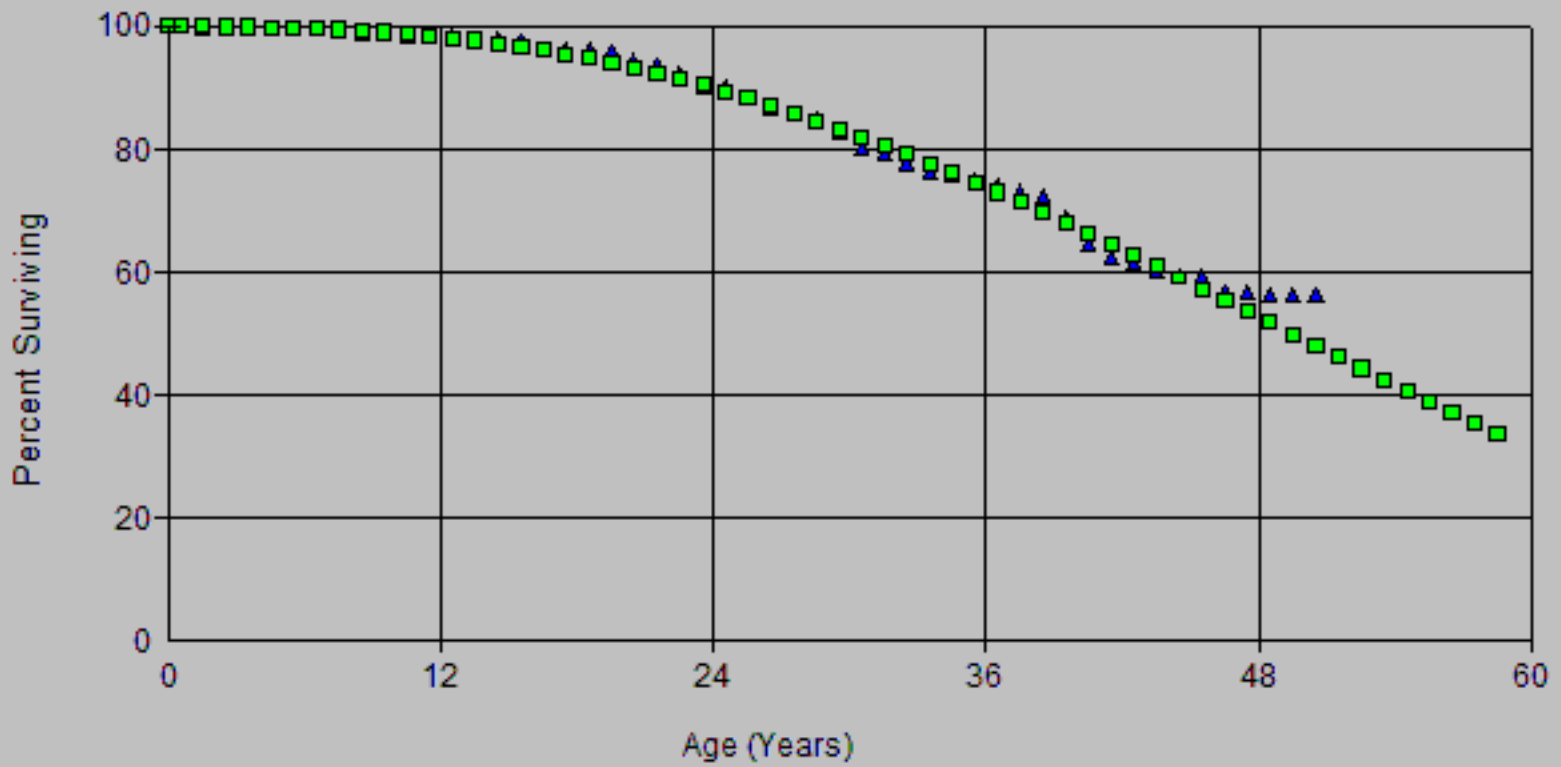


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 2024 GRC - APP
 Deprecation Workpapers

Account: 356X Purification Eqt

Scenario: So Cal Gas Actuarial @ 2020

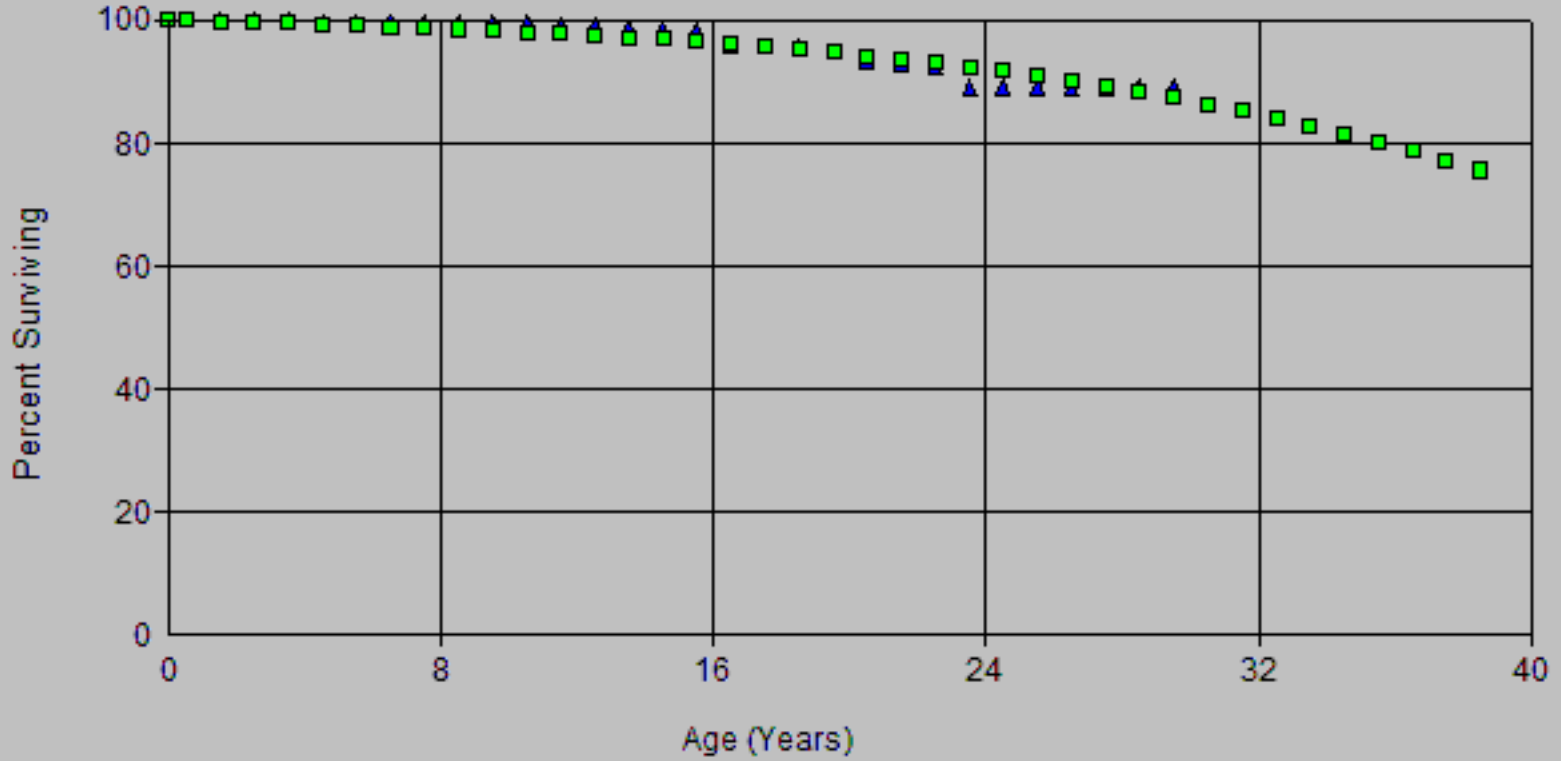
▲ Actual Data ■ S1 49.00



Account: 356X Purification Eqt

Scenario: So Cal Gas Actuarial @ 2020

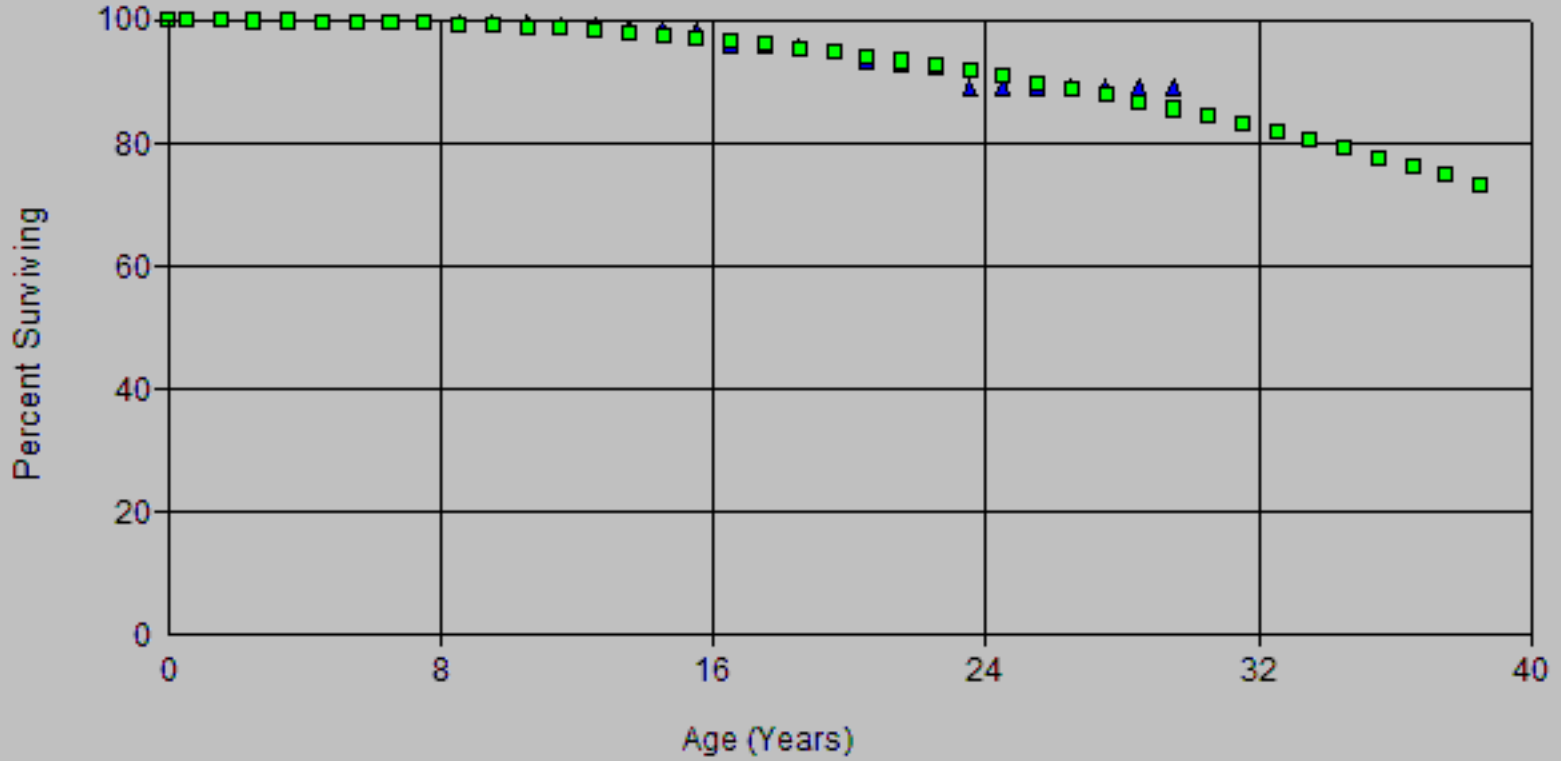
▲ Actual Data ■ R2.5 48.00



Account: 356 Purification Eqt

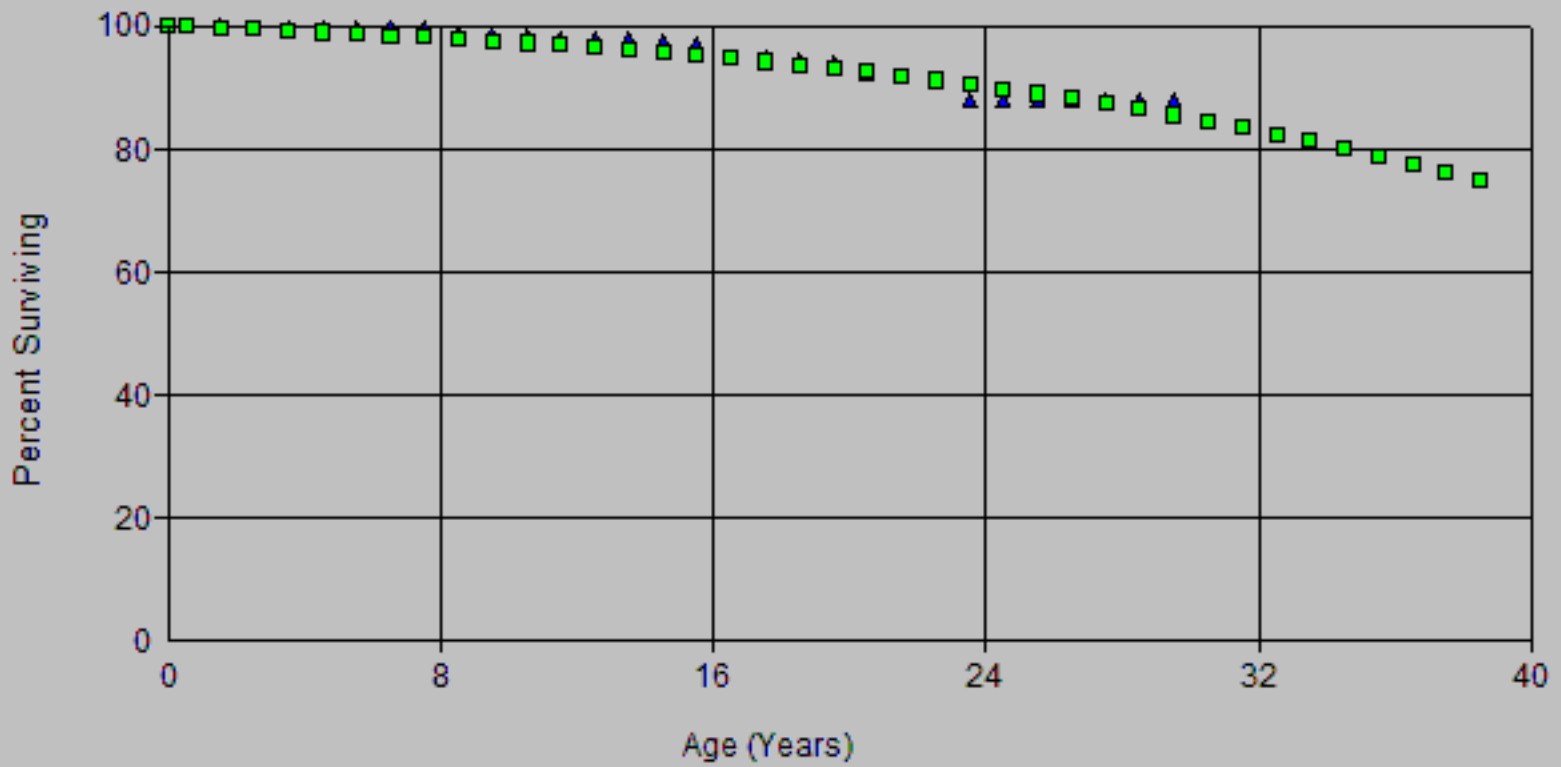
Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1 52.00



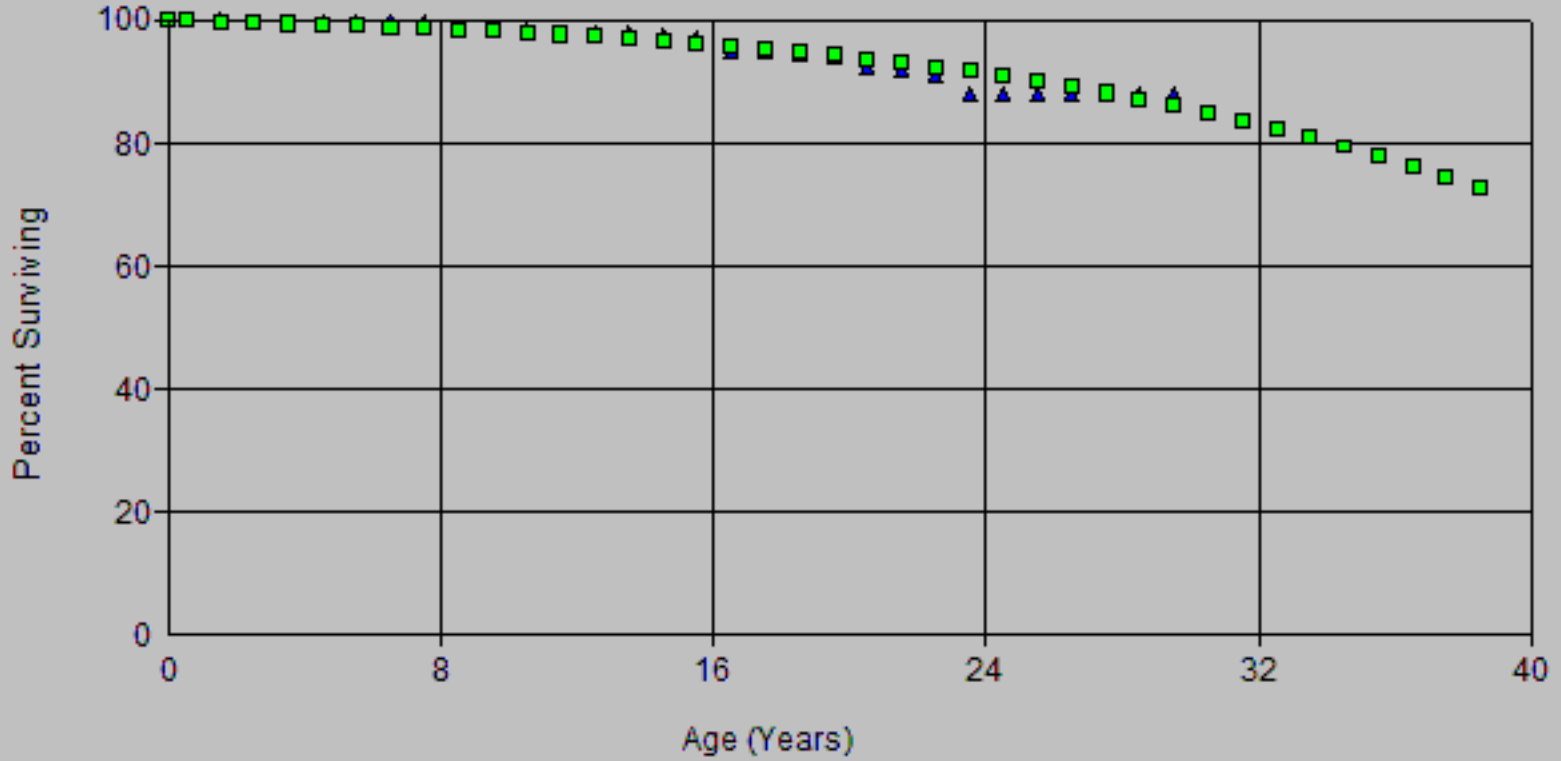
Account: 356X Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2 50.00



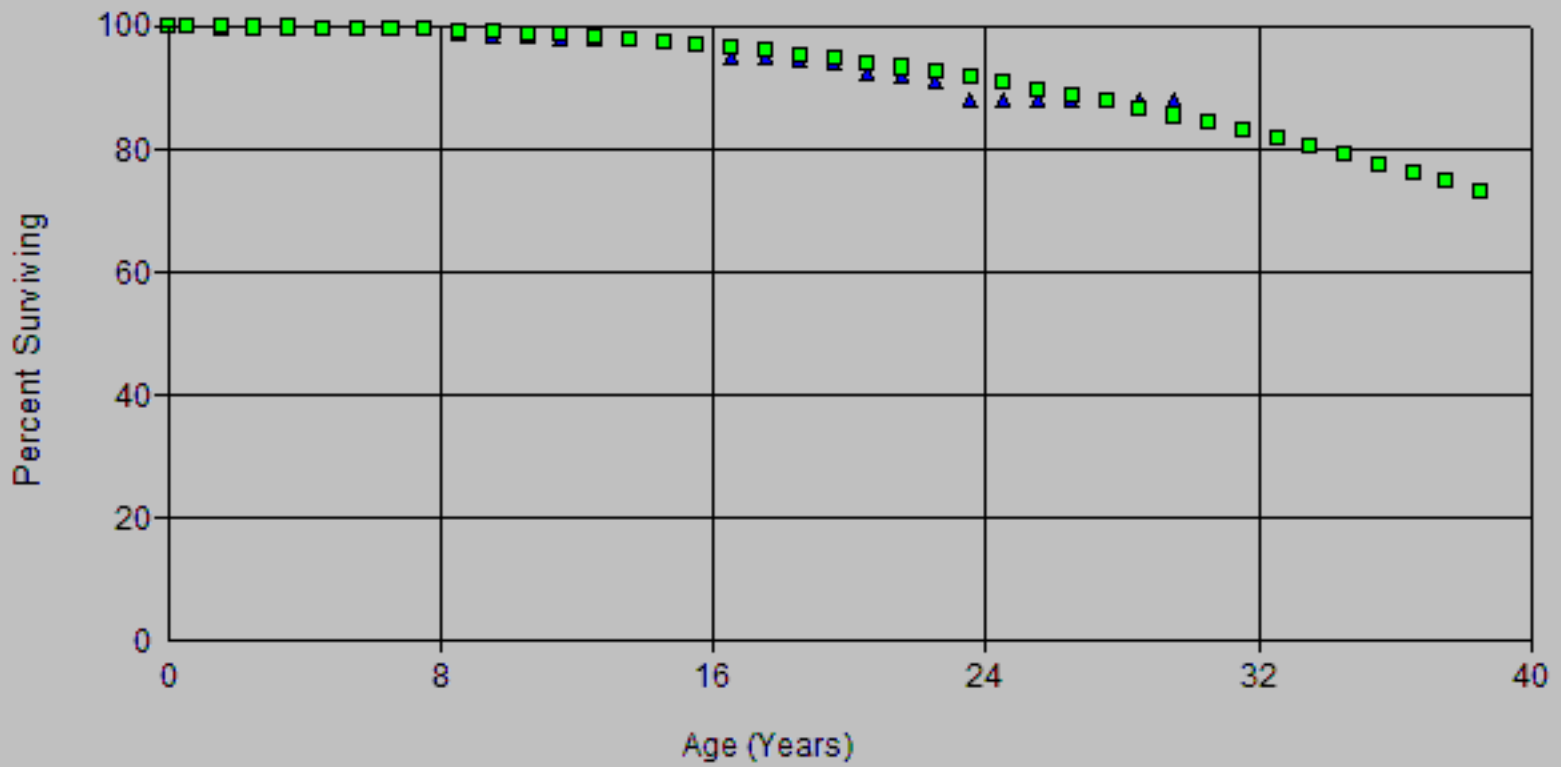
Account: 356 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 46.00



Account: 356 Purification Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1 52.00



Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eqt

Placement Band: 1916 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	96,017,605.35	0.00	0.00000	1.00000	100.00
0.5	96,054,899.74	175.89	0.00000	1.00000	100.00
1.5	93,688,943.41	36,204.64	0.00039	0.99961	100.00
2.5	95,752,843.88	0.00	0.00000	1.00000	99.96
3.5	98,692,349.12	79,277.57	0.00080	0.99920	99.96
4.5	97,918,023.25	4,588.34	0.00005	0.99995	99.88
5.5	95,268,891.60	42,109.63	0.00044	0.99956	99.88
6.5	82,539,628.92	59,477.12	0.00072	0.99928	99.83
7.5	77,707,657.64	18,228.28	0.00023	0.99977	99.76
8.5	69,352,685.63	13,670.91	0.00020	0.99980	99.74
9.5	65,078,674.24	26,925.24	0.00041	0.99959	99.72
10.5	45,648,116.67	142,070.86	0.00311	0.99689	99.68
11.5	42,606,492.04	32,603.40	0.00077	0.99923	99.37
12.5	41,068,849.00	113,811.49	0.00277	0.99723	99.29
13.5	42,945,123.05	139,300.73	0.00324	0.99676	99.01
14.5	42,824,201.27	158,445.67	0.00370	0.99630	98.69
15.5	41,010,952.78	912,722.96	0.02226	0.97774	98.33
16.5	37,599,230.57	85,773.79	0.00228	0.99772	96.14
17.5	33,997,139.77	69,662.25	0.00205	0.99795	95.92
18.5	29,856,327.84	236,603.07	0.00792	0.99208	95.72
19.5	25,573,104.10	535,294.96	0.02093	0.97907	94.97
20.5	31,430,536.61	169,719.24	0.00540	0.99460	92.98
21.5	30,458,173.98	400,263.62	0.01314	0.98686	92.48
22.5	30,144,972.64	1,016,915.48	0.03373	0.96627	91.26
23.5	28,476,353.16	14,754.37	0.00052	0.99948	88.18
24.5	24,605,304.76	631,752.92	0.02568	0.97432	88.14
25.5	23,552,185.28	8,134.34	0.00035	0.99965	85.87
26.5	20,711,722.08	93,815.27	0.00453	0.99547	85.84
27.5	19,360,816.94	10,958.32	0.00057	0.99943	85.45
28.5	15,825,775.65	187,730.73	0.01186	0.98814	85.41
29.5	25,884,736.70	840,015.15	0.03245	0.96755	84.39
30.5	25,149,188.01	171,332.38	0.00681	0.99319	81.65
31.5	25,259,570.97	75,787.65	0.00300	0.99700	81.10
32.5	26,020,723.38	232,049.42	0.00892	0.99108	80.85
33.5	26,630,628.57	106,822.23	0.00401	0.99599	80.13
34.5	26,501,175.29	319,540.96	0.01206	0.98794	79.81
35.5	17,802,144.29	220,558.16	0.01239	0.98761	78.85
36.5	17,457,613.24	235,472.19	0.01349	0.98651	77.87
37.5	17,145,056.77	146,992.56	0.00857	0.99143	76.82
38.5	16,867,295.53	798,548.32	0.04734	0.95266	76.16
39.5	16,275,896.76	1,063,138.17	0.06532	0.93468	72.56
40.5	12,370,927.36	382,311.01	0.03090	0.96910	67.82
41.5	11,831,171.71	217,740.88	0.01840	0.98160	65.72
42.5	11,643,080.55	225,062.26	0.01933	0.98067	64.51
43.5	11,180,900.24	170,272.15	0.01523	0.98477	63.27
44.5	1,994,380.44	359.95	0.00018	0.99982	62.30
45.5	1,910,805.45	82,340.43	0.04309	0.95691	62.29
46.5	1,558,236.02	54,185.34	0.03477	0.96523	59.61
47.5	398,758.84	26,600.82	0.06671	0.93329	57.54
48.5	57,016.68	4,817.37	0.08449	0.91551	53.70
49.5	65,668.28	9,115.29	0.13881	0.86119	49.16
50.5	210,238.31	44,374.98	0.21107	0.78893	42.34
51.5	169,760.18	154,616.71	0.91079	0.08921	33.40
52.5	15,143.47	2,896.85	0.25723	0.74267	2.98

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eq

Placement Band: 1916 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	11,246.62	0.00	0.00000	1.00000	2.21
54.5	11,246.62	0.00	0.00000	1.00000	2.21
55.5	11,246.62	0.00	0.00000	1.00000	2.21
56.5	11,246.62	0.00	0.00000	1.00000	2.21
57.5	11,246.62	0.00	0.00000	1.00000	2.21
58.5	11,246.62	0.00	0.00000	1.00000	2.21
59.5	11,246.62	0.00	0.00000	1.00000	2.21
60.5	2,250.00	0.00	0.00000	1.00000	2.21
61.5	0.00	0.00	0.00000	1.00000	2.21

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eqt

Placement Band: 1916 - 2020

Observation Band: 1952 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	183,810,428.15	0.00	0.00000	1.00000	100.00
0.5	182,108,868.76	53,371.41	0.00029	0.99971	100.00
1.5	176,658,119.90	127,142.84	0.00072	0.99928	99.97
2.5	173,766,759.93	0.00	0.00000	1.00000	99.90
3.5	171,967,568.96	79,277.57	0.00046	0.99954	99.90
4.5	168,501,918.64	20,168.57	0.00012	0.99988	99.85
5.5	162,254,853.65	42,113.03	0.00026	0.99974	99.84
6.5	147,775,548.90	70,268.73	0.00048	0.99952	99.82
7.5	142,933,155.71	846,877.96	0.00592	0.99408	99.77
8.5	132,046,426.14	189,237.50	0.00143	0.99857	99.18
9.5	123,216,728.13	119,359.16	0.00097	0.99903	99.03
10.5	99,557,616.63	173,755.07	0.00175	0.99825	98.94
11.5	93,396,834.49	32,813.92	0.00035	0.99965	98.77
12.5	90,264,878.67	134,912.15	0.00149	0.99851	98.73
13.5	86,198,281.99	139,846.97	0.00162	0.99838	98.58
14.5	83,901,679.45	206,493.78	0.00246	0.99754	98.42
15.5	81,928,463.75	961,521.55	0.01174	0.98826	98.18
16.5	78,453,539.70	100,545.93	0.00128	0.99872	97.03
17.5	73,651,464.31	152,251.28	0.00207	0.99793	96.90
18.5	69,002,871.43	268,146.80	0.00389	0.99611	96.70
19.5	64,453,561.75	833,518.06	0.01293	0.98707	96.33
20.5	60,585,753.89	371,350.51	0.00613	0.99387	95.08
21.5	59,305,483.14	707,546.76	0.01193	0.98807	94.50
22.5	58,598,690.85	1,394,761.05	0.02380	0.97620	93.37
23.5	55,795,230.38	177,017.04	0.00317	0.99683	91.15
24.5	51,718,134.07	824,648.60	0.01595	0.98405	90.86
25.5	47,651,532.65	855,495.72	0.01795	0.98205	89.41
26.5	43,798,920.00	567,767.27	0.01296	0.98704	87.81
27.5	41,864,447.66	630,167.87	0.01505	0.98495	86.67
28.5	36,919,763.40	882,114.99	0.02389	0.97611	85.36
29.5	34,806,064.57	1,058,356.53	0.03041	0.96959	83.33
30.5	33,635,777.17	707,935.89	0.02105	0.97895	80.79
31.5	32,913,299.62	1,031,366.39	0.03134	0.96866	79.09
32.5	30,838,468.71	664,158.94	0.02154	0.97846	76.61
33.5	30,082,818.61	283,866.79	0.00944	0.99056	74.96
34.5	29,738,636.31	489,569.75	0.01646	0.98354	74.25
35.5	20,856,489.66	721,249.95	0.03458	0.96542	73.03
36.5	19,993,524.10	670,645.98	0.03354	0.96646	70.51
37.5	19,245,793.84	396,053.37	0.02058	0.97942	68.14
38.5	18,718,630.85	985,416.13	0.05264	0.94736	66.74
39.5	17,688,449.29	1,672,029.94	0.09453	0.90547	63.23
40.5	13,165,910.19	727,899.89	0.05529	0.94471	57.25
41.5	12,262,152.30	283,215.07	0.02310	0.97690	54.08
42.5	11,971,690.63	226,784.78	0.01894	0.98106	52.84
43.5	11,507,427.85	170,310.31	0.01480	0.98520	51.83
44.5	2,308,444.08	8,387.99	0.00363	0.99637	51.07
45.5	2,153,659.09	82,341.39	0.03823	0.96177	50.88
46.5	1,775,060.70	54,185.63	0.03053	0.96947	48.94
47.5	610,765.86	26,603.14	0.04356	0.95644	47.44
48.5	259,906.09	4,818.03	0.01854	0.98146	45.38
49.5	224,182.05	9,115.50	0.04066	0.95934	44.54
50.5	214,135.16	44,374.98	0.20723	0.79277	42.72
51.5	169,760.18	154,616.71	0.91079	0.08921	33.87
52.5	15,143.47	2,896.85	0.25723	0.74267	3.02

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eq

Placement Band: 1916 - 2020

Observation Band: 1952 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	11,246.62	0.00	0.00000	1.00000	2.24
54.5	11,246.62	0.00	0.00000	1.00000	2.24
55.5	11,246.62	0.00	0.00000	1.00000	2.24
56.5	11,246.62	0.00	0.00000	1.00000	2.24
57.5	11,246.62	0.00	0.00000	1.00000	2.24
58.5	11,246.62	0.00	0.00000	1.00000	2.24
59.5	11,246.62	0.00	0.00000	1.00000	2.24
60.5	2,250.00	0.00	0.00000	1.00000	2.24
61.5	0.00	0.00	0.00000	1.00000	2.24

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eqt

Placement Band: 1916 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	179,254,686.63	0.00	0.00000	1.00000	100.00
0.5	177,813,799.29	53,371.41	0.00030	0.99970	100.00
1.5	172,498,503.68	127,142.84	0.00074	0.99926	99.97
2.5	169,649,549.00	0.00	0.00000	1.00000	99.90
3.5	168,017,628.71	79,277.57	0.00047	0.99953	99.90
4.5	165,627,990.37	20,168.57	0.00012	0.99988	99.85
5.5	162,160,175.76	42,113.03	0.00026	0.99974	99.84
6.5	147,773,413.67	70,268.73	0.00048	0.99952	99.81
7.5	142,930,681.59	846,877.96	0.00593	0.99407	99.76
8.5	132,043,938.40	189,237.50	0.00143	0.99857	99.17
9.5	123,214,211.96	119,359.16	0.00097	0.99903	99.03
10.5	99,555,214.07	173,755.07	0.00175	0.99825	98.93
11.5	93,394,558.94	32,813.92	0.00035	0.99965	98.76
12.5	90,262,641.96	134,912.15	0.00149	0.99851	98.73
13.5	86,196,674.38	139,846.97	0.00162	0.99838	98.58
14.5	83,895,326.61	206,493.75	0.00246	0.99754	98.42
15.5	81,922,409.60	961,521.49	0.01174	0.98826	98.18
16.5	78,447,716.89	100,545.67	0.00128	0.99872	97.02
17.5	73,645,621.57	152,250.39	0.00207	0.99793	96.90
18.5	68,996,671.28	268,143.35	0.00389	0.99611	96.70
19.5	64,436,335.17	833,416.72	0.01293	0.98707	96.32
20.5	60,462,278.10	369,045.54	0.00610	0.99390	95.08
21.5	59,148,920.80	705,276.83	0.01192	0.98808	94.50
22.5	58,444,140.47	1,392,033.49	0.02382	0.97618	93.37
23.5	55,648,195.11	164,417.12	0.00295	0.99705	91.15
24.5	51,582,730.21	807,668.03	0.01566	0.98434	90.88
25.5	47,503,315.47	845,712.92	0.01780	0.98220	89.46
26.5	43,649,462.49	552,410.31	0.01266	0.98734	87.86
27.5	41,728,775.57	622,338.83	0.01491	0.98509	86.75
28.5	36,797,883.95	866,413.71	0.02355	0.97645	85.46
29.5	34,753,875.79	1,047,431.12	0.03014	0.96986	83.45
30.5	33,609,363.90	704,517.62	0.02096	0.97904	80.93
31.5	32,890,567.24	1,025,724.46	0.03119	0.96881	79.23
32.5	30,821,378.26	661,668.64	0.02147	0.97853	76.76
33.5	30,069,043.66	280,771.38	0.00934	0.99066	75.11
34.5	29,734,303.63	488,271.47	0.01642	0.98358	74.41
35.5	20,855,401.36	721,054.32	0.03457	0.96543	73.19
36.5	19,992,966.79	670,427.92	0.03353	0.96647	70.66
37.5	19,245,727.57	396,024.67	0.02058	0.97942	68.29
38.5	18,718,593.28	985,412.44	0.05264	0.94736	66.89
39.5	17,688,415.41	1,672,013.07	0.09453	0.90547	63.37
40.5	13,165,893.18	727,898.74	0.05529	0.94471	57.38
41.5	12,262,136.44	283,207.89	0.02310	0.97690	54.20
42.5	11,971,690.63	226,784.78	0.01894	0.98106	52.95
43.5	11,507,427.85	170,310.31	0.01480	0.98520	51.95
44.5	2,308,444.08	8,387.99	0.00363	0.99637	51.18
45.5	2,153,659.09	82,341.39	0.03823	0.96177	50.99
46.5	1,775,060.70	54,185.63	0.03053	0.96947	49.04
47.5	610,765.86	26,603.14	0.04356	0.95644	47.55
48.5	259,906.09	4,818.03	0.01854	0.98146	45.48
49.5	224,182.05	9,115.50	0.04066	0.95934	44.63
50.5	214,135.16	44,374.98	0.20723	0.79277	42.82
51.5	169,760.18	154,616.71	0.91079	0.08921	33.95
52.5	15,143.47	3,896.85	0.25723	0.74267	3.03

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eqt

Placement Band: 1916 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	11,246.62	0.00	0.00000	1.00000	2.25
54.5	11,246.62	0.00	0.00000	1.00000	2.25
55.5	11,246.62	0.00	0.00000	1.00000	2.25
56.5	11,246.62	0.00	0.00000	1.00000	2.25
57.5	11,246.62	0.00	0.00000	1.00000	2.25
58.5	11,246.62	0.00	0.00000	1.00000	2.25
59.5	11,246.62	0.00	0.00000	1.00000	2.25
60.5	2,250.00	0.00	0.00000	1.00000	2.25
61.5	0.00	0.00	0.00000	1.00000	2.25

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eqt

Placement Band: 1916 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	142,069,884.17	0.00	0.00000	1.00000	100.00
0.5	140,480,150.52	53,371.41	0.00038	0.99962	100.00
1.5	135,149,743.74	127,142.84	0.00094	0.99906	99.96
2.5	133,994,834.60	0.00	0.00000	1.00000	99.87
3.5	132,473,029.79	79,277.57	0.00060	0.99940	99.87
4.5	129,149,194.80	20,168.57	0.00016	0.99984	99.81
5.5	132,744,999.48	42,113.03	0.00032	0.99968	99.79
6.5	118,407,524.52	70,268.73	0.00059	0.99941	99.76
7.5	113,801,222.47	846,877.96	0.00744	0.99256	99.70
8.5	104,144,433.12	189,237.50	0.00182	0.99818	98.96
9.5	95,400,023.40	119,359.11	0.00125	0.99875	98.78
10.5	74,615,304.74	173,754.01	0.00233	0.99767	98.66
11.5	68,632,290.73	32,808.63	0.00048	0.99952	98.43
12.5	65,951,907.20	134,903.29	0.00205	0.99795	98.38
13.5	62,960,705.13	139,738.93	0.00222	0.99778	98.18
14.5	73,503,495.23	204,768.67	0.00279	0.99721	97.96
15.5	72,296,007.68	920,031.25	0.01273	0.98727	97.69
16.5	69,173,575.82	96,259.76	0.00139	0.99861	96.44
17.5	66,984,557.63	151,509.32	0.00226	0.99774	96.31
18.5	63,798,718.22	267,017.79	0.00419	0.99581	96.09
19.5	59,281,548.20	831,898.18	0.01403	0.98597	95.69
20.5	55,324,108.20	364,273.60	0.00658	0.99342	94.35
21.5	54,069,660.39	687,955.46	0.01272	0.98728	93.72
22.5	53,381,704.93	1,306,793.69	0.02448	0.97552	92.53
23.5	50,666,683.51	129,100.60	0.00255	0.99745	90.27
24.5	47,015,888.37	799,162.03	0.01700	0.98300	90.04
25.5	42,959,278.19	801,190.13	0.01865	0.98135	88.51
26.5	39,184,326.32	358,459.59	0.00915	0.99085	86.86
27.5	37,536,310.89	433,830.73	0.01156	0.98844	86.06
28.5	32,786,642.39	813,541.29	0.02481	0.97519	85.07
29.5	30,778,767.60	948,122.33	0.03080	0.96920	82.96
30.5	29,950,511.09	407,467.11	0.01360	0.98640	80.40
31.5	29,647,634.98	562,219.91	0.01896	0.98104	79.31
32.5	28,069,799.95	617,731.32	0.02201	0.97799	77.80
33.5	27,427,675.05	140,904.50	0.00514	0.99486	76.09
34.5	27,646,076.56	454,032.59	0.01642	0.98358	75.70
35.5	20,754,599.79	698,934.03	0.03368	0.96632	74.46
36.5	19,972,295.07	657,770.85	0.03293	0.96707	71.95
37.5	19,237,439.94	393,404.59	0.02045	0.97955	69.58
38.5	18,712,925.73	985,190.46	0.05265	0.94735	68.16
39.5	17,682,969.84	1,669,172.76	0.09439	0.90561	64.57
40.5	13,163,287.92	726,171.79	0.05517	0.94483	58.47
41.5	12,261,258.13	282,580.33	0.02305	0.97695	55.25
42.5	11,971,431.20	226,575.66	0.01893	0.98107	53.98
43.5	11,507,377.54	170,273.28	0.01480	0.98520	52.95
44.5	2,308,430.80	8,379.15	0.00363	0.99637	52.17
45.5	2,153,654.65	82,340.43	0.03823	0.96177	51.98
46.5	1,775,057.22	54,185.34	0.03053	0.96947	49.99
47.5	610,762.67	26,600.82	0.04355	0.95645	48.47
48.5	259,905.22	4,817.37	0.01854	0.98146	46.36
49.5	224,181.84	9,115.29	0.04066	0.95934	45.50
50.5	214,135.16	44,374.98	0.20723	0.79277	43.65
51.5	169,760.18	154,616.71	0.91079	0.08921	34.60
52.5	15,143.47	3,896.85	0.25723	0.74267	3.09

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eqt

Placement Band: 1916 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	11,246.62	0.00	0.00000	1.00000	2.29
54.5	11,246.62	0.00	0.00000	1.00000	2.29
55.5	11,246.62	0.00	0.00000	1.00000	2.29
56.5	11,246.62	0.00	0.00000	1.00000	2.29
57.5	11,246.62	0.00	0.00000	1.00000	2.29
58.5	11,246.62	0.00	0.00000	1.00000	2.29
59.5	11,246.62	0.00	0.00000	1.00000	2.29
60.5	2,250.00	0.00	0.00000	1.00000	2.29
61.5	0.00	0.00	0.00000	1.00000	2.29

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eq't

Placement Band: 1961 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	96,017,605.35	0.00	0.00000	1.00000	100.00
0.5	96,054,899.74	175.89	0.00000	1.00000	100.00
1.5	93,688,943.41	36,204.64	0.00039	0.99961	100.00
2.5	95,752,843.88	0.00	0.00000	1.00000	99.96
3.5	98,692,349.12	79,277.57	0.00080	0.99920	99.96
4.5	97,918,023.25	4,588.34	0.00005	0.99995	99.88
5.5	95,268,891.60	42,109.63	0.00044	0.99956	99.88
6.5	82,539,628.92	59,477.12	0.00072	0.99928	99.83
7.5	77,707,657.64	18,228.28	0.00023	0.99977	99.76
8.5	69,352,685.63	13,670.91	0.00020	0.99980	99.74
9.5	65,078,674.24	26,925.24	0.00041	0.99959	99.72
10.5	45,648,116.67	142,070.86	0.00311	0.99689	99.68
11.5	42,606,492.04	32,603.40	0.00077	0.99923	99.37
12.5	41,068,849.00	113,811.49	0.00277	0.99723	99.29
13.5	42,945,123.05	139,300.73	0.00324	0.99676	99.01
14.5	42,824,201.27	158,445.67	0.00370	0.99630	98.69
15.5	41,010,952.78	912,722.96	0.02226	0.97774	98.33
16.5	37,599,230.57	85,773.79	0.00228	0.99772	96.14
17.5	33,997,139.77	69,662.25	0.00205	0.99795	95.92
18.5	29,856,327.84	236,603.07	0.00792	0.99208	95.72
19.5	25,573,104.10	535,294.96	0.02093	0.97907	94.97
20.5	31,430,536.61	169,719.24	0.00540	0.99460	92.98
21.5	30,458,173.98	400,263.62	0.01314	0.98686	92.48
22.5	30,144,972.64	1,016,915.48	0.03373	0.96627	91.26
23.5	28,476,353.16	14,754.37	0.00052	0.99948	88.18
24.5	24,605,304.76	631,752.92	0.02568	0.97432	88.14
25.5	23,552,185.28	8,134.34	0.00035	0.99965	85.87
26.5	20,711,722.08	93,815.27	0.00453	0.99547	85.84
27.5	19,360,816.94	10,958.32	0.00057	0.99943	85.45
28.5	15,825,775.65	187,730.73	0.01186	0.98814	85.41
29.5	25,884,736.70	840,015.15	0.03245	0.96755	84.39
30.5	25,149,188.01	171,332.38	0.00681	0.99319	81.65
31.5	25,259,570.97	75,787.65	0.00300	0.99700	81.10
32.5	26,020,723.38	232,049.42	0.00892	0.99108	80.85
33.5	26,630,628.57	106,822.23	0.00401	0.99599	80.13
34.5	26,501,175.29	319,540.96	0.01206	0.98794	79.81
35.5	17,802,144.29	220,558.16	0.01239	0.98761	78.85
36.5	17,457,613.24	235,472.19	0.01349	0.98651	77.87
37.5	17,145,056.77	146,992.56	0.00857	0.99143	76.82
38.5	16,867,295.53	798,548.32	0.04734	0.95266	76.16
39.5	16,275,896.76	1,063,138.17	0.06532	0.93468	72.56
40.5	12,370,927.36	382,311.01	0.03090	0.96910	67.82
41.5	11,831,171.71	217,740.88	0.01840	0.98160	65.72
42.5	11,643,080.55	225,062.26	0.01933	0.98067	64.51
43.5	11,180,900.24	170,272.15	0.01523	0.98477	63.27
44.5	1,994,380.44	359.95	0.00018	0.99982	62.30
45.5	1,847,623.49	82,340.43	0.04457	0.95543	62.29
46.5	1,469,026.06	0.00	0.00000	1.00000	59.52
47.5	358,916.85	2,822.82	0.00786	0.99214	59.52
48.5	31,837.40	0.00	0.00000	1.00000	59.05
49.5	931.39	0.00	0.00000	1.00000	59.05
50.5	0.00	0.00	0.00000	1.00000	59.05

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eqt

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	179,254,686.63	0.00	0.00000	1.00000	100.00
0.5	177,553,014.11	53,371.41	0.00030	0.99970	100.00
1.5	172,102,067.67	127,142.84	0.00074	0.99926	99.97
2.5	169,210,503.49	0.00	0.00000	1.00000	99.90
3.5	167,411,225.99	79,277.57	0.00047	0.99953	99.90
4.5	163,944,449.89	20,168.57	0.00012	0.99988	99.85
5.5	157,697,336.50	42,113.03	0.00027	0.99973	99.84
6.5	143,217,721.32	70,268.73	0.00049	0.99951	99.81
7.5	138,374,958.43	846,877.96	0.00612	0.99388	99.76
8.5	127,488,196.88	189,237.50	0.00148	0.99852	99.15
9.5	118,658,357.31	119,359.11	0.00101	0.99899	99.00
10.5	94,999,161.89	173,754.01	0.00183	0.99817	98.90
11.5	88,838,303.61	32,808.63	0.00037	0.99963	98.72
12.5	85,706,305.39	134,904.92	0.00157	0.99843	98.69
13.5	81,639,219.26	139,795.06	0.00171	0.99829	98.53
14.5	79,337,875.00	204,896.90	0.00258	0.99742	98.36
15.5	77,366,244.41	920,137.96	0.01189	0.98811	98.11
16.5	73,932,565.54	96,495.08	0.00131	0.99869	96.94
17.5	69,134,488.83	152,124.40	0.00220	0.99780	96.81
18.5	64,485,522.98	267,462.43	0.00415	0.99585	96.60
19.5	59,925,784.00	832,762.65	0.01390	0.98610	96.20
20.5	55,952,303.93	367,444.10	0.00657	0.99343	94.86
21.5	54,640,500.83	688,673.70	0.01260	0.98740	94.24
22.5	53,951,827.13	1,309,316.46	0.02427	0.97573	93.05
23.5	51,233,811.25	131,408.37	0.00256	0.99744	90.80
24.5	47,201,343.42	800,100.56	0.01695	0.98305	90.56
25.5	43,129,367.14	803,850.71	0.01864	0.98136	89.03
26.5	39,317,329.57	373,488.80	0.00950	0.99050	87.37
27.5	37,575,140.96	434,491.97	0.01156	0.98844	86.54
28.5	32,823,908.01	813,556.57	0.02479	0.97521	85.54
29.5	30,778,767.60	948,122.33	0.03080	0.96920	83.42
30.5	29,718,714.40	392,370.38	0.01320	0.98680	80.85
31.5	29,311,802.36	534,613.91	0.01824	0.98176	79.78
32.5	27,733,723.93	591,295.06	0.02132	0.97868	78.33
33.5	27,050,782.72	118,807.98	0.00439	0.99561	76.66
34.5	26,871,659.23	328,225.99	0.01221	0.98779	76.32
35.5	18,150,856.34	222,462.20	0.01226	0.98774	75.39
36.5	17,786,678.53	235,508.19	0.01324	0.98676	74.46
37.5	17,474,086.06	146,992.56	0.00841	0.99159	73.48
38.5	17,195,983.88	798,548.32	0.04644	0.95356	72.86
39.5	16,352,670.13	1,063,138.17	0.06501	0.93499	69.48
40.5	12,439,022.80	382,311.01	0.03073	0.96927	64.96
41.5	11,880,853.79	217,740.88	0.01833	0.98167	62.96
42.5	11,655,866.31	225,062.26	0.01931	0.98069	61.81
43.5	11,193,326.05	170,272.15	0.01521	0.98479	60.62
44.5	1,994,380.44	359.95	0.00018	0.99982	59.69
45.5	1,847,623.49	82,340.43	0.04457	0.95543	59.68
46.5	1,469,026.06	0.00	0.00000	1.00000	57.02
47.5	358,916.85	2,822.82	0.00786	0.99214	57.02
48.5	31,837.40	0.00	0.00000	1.00000	56.57
49.5	931.39	0.00	0.00000	1.00000	56.57
50.5	0.00	0.00	0.00000	1.00000	56.57

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eqt

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	142,069,884.17	0.00	0.00000	1.00000	100.00
0.5	140,480,150.52	53,371.41	0.00038	0.99962	100.00
1.5	135,149,743.74	127,142.84	0.00094	0.99906	99.96
2.5	133,994,834.60	0.00	0.00000	1.00000	99.87
3.5	132,473,029.79	79,277.57	0.00060	0.99940	99.87
4.5	129,149,194.80	20,168.57	0.00016	0.99984	99.81
5.5	132,744,999.48	42,113.03	0.00032	0.99968	99.79
6.5	118,407,524.52	70,268.73	0.00059	0.99941	99.76
7.5	113,801,222.47	846,877.96	0.00744	0.99256	99.70
8.5	104,144,433.12	189,237.50	0.00182	0.99818	98.96
9.5	95,400,023.40	119,359.11	0.00125	0.99875	98.78
10.5	74,615,304.74	173,754.01	0.00233	0.99767	98.66
11.5	68,632,290.73	32,808.63	0.00048	0.99952	98.43
12.5	65,951,907.20	134,903.29	0.00205	0.99795	98.38
13.5	62,960,705.13	139,738.93	0.00222	0.99778	98.18
14.5	73,503,495.23	204,768.67	0.00279	0.99721	97.96
15.5	72,296,007.68	920,031.25	0.01273	0.98727	97.69
16.5	69,173,575.82	96,259.76	0.00139	0.99861	96.44
17.5	66,984,557.63	151,509.32	0.00226	0.99774	96.31
18.5	63,798,718.22	267,017.79	0.00419	0.99581	96.09
19.5	59,281,548.20	831,898.18	0.01403	0.98597	95.69
20.5	55,324,108.20	364,273.60	0.00658	0.99342	94.35
21.5	54,069,660.39	687,955.46	0.01272	0.98728	93.72
22.5	53,381,704.93	1,306,793.69	0.02448	0.97552	92.53
23.5	50,666,683.51	129,100.60	0.00255	0.99745	90.27
24.5	47,015,888.37	799,162.03	0.01700	0.98300	90.04
25.5	42,959,278.19	801,190.13	0.01865	0.98135	88.51
26.5	39,184,326.32	358,459.59	0.00915	0.99085	86.86
27.5	37,536,310.89	433,830.73	0.01156	0.98844	86.06
28.5	32,786,642.39	813,541.29	0.02481	0.97519	85.07
29.5	30,778,767.60	948,122.33	0.03080	0.96920	82.96
30.5	29,718,714.40	392,370.38	0.01320	0.98680	80.40
31.5	29,311,802.36	534,613.91	0.01824	0.98176	79.34
32.5	27,733,723.93	591,295.06	0.02132	0.97868	77.89
33.5	27,050,782.72	118,807.98	0.00439	0.99561	76.23
34.5	26,871,659.23	328,225.99	0.01221	0.98779	75.90
35.5	18,150,856.34	222,462.20	0.01226	0.98774	74.97
36.5	17,786,678.53	235,508.19	0.01324	0.98676	74.05
37.5	17,474,086.06	146,992.56	0.00841	0.99159	73.07
38.5	17,195,983.88	798,548.32	0.04644	0.95356	72.46
39.5	16,352,670.13	1,063,138.17	0.06501	0.93499	69.09
40.5	12,439,022.80	382,311.01	0.03073	0.96927	64.60
41.5	11,880,853.79	217,740.88	0.01833	0.98167	62.61
42.5	11,655,866.31	225,062.26	0.01931	0.98069	61.47
43.5	11,193,326.05	170,272.15	0.01521	0.98479	60.28
44.5	1,994,380.44	359.95	0.00018	0.99982	59.36
45.5	1,847,623.49	82,340.43	0.04457	0.95543	59.35
46.5	1,469,026.06	0.00	0.00000	1.00000	56.71
47.5	358,916.85	2,822.82	0.00786	0.99214	56.71
48.5	31,837.40	0.00	0.00000	1.00000	56.26
49.5	931.39	0.00	0.00000	1.00000	56.26
50.5	0.00	0.00	0.00000	1.00000	56.26

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eq't

Placement Band: 1991 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	96,017,605.35	0.00	0.00000	1.00000	100.00
0.5	96,054,899.74	175.89	0.00000	1.00000	100.00
1.5	93,688,943.41	36,204.64	0.00039	0.99961	100.00
2.5	95,752,843.88	0.00	0.00000	1.00000	99.96
3.5	98,692,349.12	79,277.57	0.00080	0.99920	99.96
4.5	97,918,023.25	4,588.34	0.00005	0.99995	99.88
5.5	95,268,891.60	42,109.63	0.00044	0.99956	99.88
6.5	82,539,628.92	59,477.12	0.00072	0.99928	99.83
7.5	77,707,657.64	18,228.28	0.00023	0.99977	99.76
8.5	69,352,685.63	13,670.91	0.00020	0.99980	99.74
9.5	65,078,674.24	26,925.24	0.00041	0.99959	99.72
10.5	45,648,116.67	142,070.86	0.00311	0.99689	99.68
11.5	42,606,492.04	32,603.40	0.00077	0.99923	99.37
12.5	41,068,849.00	113,811.49	0.00277	0.99723	99.29
13.5	42,945,123.05	139,300.73	0.00324	0.99676	99.01
14.5	42,824,201.27	158,445.67	0.00370	0.99630	98.69
15.5	40,899,021.91	912,722.96	0.02232	0.97768	98.33
16.5	37,472,758.04	85,773.79	0.00229	0.99771	96.13
17.5	32,685,402.62	69,662.25	0.00213	0.99787	95.91
18.5	28,267,361.92	176,244.04	0.00623	0.99377	95.71
19.5	23,901,761.33	407,431.65	0.01705	0.98295	95.11
20.5	20,353,612.26	87,298.87	0.00429	0.99571	93.49
21.5	19,321,954.39	168,952.52	0.00874	0.99126	93.09
22.5	19,153,001.87	646,155.78	0.03374	0.96626	92.28
23.5	17,098,146.67	0.00	0.00000	1.00000	89.16
24.5	13,197,087.21	0.00	0.00000	1.00000	89.16
25.5	9,925,211.49	0.00	0.00000	1.00000	89.16
26.5	6,917,024.63	0.00	0.00000	1.00000	89.16
27.5	5,548,324.82	0.00	0.00000	1.00000	89.16
28.5	1,231,583.84	0.00	0.00000	1.00000	89.16
29.5	0.00	0.00	0.00000	0.00000	89.16

Scenario: So Cal Gas Actuarial @ 2020

Account: 356x-Purification Eqt

Placement Band: 1991 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	142,069,884.17	0.00	0.00000	1.00000	100.00
0.5	140,368,211.65	53,371.41	0.00038	0.99962	100.00
1.5	134,917,265.21	127,142.84	0.00094	0.99906	99.96
2.5	132,025,701.03	0.00	0.00000	1.00000	99.87
3.5	130,226,423.53	79,277.57	0.00061	0.99939	99.87
4.5	126,759,647.43	20,168.57	0.00016	0.99984	99.81
5.5	120,512,534.04	42,113.03	0.00035	0.99965	99.79
6.5	106,032,918.86	70,268.73	0.00066	0.99934	99.76
7.5	101,190,155.97	846,869.96	0.00837	0.99163	99.69
8.5	90,303,402.42	189,211.69	0.00210	0.99790	98.86
9.5	81,473,588.66	118,533.51	0.00145	0.99855	98.65
10.5	57,815,218.84	173,510.09	0.00300	0.99700	98.51
11.5	51,654,604.48	32,603.40	0.00063	0.99937	98.21
12.5	48,628,783.68	113,811.49	0.00234	0.99766	98.15
13.5	45,125,051.20	139,300.73	0.00309	0.99691	97.92
14.5	42,824,201.27	158,445.67	0.00370	0.99630	97.61
15.5	40,899,021.91	912,722.96	0.02232	0.97768	97.25
16.5	37,472,758.04	85,773.79	0.00229	0.99771	95.08
17.5	32,685,402.62	69,662.25	0.00213	0.99787	94.86
18.5	28,267,361.92	176,244.04	0.00623	0.99377	94.66
19.5	23,901,761.33	407,431.65	0.01705	0.98295	94.07
20.5	20,353,612.26	87,298.87	0.00429	0.99571	92.47
21.5	19,321,954.39	168,952.52	0.00874	0.99126	92.07
22.5	19,153,001.87	646,155.78	0.03374	0.96626	91.27
23.5	17,098,146.67	0.00	0.00000	1.00000	88.19
24.5	13,197,087.21	0.00	0.00000	1.00000	88.19
25.5	9,925,211.49	0.00	0.00000	1.00000	88.19
26.5	6,917,024.63	0.00	0.00000	1.00000	88.19
27.5	5,548,324.82	0.00	0.00000	1.00000	88.19
28.5	1,231,583.84	0.00	0.00000	1.00000	88.19
29.5	0.00	0.00	0.00000	0.00000	88.19

Actuarial Life Analysis

Account: 356x-Purification Eq
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1916 - 1956
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1952 -1956	40.5	3.29	0.02162959	L5	29.35
1953 -1957	41.5	6.09	0.03887904	S4	30.65
1954 -1958	42.5	1.03	0.01710991	L5	29.43
1955 -1959	43.5	1.82	0.03060669	L5	29.66
1956 -1960	44.5	0.86	0.01931611	L5	30.40
1957 -1961	45.5	1.90	0.01929870	L5	32.67
1958 -1962	46.5	3.29	0.04890424	S4	33.01
1959 -1963	47.5	4.22	0.02104593	L5	35.80
1960 -1964	48.5	4.55	0.03226974	L5	35.80
1961 -1965	49.5	14.17	0.04720541	S4	39.61
1962 -1966	50.5	0.07	0.04820333	S6	35.64
1963 -1967	51.5	0.00	0.10602929	S6	34.25
1964 -1968	52.5	0.00	0.09504761	R5	32.40
1965 -1969	53.5	0.00	0.04519535	L5	21.80
1966 -1970	54.5	0.00	0.03482399	S5	21.29
1967 -1971	55.5	0.00	0.05154270	S5	20.12
1968 -1972	56.5	0.00	0.07281339	S6	19.80
1969 -1973	57.5	0.00	0.00056260	SQ	20.00
1970 -1974	58.5	98.87	0.00102523	R2.5	257.97
1971 -1975	59.5	98.82	0.00110122	R2.5	258.94
1972 -1976	60.5	99.49	0.00031928	R3	248.02
1973 -1977	61.5	99.67	0.00021411	L2.5	247.75
1974 -1978	62.5	99.90	0.00001880	R4	212.90
1975 -1979	63.5	97.50	0.00331041	R2	247.98
1976 -1980	64.5	96.70	0.00610913	R2	203.80
1977 -1981	65.5	95.71	0.00788326	R1.5	247.24
1978 -1982	66.5	83.61	0.10287535	R0.5	136.52
1979 -1983	67.5	74.17	0.24553803	L0	101.52
1980 -1984	68.5	84.07	0.09783942	R0.5	142.92
1981 -1985	69.5	83.08	0.11093199	R0.5	138.71
1982 -1986	70.5	66.62	0.38521485	L0	88.97
1983 -1987	71.5	79.30	0.16651974	R0.5	119.32
1984 -1988	72.5	68.31	0.37576690	L0	95.26
1985 -1989	73.5	56.96	0.61576067	L0	75.12
1986 -1990	74.5	61.67	0.54231414	L0	82.65
1987 -1991	75.5	41.98	0.94321220	L1	55.45
1988 -1992	76.5	19.52	1.14169918	L2	40.55
1989 -1993	77.5	32.24	1.13349675	L1.5	50.20
1990 -1994	78.5	37.86	1.09029533	L1	55.01
1991 -1995	79.5	6.02	0.26591805	L5	37.08
1992 -1996	80.5	1.42	0.03403287	L5	34.04
1993 -1997	81.5	1.87	0.04071447	L5	34.19
1994 -1998	82.5	2.61	0.07051490	L5	34.21
1995 -1999	83.5	1.82	0.05702394	L5	34.09

Actuarial Life Analysis

Account: 356x-Purification Eq
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1916 - 2000
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1996 -2000	84.5	6.66	0.38093447	L5	38.26
1997 -2001	85.5	52.04	0.67382475	L0.5	76.54
1998 -2002	86.5	77.03	0.29600134	R0.5	107.34
1999 -2003	87.5	76.45	0.27907590	R0.5	108.21
2000 -2004	88.5	71.10	0.47877228	R0.5	91.78
2001 -2005	89.5	44.30	1.26893752	L0	59.77
2002 -2006	90.5	49.55	1.08825511	L0	66.20
2003 -2007	91.5	0.00	0.10469394	S1	29.02
2004 -2008	92.5	0.00	0.08342115	S2	30.54
2005 -2009	93.5	0.00	0.13588463	R2.5	31.26
2006 -2010	94.5	0.00	0.39818712	R3	33.54
2007 -2011	95.5	0.00	0.30197763	R3	33.01
2008 -2012	96.5	30.30	1.64630487	L1	57.37
2009 -2013	97.5	66.98	0.45879062	L0	113.66
2010 -2014	98.5	78.72	0.20654849	R0.5	140.67
2011 -2015	99.5	60.89	0.70271278	L0	95.88
2012 -2016	100.5	53.32	0.79725478	L0	85.14
2013 -2017	101.5	58.92	0.71820771	L0	95.39
2014 -2018	102.5	13.65	1.12208478	L3	50.49
2015 -2019	103.5	56.15	0.74680719	L0	93.21
2016 -2020	104.5	75.63	0.27621655	R0.5	139.03

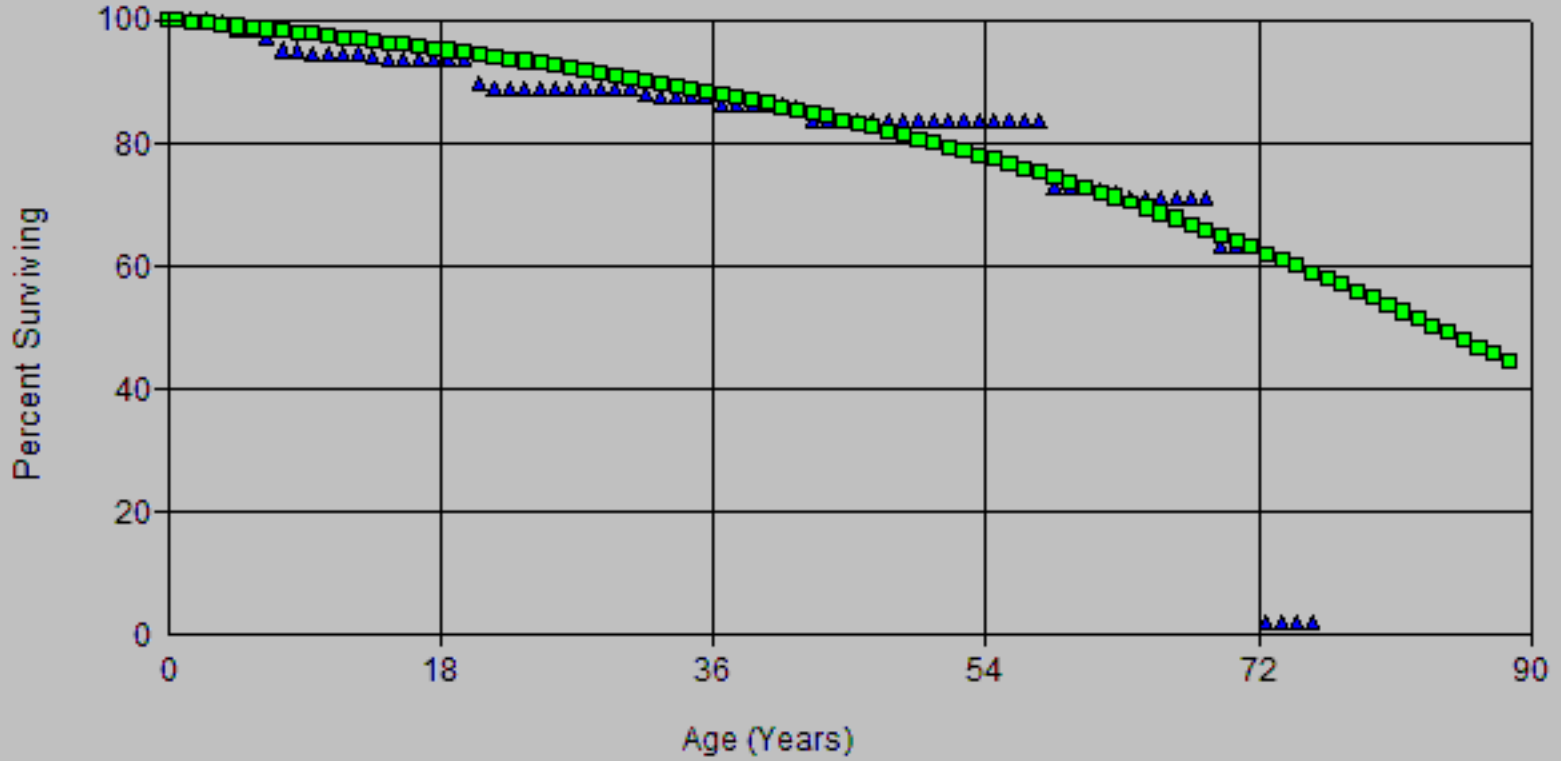
Actuarial Life Analysis

Account: 356x-Purification Eq
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1916 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1952 -2020	104.5	2.24	0.23034476	R3	43.05
1957 -2020	104.5	2.25	0.23074333	R3	43.07
1962 -2020	104.5	2.25	0.23109425	R3	43.09
1967 -2020	104.5	2.25	0.23177079	R3	43.09
1972 -2020	104.5	2.26	0.23260578	R3	43.10
1977 -2020	104.5	2.25	0.23193620	R3	43.05
1982 -2020	104.5	2.24	0.23098191	R3	42.97
1987 -2020	104.5	2.26	0.23314326	R3	43.06
1992 -2020	104.5	2.33	0.25146300	R3	43.33
1997 -2020	104.5	2.57	0.34765955	R3	43.92
2002 -2020	104.5	2.50	0.35643016	R3	43.25
2007 -2020	104.5	0.27	0.39291138	R3	42.66
2012 -2020	104.5	68.57	0.49458962	R0.5	108.41
2017 -2020	104.5	83.71	0.11044800	R0.5	197.62

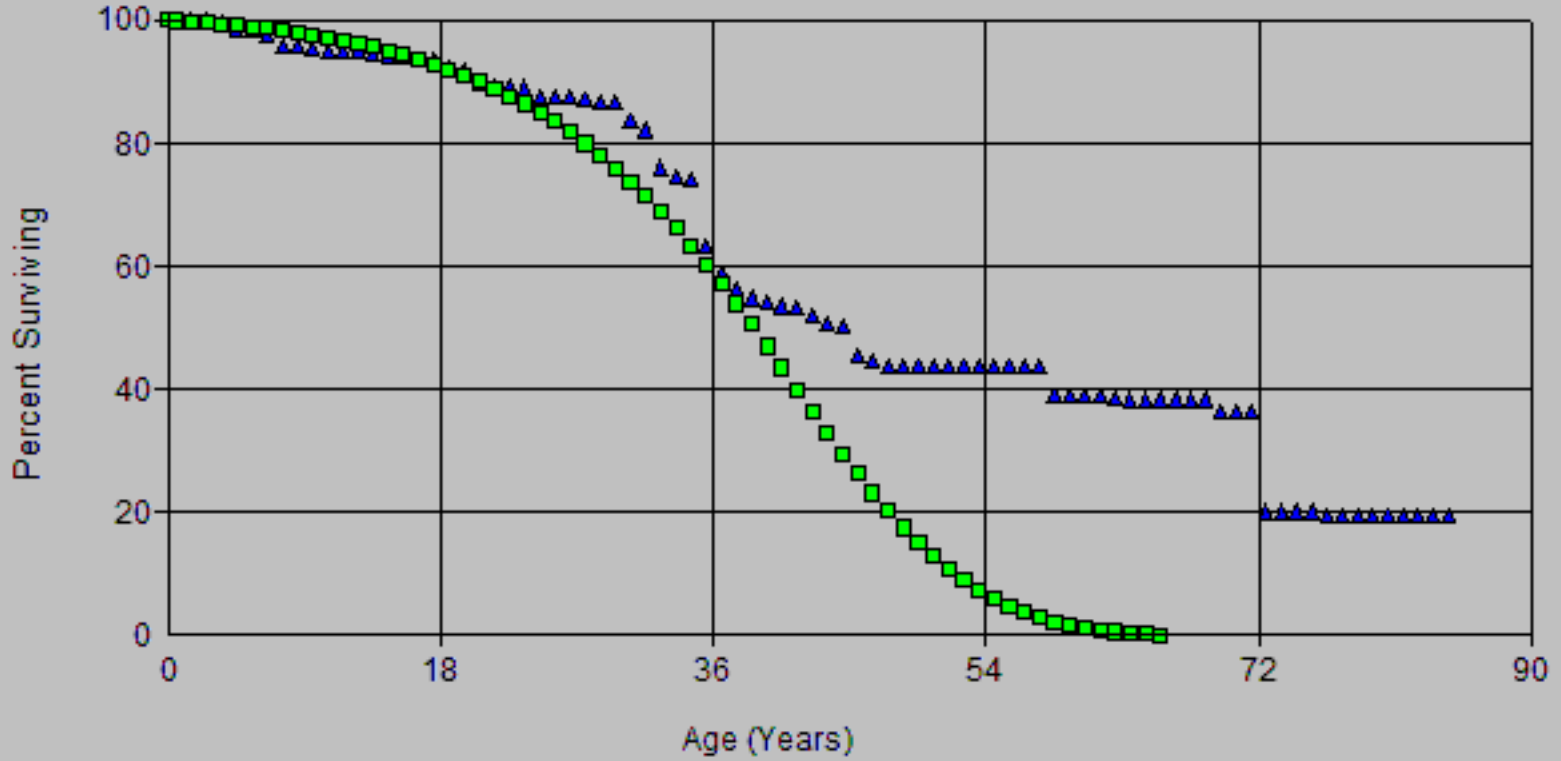
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▲ Actual Data ■ R1.5 80.00



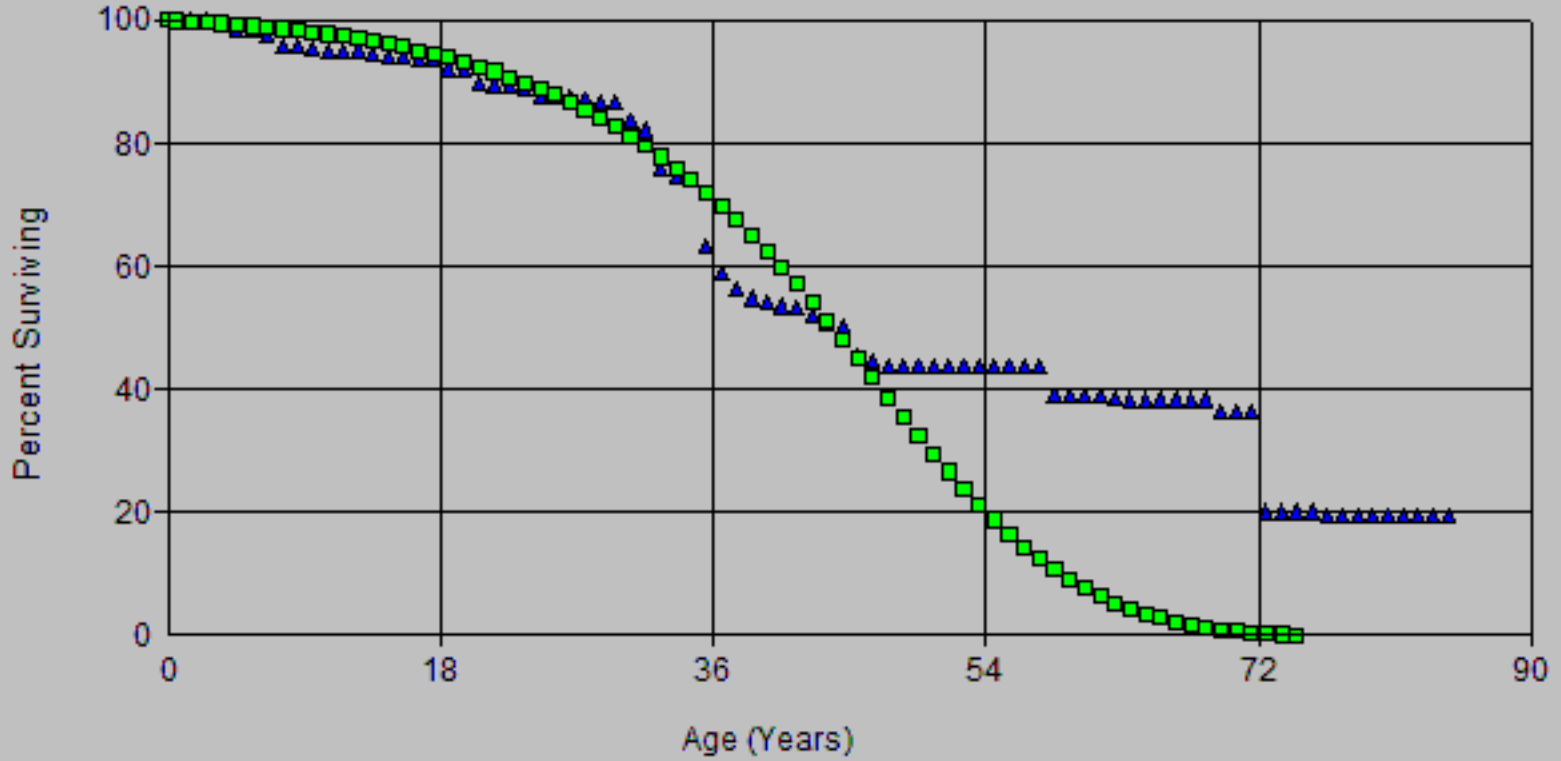
Account: 327 Other Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 37.00



Account: 35X Other Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 42.00

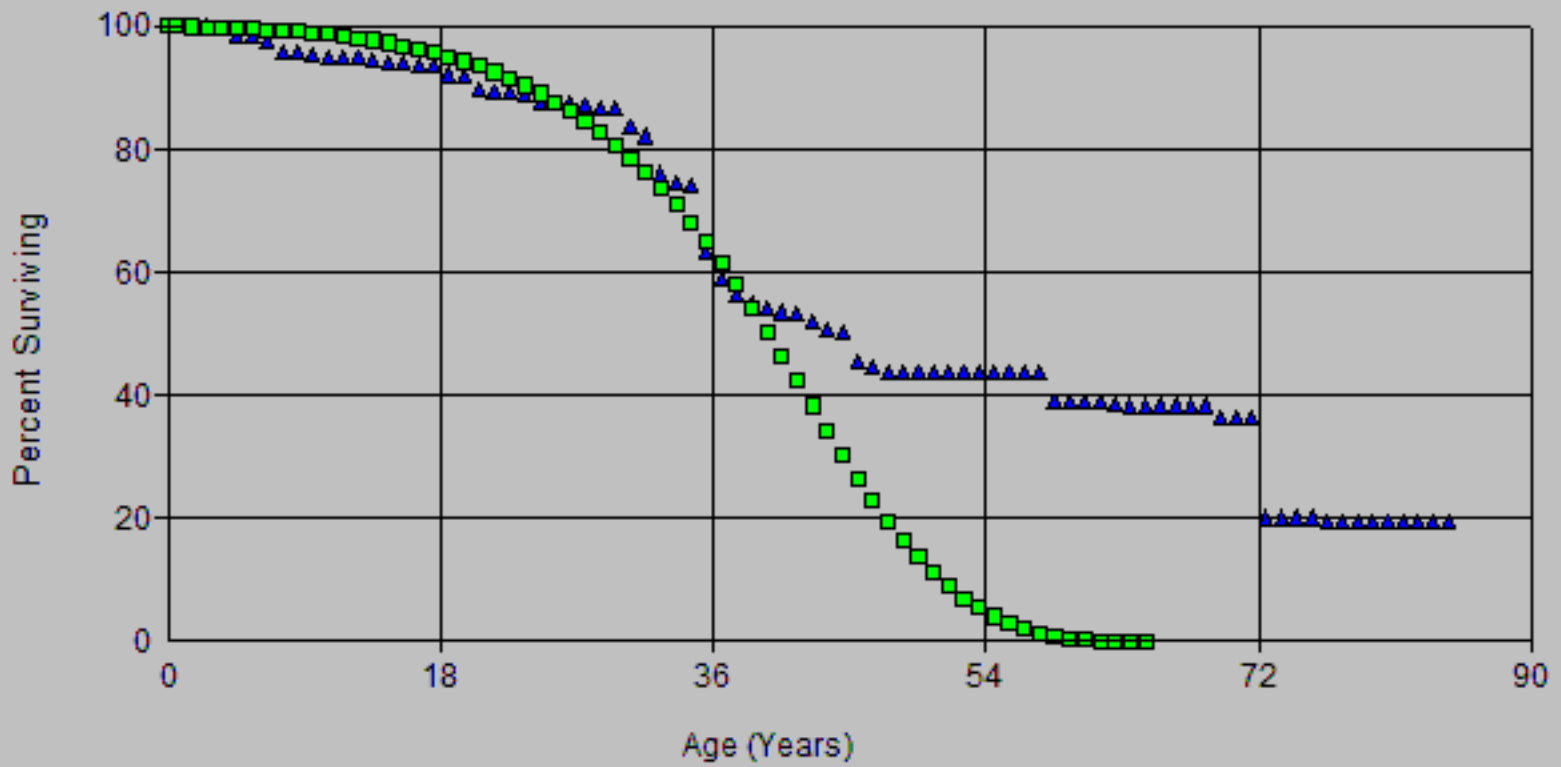


SoCalGas
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Account: 337 Other Eqt

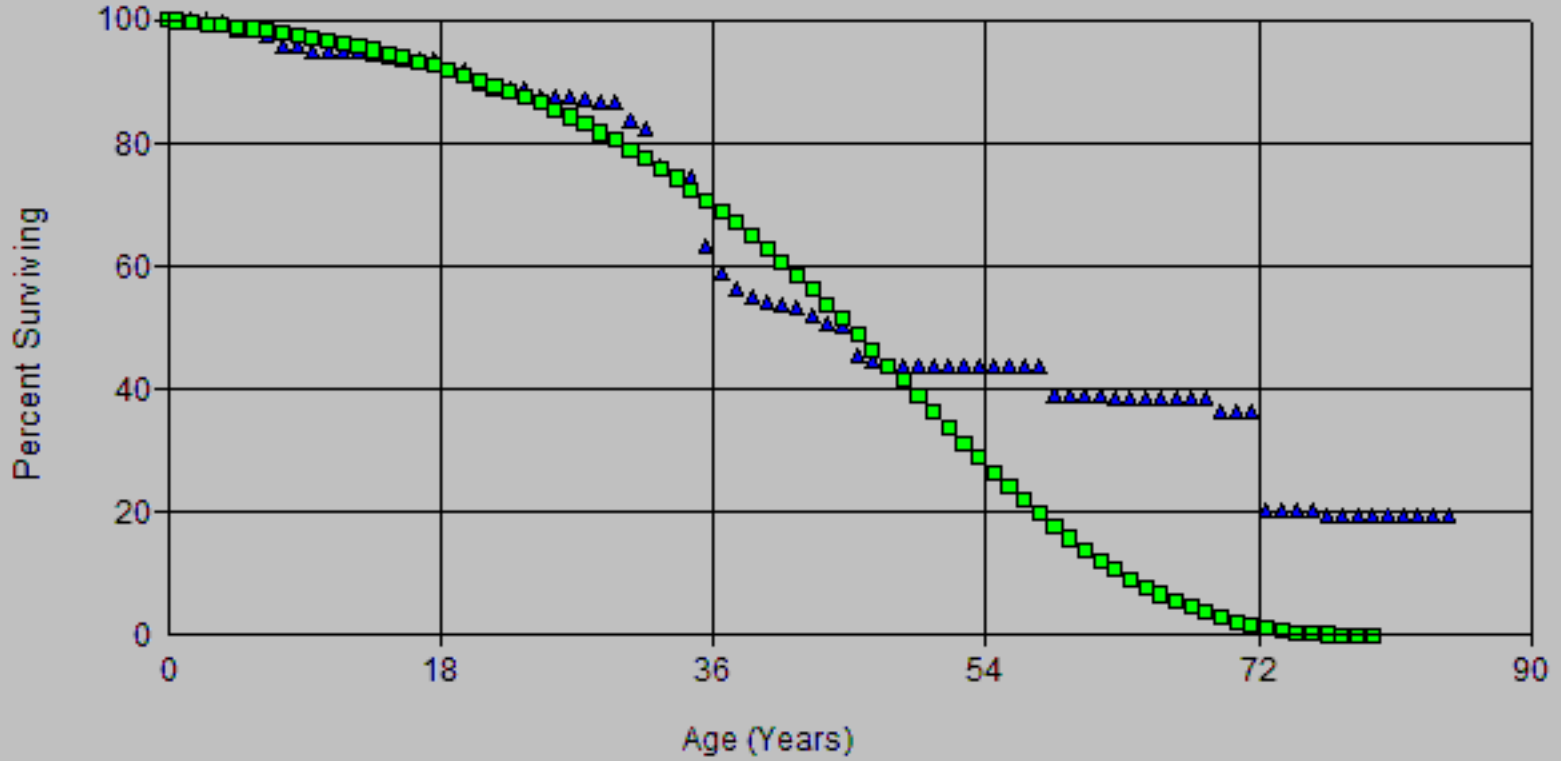
Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R3 38.00



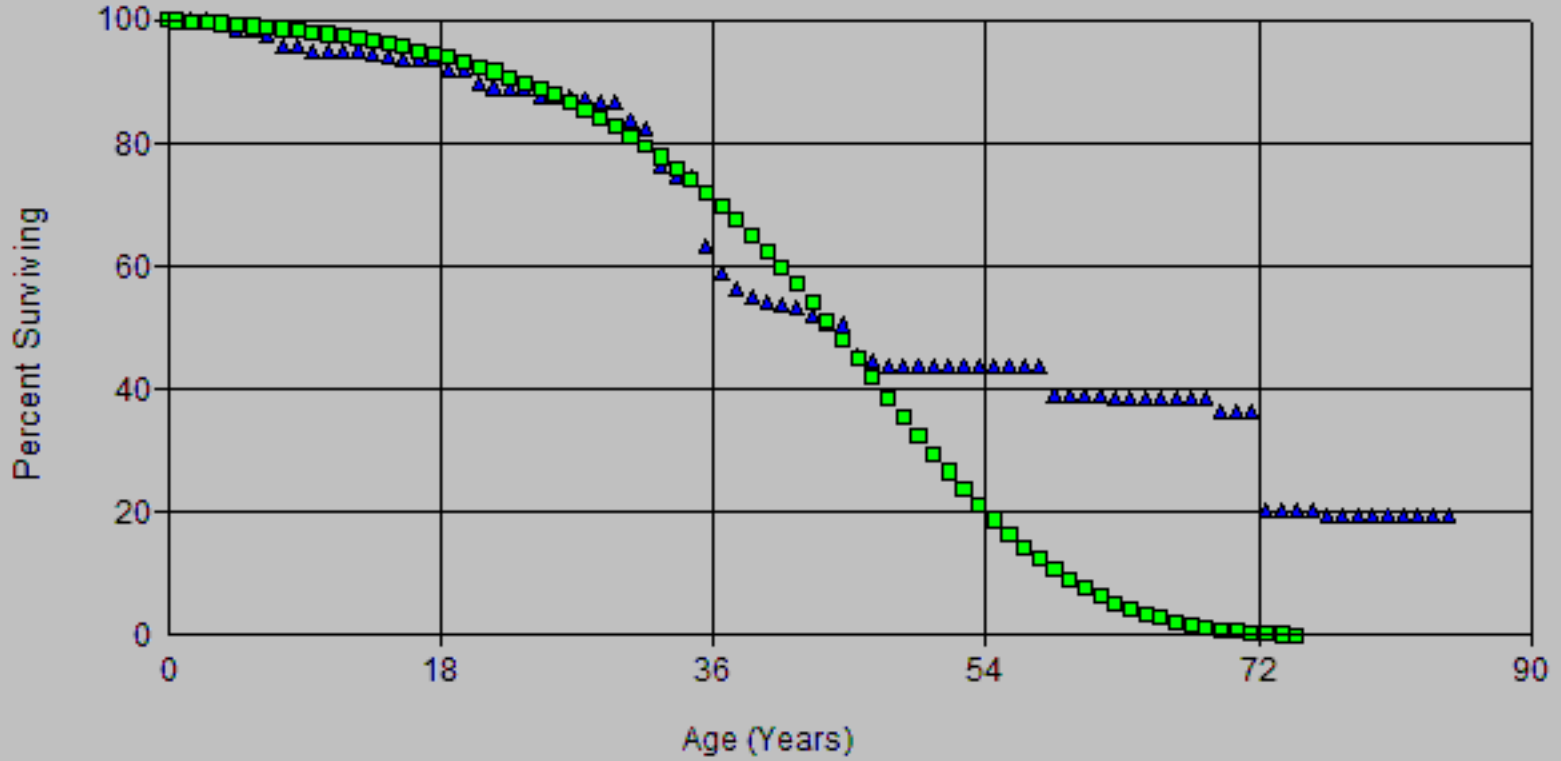
Account: 35X Other Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2 43.00



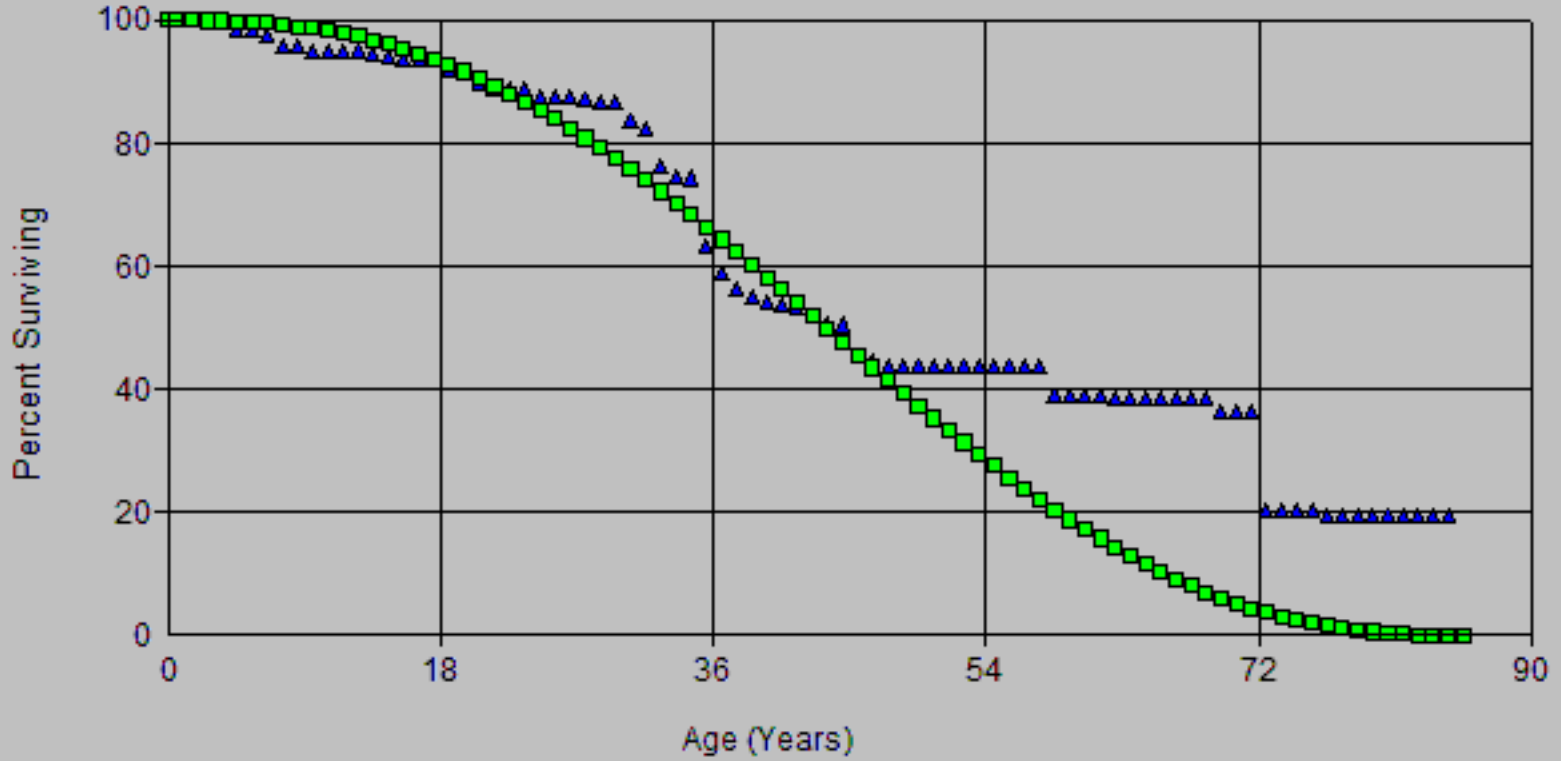
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▲ Actual Data ■ R2.5 42.00



Account: 357 Other Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S1 43.00

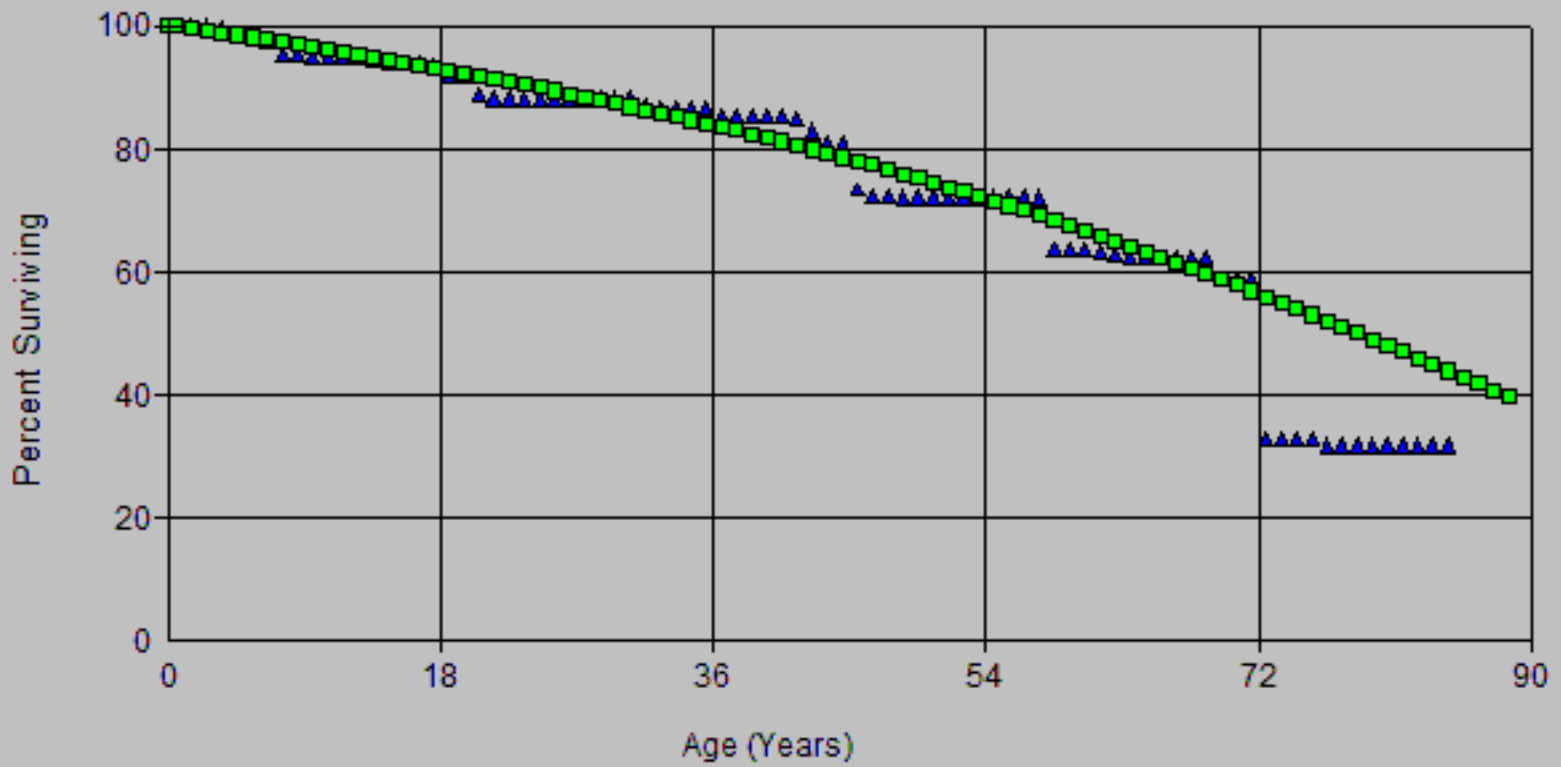


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Account: 35X-Other Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1 75.00

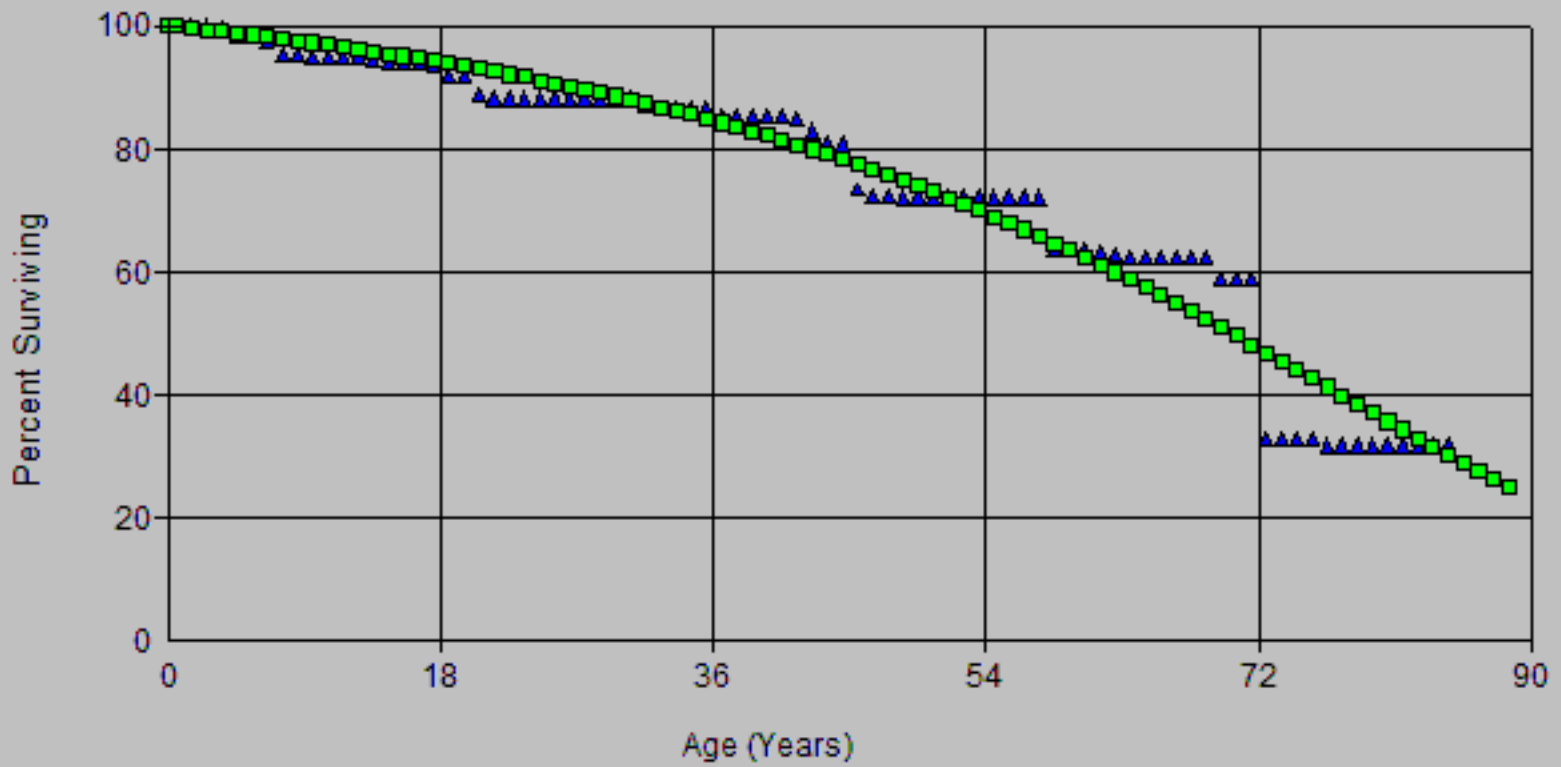


SoCalGas
 2024 GRC APP
 Depreciation Workpapers

Account: 35X-Other Eqt

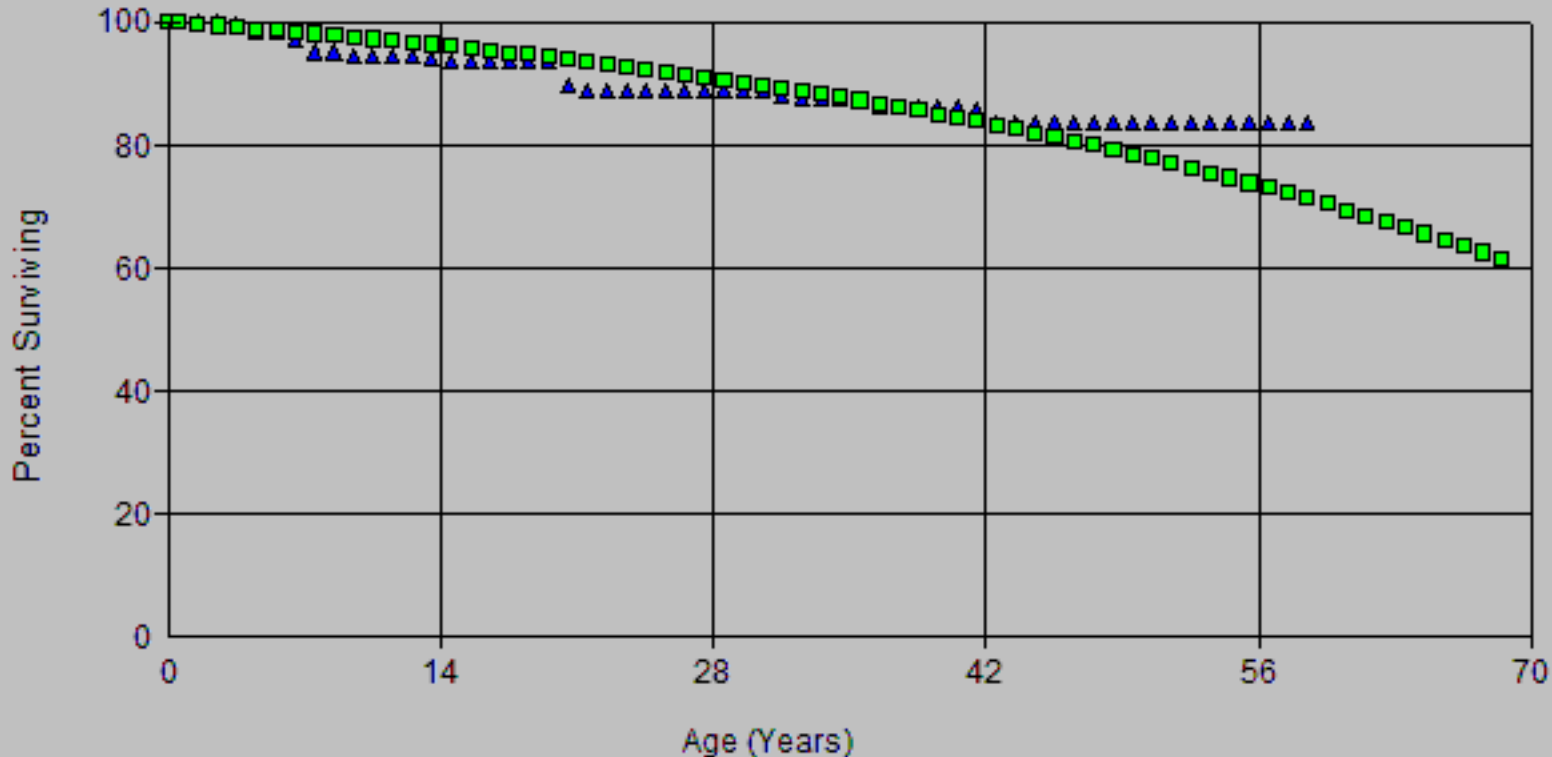
Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1.5 67.00



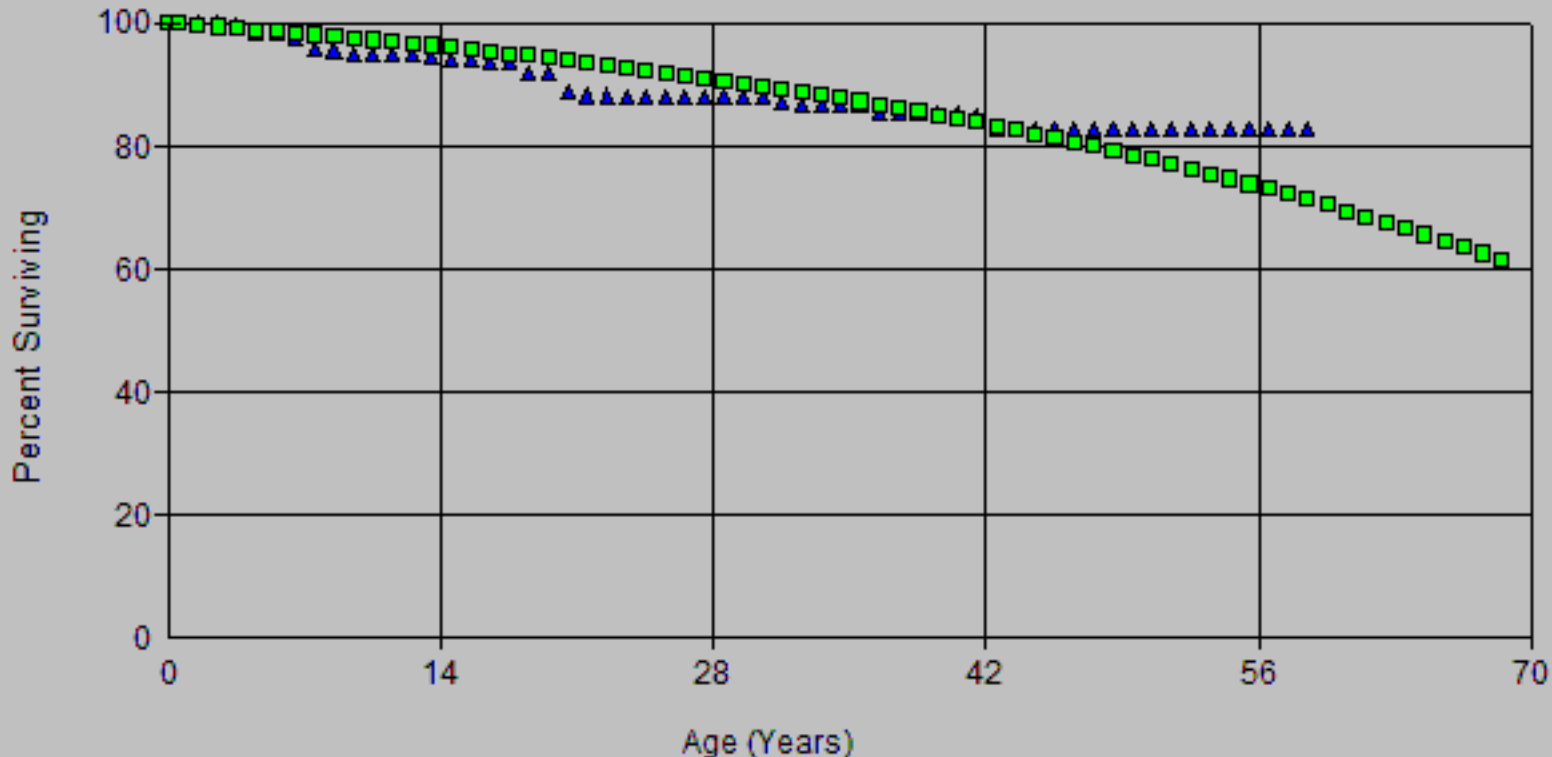
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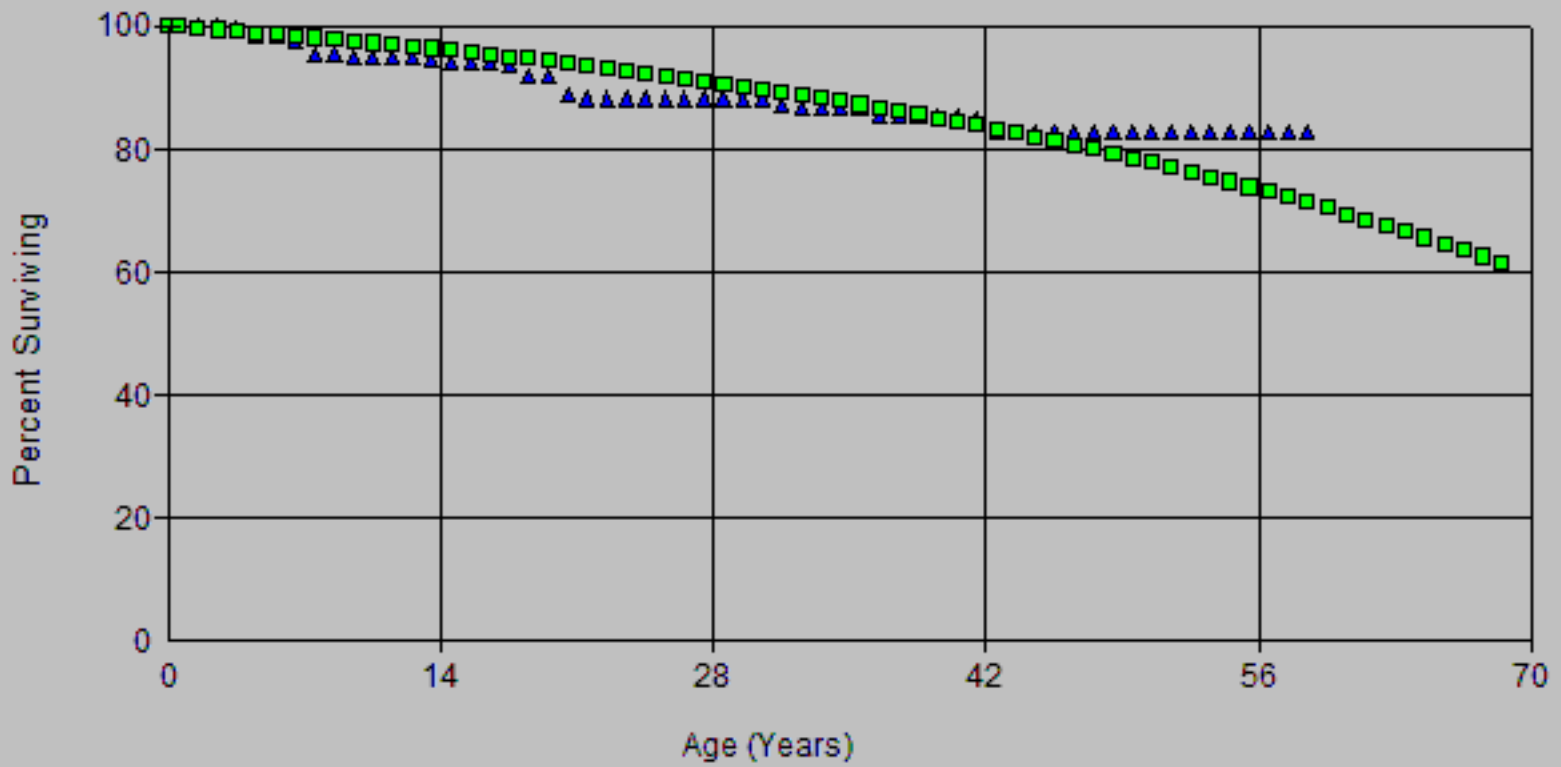
Account: 357-Other Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1.5 75.00



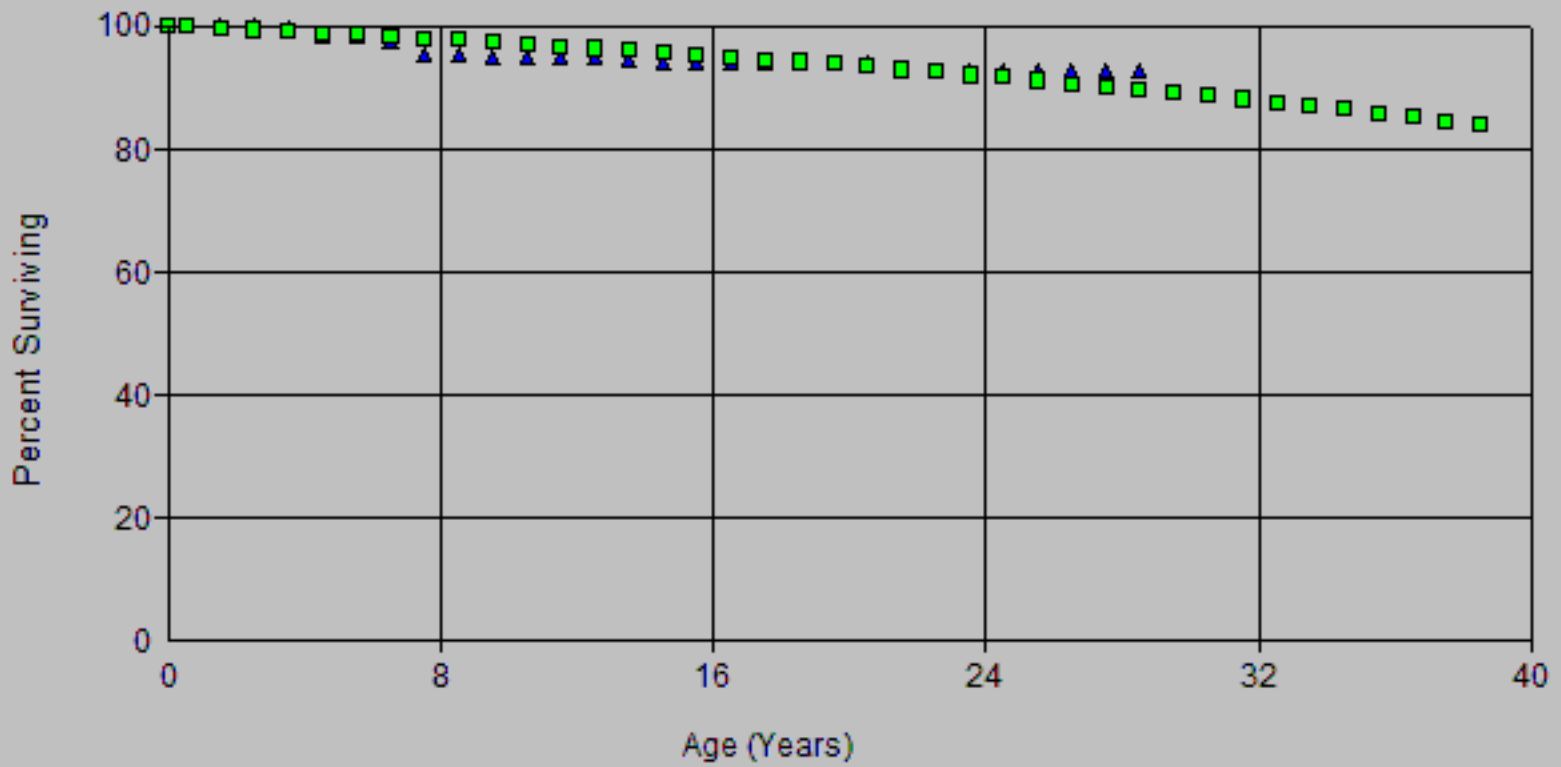
Account: 357-Other Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1.575.00



Account: 35/Other Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1.5 70.00



Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1929 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	71,017,842.34	0.00	0.00000	1.00000	100.00
0.5	68,643,709.23	0.00	0.00000	1.00000	100.00
1.5	63,579,405.76	21,777.02	0.00034	0.99966	100.00
2.5	51,993,745.86	134,105.01	0.00258	0.99742	99.97
3.5	44,596,317.01	534,318.31	0.01198	0.98802	99.71
4.5	43,900,196.28	0.00	0.00000	1.00000	98.51
5.5	40,999,396.32	460,438.83	0.01123	0.98877	98.51
6.5	25,312,215.76	557,066.11	0.02201	0.97799	97.41
7.5	23,675,844.91	10,657.89	0.00045	0.99955	95.26
8.5	19,718,103.59	111,726.93	0.00567	0.99433	95.22
9.5	16,983,545.30	32,682.12	0.00192	0.99808	94.68
10.5	12,162,193.29	0.00	0.00000	1.00000	94.50
11.5	8,160,754.36	0.00	0.00000	1.00000	94.50
12.5	4,661,676.93	25,148.62	0.00539	0.99461	94.50
13.5	3,919,197.13	7,597.07	0.00194	0.99806	93.99
14.5	3,902,052.54	596.65	0.00015	0.99985	93.81
15.5	3,917,272.20	0.00	0.00000	1.00000	93.79
16.5	3,867,149.31	103.15	0.00003	0.99997	93.79
17.5	3,850,689.33	0.00	0.00000	1.00000	93.79
18.5	3,981,628.66	0.00	0.00000	1.00000	93.79
19.5	2,080,775.62	85,321.91	0.04100	0.95900	93.79
20.5	1,778,047.41	16,774.47	0.00943	0.99057	89.95
21.5	1,761,272.94	0.00	0.00000	1.00000	89.10
22.5	2,041,429.41	0.00	0.00000	1.00000	89.10
23.5	2,243,710.06	0.00	0.00000	1.00000	89.10
24.5	2,296,576.07	0.00	0.00000	1.00000	89.10
25.5	2,453,573.52	0.00	0.00000	1.00000	89.10
26.5	2,496,015.21	0.00	0.00000	1.00000	89.10
27.5	2,480,119.52	0.00	0.00000	1.00000	89.10
28.5	1,637,058.30	0.00	0.00000	1.00000	89.10
29.5	1,691,850.32	0.00	0.00000	1.00000	89.10
30.5	1,676,034.01	21,242.45	0.01267	0.98733	89.10
31.5	1,663,067.56	8,276.00	0.00498	0.99502	87.97
32.5	1,558,451.46	0.00	0.00000	1.00000	87.53
33.5	1,306,963.92	0.00	0.00000	1.00000	87.53
34.5	1,304,751.53	0.00	0.00000	1.00000	87.53
35.5	1,304,751.53	17,540.11	0.01344	0.98656	87.53
36.5	1,287,211.42	0.00	0.00000	1.00000	86.35
37.5	1,007,054.95	0.00	0.00000	1.00000	86.35
38.5	801,274.01	0.00	0.00000	1.00000	86.35
39.5	716,000.01	379.20	0.00053	0.99947	86.35
40.5	504,945.06	2,280.42	0.00452	0.99548	86.31
41.5	433,950.13	11,031.39	0.02542	0.97458	85.92
42.5	409,021.07	0.00	0.00000	1.00000	83.73
43.5	55,189.02	0.00	0.00000	1.00000	83.73
44.5	397.00	0.00	0.00000	1.00000	83.73
45.5	397.00	0.00	0.00000	1.00000	83.73
46.5	397.00	0.00	0.00000	1.00000	83.73
47.5	397.00	0.00	0.00000	1.00000	83.73
48.5	2,544.00	0.00	0.00000	1.00000	83.73
49.5	2,544.00	0.00	0.00000	1.00000	83.73
50.5	2,544.00	0.00	0.00000	1.00000	83.73
51.5	3,106.00	0.00	0.00000	1.00000	83.73
52.5	3,106.00	0.00	0.00000	1.00000	83.73

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1929 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	46,473.00	0.00	0.00000	1.00000	83.73
54.5	46,744.00	0.00	0.00000	1.00000	83.73
55.5	46,744.00	0.00	0.00000	1.00000	83.73
56.5	54,088.00	0.00	0.00000	1.00000	83.73
57.5	54,088.00	7,116.65	0.13158	0.86842	83.73
58.5	46,574.35	0.00	0.00000	1.00000	72.72
59.5	46,574.35	0.00	0.00000	1.00000	72.72
60.5	47,219.35	271.00	0.00574	0.99426	72.72
61.5	46,948.35	317.93	0.00677	0.99323	72.30
62.5	46,630.42	439.95	0.00943	0.99057	71.81
63.5	49,145.47	0.00	0.00000	1.00000	71.13
64.5	49,145.47	0.00	0.00000	1.00000	71.13
65.5	49,145.47	0.00	0.00000	1.00000	71.13
66.5	48,796.07	0.00	0.00000	1.00000	71.13
67.5	48,978.07	0.00	0.00000	1.00000	71.13
68.5	5,929.00	645.00	0.10879	0.89121	71.13
69.5	5,284.00	0.00	0.00000	1.00000	63.39
70.5	5,284.00	0.00	0.00000	1.00000	63.39
71.5	5,284.00	5,102.00	0.96556	0.03444	63.39
72.5	182.00	0.00	0.00000	1.00000	2.18
73.5	182.00	0.00	0.00000	1.00000	2.18
74.5	182.00	0.00	0.00000	1.00000	2.18
75.5	182.00	182.00	1.00000	0.00000	2.18
76.5	6,169.00	0.00	0.00000	1.00000	0.00
77.5	6,169.00	0.00	0.00000	1.00000	0.00
78.5	6,169.00	0.00	0.00000	1.00000	0.00
79.5	6,169.00	0.00	0.00000	1.00000	0.00
80.5	6,169.00	0.00	0.00000	1.00000	0.00
81.5	6,169.00	0.00	0.00000	1.00000	0.00
82.5	6,169.00	0.00	0.00000	1.00000	0.00
83.5	6,169.00	0.00	0.00000	1.00000	0.00
84.5	6,169.00	6,169.00	1.00000	0.00000	0.00
85.5	0.00	0.00	0.00000	1.00000	0.00

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1929 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	78,108,779.08	112.84	0.00000	1.00000	100.00
0.5	75,734,535.09	3,469.56	0.00005	0.99995	100.00
1.5	70,515,925.35	22,267.82	0.00032	0.99968	100.00
2.5	58,709,229.74	135,175.18	0.00230	0.99770	99.96
3.5	51,190,182.51	536,194.35	0.01047	0.98953	99.73
4.5	48,611,703.88	3,953.99	0.00008	0.99992	98.69
5.5	45,489,578.35	462,841.10	0.01017	0.98983	98.68
6.5	29,799,995.52	563,823.40	0.01892	0.98108	97.68
7.5	28,156,867.38	16,071.32	0.00057	0.99943	95.83
8.5	24,164,940.91	117,125.68	0.00485	0.99515	95.77
9.5	21,390,897.47	45,017.26	0.00210	0.99790	95.31
10.5	16,503,533.99	7,882.79	0.00048	0.99952	95.11
11.5	12,467,939.45	19,468.05	0.00156	0.99844	95.06
12.5	8,919,221.41	38,374.21	0.00430	0.99570	94.92
13.5	6,914,131.38	20,614.68	0.00298	0.99702	94.51
14.5	6,883,969.18	17,482.12	0.00254	0.99746	94.23
15.5	6,866,487.06	11,469.76	0.00167	0.99833	93.99
16.5	6,804,894.41	10,756.17	0.00158	0.99842	93.83
17.5	6,622,977.70	103,712.52	0.01566	0.98434	93.68
18.5	6,398,716.97	7,208.37	0.00113	0.99887	92.21
19.5	4,488,443.17	114,469.89	0.02550	0.97450	92.11
20.5	4,156,566.98	22,419.42	0.00539	0.99461	89.76
21.5	4,134,147.56	3,583.15	0.00087	0.99913	89.28
22.5	4,130,564.41	2,463.64	0.00060	0.99940	89.20
23.5	4,124,600.48	63,158.69	0.01531	0.98469	89.15
24.5	4,029,033.80	3,700.60	0.00092	0.99908	87.78
25.5	3,971,654.90	1,227.80	0.00031	0.99969	87.70
26.5	3,944,154.28	21,318.67	0.00541	0.99459	87.67
27.5	3,892,663.05	18,420.91	0.00473	0.99527	87.20
28.5	2,624,857.50	268.04	0.00010	0.99990	86.79
29.5	2,624,589.46	98,287.87	0.03745	0.96255	86.78
30.5	2,510,485.28	39,768.13	0.01584	0.98416	83.53
31.5	2,470,717.15	182,929.86	0.07404	0.92596	82.20
32.5	2,191,447.19	45,757.07	0.02088	0.97912	76.12
33.5	1,894,202.58	6,659.21	0.00352	0.99648	74.53
34.5	1,885,330.98	277,918.62	0.14741	0.85259	74.27
35.5	1,607,412.36	108,023.87	0.06720	0.93280	63.32
36.5	1,499,388.49	69,210.56	0.04616	0.95384	59.06
37.5	1,150,021.46	30,207.83	0.02627	0.97373	56.34
38.5	914,032.69	9,945.01	0.01088	0.98912	54.86
39.5	818,813.68	10,391.54	0.01269	0.98731	54.26
40.5	597,746.39	2,691.19	0.00450	0.99550	53.57
41.5	526,340.69	14,000.29	0.02660	0.97340	53.33
42.5	498,442.73	12,753.16	0.02559	0.97441	51.91
43.5	131,460.52	324.04	0.00246	0.99754	50.58
44.5	76,344.46	7,567.86	0.09913	0.90087	50.46
45.5	68,776.60	1,484.16	0.02158	0.97842	45.46
46.5	67,292.44	863.92	0.01284	0.98716	44.48
47.5	66,428.52	231.44	0.00348	0.99652	43.91
48.5	66,197.08	6.30	0.00010	0.99990	43.75
49.5	66,190.78	4.19	0.00006	0.99994	43.75
50.5	66,186.59	0.58	0.00001	0.99999	43.75
51.5	66,186.01	0.01	0.00000	1.00000	43.75
52.5	66,186.00	0.00	0.00000	1.00000	43.75

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eqt

Placement Band: 1929 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	66,186.00	0.00	0.00000	1.00000	43.75
54.5	66,186.00	0.00	0.00000	1.00000	43.75
55.5	66,186.00	0.00	0.00000	1.00000	43.75
56.5	66,186.00	0.00	0.00000	1.00000	43.75
57.5	66,186.00	7,116.65	0.10753	0.89247	43.75
58.5	58,672.35	0.00	0.00000	1.00000	39.04
59.5	58,672.35	0.00	0.00000	1.00000	39.04
60.5	58,672.35	271.00	0.00462	0.99538	39.04
61.5	58,401.35	317.93	0.00544	0.99456	38.86
62.5	58,083.42	439.95	0.00757	0.99243	38.65
63.5	55,496.47	0.00	0.00000	1.00000	38.36
64.5	55,496.47	0.00	0.00000	1.00000	38.36
65.5	55,496.47	0.00	0.00000	1.00000	38.36
66.5	55,147.07	0.00	0.00000	1.00000	38.36
67.5	55,147.07	0.00	0.00000	1.00000	38.36
68.5	12,098.00	645.00	0.05331	0.94669	38.36
69.5	11,453.00	0.00	0.00000	1.00000	36.31
70.5	11,453.00	0.00	0.00000	1.00000	36.31
71.5	11,453.00	5,102.00	0.44547	0.55453	36.31
72.5	6,351.00	0.00	0.00000	1.00000	20.14
73.5	6,351.00	0.00	0.00000	1.00000	20.14
74.5	6,351.00	0.00	0.00000	1.00000	20.14
75.5	6,351.00	182.00	0.02866	0.97134	20.14
76.5	6,169.00	0.00	0.00000	1.00000	19.56
77.5	6,169.00	0.00	0.00000	1.00000	19.56
78.5	6,169.00	0.00	0.00000	1.00000	19.56
79.5	6,169.00	0.00	0.00000	1.00000	19.56
80.5	6,169.00	0.00	0.00000	1.00000	19.56
81.5	6,169.00	0.00	0.00000	1.00000	19.56
82.5	6,169.00	0.00	0.00000	1.00000	19.56
83.5	6,169.00	0.00	0.00000	1.00000	19.56
84.5	6,169.00	6,169.00	1.00000	0.00000	19.56
85.5	0.00	0.00	0.00000	1.00000	0.00

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1929 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	77,087,744.86	112.84	0.00000	1.00000	100.00
0.5	74,713,501.90	3,469.56	0.00005	0.99995	100.00
1.5	69,489,743.69	22,255.33	0.00032	0.99968	100.00
2.5	57,683,061.21	135,168.56	0.00234	0.99766	99.96
3.5	50,192,166.26	535,210.50	0.01066	0.98934	99.73
4.5	47,591,984.76	3,390.49	0.00007	0.99993	98.67
5.5	44,470,388.01	462,832.50	0.01041	0.98959	98.66
6.5	28,791,106.54	562,085.76	0.01952	0.98048	97.63
7.5	27,149,716.04	15,231.56	0.00056	0.99944	95.73
8.5	24,013,076.98	117,120.51	0.00488	0.99512	95.67
9.5	21,244,245.48	44,545.22	0.00210	0.99790	95.21
10.5	16,357,352.07	7,616.49	0.00047	0.99953	95.01
11.5	12,439,481.68	19,439.32	0.00156	0.99844	94.96
12.5	8,890,792.37	38,374.21	0.00432	0.99568	94.81
13.5	6,885,702.34	20,010.28	0.00291	0.99709	94.40
14.5	6,856,146.50	17,192.77	0.00251	0.99749	94.13
15.5	6,843,932.62	11,469.76	0.00168	0.99832	93.89
16.5	6,782,339.97	10,252.67	0.00151	0.99849	93.73
17.5	6,576,691.01	103,479.02	0.01573	0.98427	93.59
18.5	6,373,831.68	7,195.52	0.00113	0.99887	92.12
19.5	4,463,605.45	114,469.89	0.02565	0.97435	92.02
20.5	4,131,729.26	22,397.42	0.00542	0.99458	89.66
21.5	4,109,331.84	3,574.61	0.00087	0.99913	89.17
22.5	4,106,326.69	2,463.64	0.00060	0.99940	89.09
23.5	4,100,362.76	63,158.69	0.01540	0.98460	89.04
24.5	4,004,798.05	3,700.60	0.00092	0.99908	87.67
25.5	3,947,419.15	1,227.80	0.00031	0.99969	87.59
26.5	3,919,918.53	16,337.09	0.00417	0.99583	87.56
27.5	3,873,408.88	16,488.84	0.00426	0.99574	87.19
28.5	2,607,535.40	268.04	0.00010	0.99990	86.82
29.5	2,607,267.36	95,718.53	0.03671	0.96329	86.81
30.5	2,495,732.52	38,849.95	0.01557	0.98443	83.63
31.5	2,470,717.15	182,929.86	0.07404	0.92596	82.33
32.5	2,191,447.19	45,757.07	0.02088	0.97912	76.23
33.5	1,894,202.58	6,659.21	0.00352	0.99648	74.64
34.5	1,885,330.98	277,918.62	0.14741	0.85259	74.38
35.5	1,607,412.36	108,023.87	0.06720	0.93280	63.41
36.5	1,499,388.49	69,210.56	0.04616	0.95384	59.15
37.5	1,150,021.46	30,207.83	0.02627	0.97373	56.42
38.5	914,032.69	9,945.01	0.01088	0.98912	54.94
39.5	818,813.68	10,391.54	0.01269	0.98731	54.34
40.5	597,746.39	2,691.19	0.00450	0.99550	53.65
41.5	526,340.69	14,000.29	0.02660	0.97340	53.41
42.5	498,442.73	12,753.16	0.02559	0.97441	51.99
43.5	131,460.52	324.04	0.00246	0.99754	50.66
44.5	76,344.46	7,567.86	0.09913	0.90087	50.53
45.5	68,776.60	1,484.16	0.02158	0.97842	45.52
46.5	67,292.44	863.92	0.01284	0.98716	44.54
47.5	66,428.52	231.44	0.00348	0.99652	43.97
48.5	66,197.08	6.30	0.00010	0.99990	43.82
49.5	66,190.78	4.19	0.00006	0.99994	43.81
50.5	66,186.59	0.58	0.00001	0.99999	43.81
51.5	66,186.01	0.01	0.00000	1.00000	43.81
52.5	66,186.00	0.00	0.00000	1.00000	43.81

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1929 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	66,186.00	0.00	0.00000	1.00000	43.81
54.5	66,186.00	0.00	0.00000	1.00000	43.81
55.5	66,186.00	0.00	0.00000	1.00000	43.81
56.5	66,186.00	0.00	0.00000	1.00000	43.81
57.5	66,186.00	7,116.65	0.10753	0.89247	43.81
58.5	58,672.35	0.00	0.00000	1.00000	39.10
59.5	58,672.35	0.00	0.00000	1.00000	39.10
60.5	58,672.35	271.00	0.00462	0.99538	39.10
61.5	58,401.35	317.93	0.00544	0.99456	38.92
62.5	58,083.42	439.95	0.00757	0.99243	38.71
63.5	55,496.47	0.00	0.00000	1.00000	38.41
64.5	55,496.47	0.00	0.00000	1.00000	38.41
65.5	55,496.47	0.00	0.00000	1.00000	38.41
66.5	55,147.07	0.00	0.00000	1.00000	38.41
67.5	55,147.07	0.00	0.00000	1.00000	38.41
68.5	12,098.00	645.00	0.05331	0.94669	38.41
69.5	11,453.00	0.00	0.00000	1.00000	36.37
70.5	11,453.00	0.00	0.00000	1.00000	36.37
71.5	11,453.00	5,102.00	0.44547	0.55453	36.37
72.5	6,351.00	0.00	0.00000	1.00000	20.17
73.5	6,351.00	0.00	0.00000	1.00000	20.17
74.5	6,351.00	0.00	0.00000	1.00000	20.17
75.5	6,351.00	182.00	0.02866	0.97134	20.17
76.5	6,169.00	0.00	0.00000	1.00000	19.59
77.5	6,169.00	0.00	0.00000	1.00000	19.59
78.5	6,169.00	0.00	0.00000	1.00000	19.59
79.5	6,169.00	0.00	0.00000	1.00000	19.59
80.5	6,169.00	0.00	0.00000	1.00000	19.59
81.5	6,169.00	0.00	0.00000	1.00000	19.59
82.5	6,169.00	0.00	0.00000	1.00000	19.59
83.5	6,169.00	0.00	0.00000	1.00000	19.59
84.5	6,169.00	6,169.00	1.00000	0.00000	19.59
85.5	0.00	0.00	0.00000	1.00000	0.00

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1929 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	75,061,099.62	8.91	0.00000	1.00000	100.00
0.5	72,702,838.06	17.33	0.00000	1.00000	100.00
1.5	67,482,532.08	21,813.27	0.00032	0.99968	100.00
2.5	55,856,729.81	134,989.34	0.00242	0.99758	99.97
3.5	48,592,031.46	534,345.48	0.01100	0.98900	99.73
4.5	46,030,327.34	1,646.04	0.00004	0.99996	98.63
5.5	42,910,475.04	460,438.83	0.01073	0.98927	98.63
6.5	27,223,294.48	557,632.32	0.02048	0.97952	97.57
7.5	25,875,629.68	11,679.24	0.00045	0.99955	95.57
8.5	22,144,721.33	112,807.23	0.00509	0.99491	95.53
9.5	19,464,819.98	34,336.27	0.00176	0.99824	95.04
10.5	14,812,993.20	324.65	0.00002	0.99998	94.87
11.5	10,859,452.71	3,715.82	0.00034	0.99966	94.87
12.5	7,342,251.28	29,430.73	0.00401	0.99599	94.84
13.5	5,804,383.31	14,911.43	0.00257	0.99743	94.46
14.5	5,843,238.26	12,719.01	0.00218	0.99782	94.22
15.5	5,830,519.25	5,148.52	0.00088	0.99912	94.01
16.5	5,785,378.80	8,878.24	0.00153	0.99847	93.93
17.5	5,581,104.27	102,652.98	0.01839	0.98161	93.78
18.5	5,357,903.08	4,731.68	0.00088	0.99912	92.06
19.5	3,450,105.97	113,907.24	0.03302	0.96698	91.98
20.5	3,118,792.43	22,275.74	0.00714	0.99286	88.94
21.5	3,096,516.69	0.00	0.00000	1.00000	88.31
22.5	3,096,516.69	973.77	0.00031	0.99969	88.31
23.5	3,092,042.63	0.00	0.00000	1.00000	88.28
24.5	3,059,634.64	0.00	0.00000	1.00000	88.28
25.5	3,005,956.34	0.00	0.00000	1.00000	88.28
26.5	2,979,683.52	0.00	0.00000	1.00000	88.28
27.5	2,949,510.96	0.00	0.00000	1.00000	88.28
28.5	1,700,995.02	0.00	0.00000	1.00000	88.28
29.5	1,700,995.02	0.00	0.00000	1.00000	88.28
30.5	1,685,178.71	21,242.45	0.01261	0.98739	88.28
31.5	1,663,936.26	8,276.00	0.00497	0.99503	87.17
32.5	1,559,320.16	279.31	0.00018	0.99982	86.73
33.5	1,312,051.42	0.00	0.00000	1.00000	86.72
34.5	1,309,839.03	192.39	0.00015	0.99985	86.72
35.5	1,309,646.64	17,540.11	0.01339	0.98661	86.70
36.5	1,293,043.38	0.00	0.00000	1.00000	85.54
37.5	1,012,886.91	1,542.13	0.00152	0.99848	85.54
38.5	866,598.50	0.00	0.00000	1.00000	85.41
39.5	781,676.83	1,188.18	0.00152	0.99848	85.41
40.5	569,812.90	2,531.89	0.00444	0.99556	85.28
41.5	506,905.74	11,031.39	0.02176	0.97824	84.90
42.5	481,976.68	12,253.25	0.02542	0.97458	83.06
43.5	115,494.38	57.15	0.00049	0.99951	80.94
44.5	60,645.21	5,537.79	0.09131	0.90869	80.91
45.5	55,755.58	787.98	0.01413	0.98587	73.52
46.5	54,967.60	0.00	0.00000	1.00000	72.48
47.5	54,967.60	231.44	0.00421	0.99579	72.48
48.5	59,838.16	0.00	0.00000	1.00000	72.17
49.5	59,838.16	3.15	0.00005	0.99995	72.17
50.5	59,835.01	0.00	0.00000	1.00000	72.17
51.5	59,835.01	0.01	0.00000	1.00000	72.17
52.5	60,017.00	0.00	0.00000	1.00000	72.17

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1929 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	60,017.00	0.00	0.00000	1.00000	72.17
54.5	60,017.00	0.00	0.00000	1.00000	72.17
55.5	60,017.00	0.00	0.00000	1.00000	72.17
56.5	60,017.00	0.00	0.00000	1.00000	72.17
57.5	60,017.00	7,116.65	0.11858	0.88142	72.17
58.5	52,503.35	0.00	0.00000	1.00000	63.61
59.5	52,503.35	0.00	0.00000	1.00000	63.61
60.5	52,503.35	271.00	0.00516	0.99484	63.61
61.5	58,401.35	317.93	0.00544	0.99456	63.28
62.5	58,083.42	439.95	0.00757	0.99243	62.94
63.5	55,496.47	0.00	0.00000	1.00000	62.46
64.5	55,496.47	0.00	0.00000	1.00000	62.46
65.5	55,496.47	0.00	0.00000	1.00000	62.46
66.5	55,147.07	0.00	0.00000	1.00000	62.46
67.5	55,147.07	0.00	0.00000	1.00000	62.46
68.5	12,098.00	645.00	0.05331	0.94669	62.46
69.5	11,453.00	0.00	0.00000	1.00000	59.13
70.5	11,453.00	0.00	0.00000	1.00000	59.13
71.5	11,453.00	5,102.00	0.44547	0.55453	59.13
72.5	6,351.00	0.00	0.00000	1.00000	32.79
73.5	6,351.00	0.00	0.00000	1.00000	32.79
74.5	6,351.00	0.00	0.00000	1.00000	32.79
75.5	6,351.00	182.00	0.02866	0.97134	32.79
76.5	6,169.00	0.00	0.00000	1.00000	31.85
77.5	6,169.00	0.00	0.00000	1.00000	31.85
78.5	6,169.00	0.00	0.00000	1.00000	31.85
79.5	6,169.00	0.00	0.00000	1.00000	31.85
80.5	6,169.00	0.00	0.00000	1.00000	31.85
81.5	6,169.00	0.00	0.00000	1.00000	31.85
82.5	6,169.00	0.00	0.00000	1.00000	31.85
83.5	6,169.00	0.00	0.00000	1.00000	31.85
84.5	6,169.00	6,169.00	1.00000	0.00000	31.85
85.5	0.00	0.00	0.00000	1.00000	0.00

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1961 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	71,017,842.34	0.00	0.00000	1.00000	100.00
0.5	68,643,709.23	0.00	0.00000	1.00000	100.00
1.5	63,579,405.76	21,777.02	0.00034	0.99966	100.00
2.5	51,993,745.86	134,105.01	0.00258	0.99742	99.97
3.5	44,596,317.01	534,318.31	0.01198	0.98802	99.71
4.5	43,900,196.28	0.00	0.00000	1.00000	98.51
5.5	40,999,396.32	460,438.83	0.01123	0.98877	98.51
6.5	25,312,215.76	557,066.11	0.02201	0.97799	97.41
7.5	23,675,844.91	10,657.89	0.00045	0.99955	95.26
8.5	19,718,103.59	111,726.93	0.00567	0.99433	95.22
9.5	16,983,545.30	32,682.12	0.00192	0.99808	94.68
10.5	12,162,193.29	0.00	0.00000	1.00000	94.50
11.5	8,160,754.36	0.00	0.00000	1.00000	94.50
12.5	4,661,676.93	25,148.62	0.00539	0.99461	94.50
13.5	3,919,197.13	7,597.07	0.00194	0.99806	93.99
14.5	3,902,052.54	596.65	0.00015	0.99985	93.81
15.5	3,917,272.20	0.00	0.00000	1.00000	93.79
16.5	3,867,149.31	103.15	0.00003	0.99997	93.79
17.5	3,850,689.33	0.00	0.00000	1.00000	93.79
18.5	3,981,628.66	0.00	0.00000	1.00000	93.79
19.5	2,080,775.62	85,321.91	0.04100	0.95900	93.79
20.5	1,778,047.41	16,774.47	0.00943	0.99057	89.95
21.5	1,761,272.94	0.00	0.00000	1.00000	89.10
22.5	2,041,429.41	0.00	0.00000	1.00000	89.10
23.5	2,243,710.06	0.00	0.00000	1.00000	89.10
24.5	2,296,576.07	0.00	0.00000	1.00000	89.10
25.5	2,453,573.52	0.00	0.00000	1.00000	89.10
26.5	2,496,015.21	0.00	0.00000	1.00000	89.10
27.5	2,480,119.52	0.00	0.00000	1.00000	89.10
28.5	1,637,058.30	0.00	0.00000	1.00000	89.10
29.5	1,691,850.32	0.00	0.00000	1.00000	89.10
30.5	1,676,034.01	21,242.45	0.01267	0.98733	89.10
31.5	1,663,067.56	8,276.00	0.00498	0.99502	87.97
32.5	1,558,451.46	0.00	0.00000	1.00000	87.53
33.5	1,306,963.92	0.00	0.00000	1.00000	87.53
34.5	1,304,751.53	0.00	0.00000	1.00000	87.53
35.5	1,304,751.53	17,540.11	0.01344	0.98656	87.53
36.5	1,287,211.42	0.00	0.00000	1.00000	86.35
37.5	1,007,054.95	0.00	0.00000	1.00000	86.35
38.5	801,274.01	0.00	0.00000	1.00000	86.35
39.5	716,000.01	379.20	0.00053	0.99947	86.35
40.5	504,945.06	2,280.42	0.00452	0.99548	86.31
41.5	433,950.13	11,031.39	0.02542	0.97458	85.92
42.5	409,021.07	0.00	0.00000	1.00000	83.73
43.5	55,189.02	0.00	0.00000	1.00000	83.73
44.5	397.00	0.00	0.00000	1.00000	83.73
45.5	397.00	0.00	0.00000	1.00000	83.73
46.5	397.00	0.00	0.00000	1.00000	83.73
47.5	397.00	0.00	0.00000	1.00000	83.73
48.5	397.00	0.00	0.00000	1.00000	83.73
49.5	397.00	0.00	0.00000	1.00000	83.73
50.5	397.00	0.00	0.00000	1.00000	83.73
51.5	397.00	0.00	0.00000	1.00000	83.73
52.5	397.00	0.00	0.00000	1.00000	83.73

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1961 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	397.00	0.00	0.00000	1.00000	83.73
54.5	397.00	0.00	0.00000	1.00000	83.73
55.5	397.00	0.00	0.00000	1.00000	83.73
56.5	397.00	0.00	0.00000	1.00000	83.73
57.5	397.00	0.00	0.00000	1.00000	83.73
58.5	0.00	0.00	0.00000	1.00000	83.73

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	77,087,744.86	112.84	0.00000	1.00000	100.00
0.5	74,713,498.91	3,469.56	0.00005	0.99995	100.00
1.5	69,489,740.70	22,255.33	0.00032	0.99968	100.00
2.5	57,683,057.58	135,168.56	0.00234	0.99766	99.96
3.5	50,164,016.97	535,204.03	0.01067	0.98933	99.73
4.5	47,563,841.94	3,382.69	0.00007	0.99993	98.67
5.5	44,442,252.99	462,832.50	0.01041	0.98959	98.66
6.5	28,752,678.76	562,061.03	0.01955	0.98045	97.63
7.5	27,111,312.99	15,176.40	0.00056	0.99944	95.72
8.5	23,119,640.54	116,014.07	0.00502	0.99498	95.67
9.5	20,346,708.71	43,291.48	0.00213	0.99787	95.19
10.5	15,461,069.04	7,520.93	0.00049	0.99951	94.99
11.5	11,425,836.36	16,638.82	0.00146	0.99854	94.94
12.5	7,879,947.55	31,974.66	0.00406	0.99594	94.80
13.5	5,881,257.07	15,214.76	0.00259	0.99741	94.41
14.5	5,856,494.79	13,332.05	0.00228	0.99772	94.17
15.5	5,843,162.74	5,148.75	0.00088	0.99912	93.95
16.5	5,787,891.10	8,878.24	0.00153	0.99847	93.87
17.5	5,583,616.57	102,663.39	0.01839	0.98161	93.73
18.5	5,360,404.97	4,731.68	0.00088	0.99912	92.00
19.5	3,452,607.86	113,983.62	0.03301	0.96699	91.92
20.5	3,121,217.94	22,284.93	0.00714	0.99286	88.89
21.5	3,098,933.01	205.76	0.00007	0.99993	88.25
22.5	3,098,727.25	1,006.74	0.00032	0.99968	88.25
23.5	3,094,220.22	0.00	0.00000	1.00000	88.22
24.5	3,061,812.23	605.93	0.00020	0.99980	88.22
25.5	3,007,528.00	303.03	0.00010	0.99990	88.20
26.5	2,980,952.15	399.93	0.00013	0.99987	88.19
27.5	2,950,379.66	0.00	0.00000	1.00000	88.18
28.5	1,700,995.02	0.00	0.00000	1.00000	88.18
29.5	1,700,995.02	0.00	0.00000	1.00000	88.18
30.5	1,685,178.71	21,242.45	0.01261	0.98739	88.18
31.5	1,663,936.26	8,276.00	0.00497	0.99503	87.07
32.5	1,559,320.16	279.31	0.00018	0.99982	86.64
33.5	1,307,553.31	0.00	0.00000	1.00000	86.62
34.5	1,305,340.92	192.39	0.00015	0.99985	86.62
35.5	1,305,148.53	17,540.11	0.01344	0.98656	86.61
36.5	1,287,608.42	0.00	0.00000	1.00000	85.44
37.5	1,007,451.95	0.00	0.00000	1.00000	85.44
38.5	801,671.01	0.00	0.00000	1.00000	85.44
39.5	716,397.01	379.20	0.00053	0.99947	85.44
40.5	505,342.06	2,280.42	0.00451	0.99549	85.40
41.5	434,347.13	11,031.39	0.02540	0.97460	85.01
42.5	409,418.07	0.00	0.00000	1.00000	82.85
43.5	55,189.02	0.00	0.00000	1.00000	82.85
44.5	397.00	0.00	0.00000	1.00000	82.85
45.5	397.00	0.00	0.00000	1.00000	82.85
46.5	397.00	0.00	0.00000	1.00000	82.85
47.5	397.00	0.00	0.00000	1.00000	82.85
48.5	397.00	0.00	0.00000	1.00000	82.85
49.5	397.00	0.00	0.00000	1.00000	82.85
50.5	397.00	0.00	0.00000	1.00000	82.85
51.5	397.00	0.00	0.00000	1.00000	82.85
52.5	397.00	0.00	0.00000	1.00000	82.85

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	397.00	0.00	0.00000	1.00000	82.85
54.5	397.00	0.00	0.00000	1.00000	82.85
55.5	397.00	0.00	0.00000	1.00000	82.85
56.5	397.00	0.00	0.00000	1.00000	82.85
57.5	397.00	0.00	0.00000	1.00000	82.85
58.5	0.00	0.00	0.00000	1.00000	82.85

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	75,061,099.62	8.91	0.00000	1.00000	100.00
0.5	72,702,838.06	17.33	0.00000	1.00000	100.00
1.5	67,482,532.08	21,813.27	0.00032	0.99968	100.00
2.5	55,856,729.81	134,989.34	0.00242	0.99758	99.97
3.5	48,592,031.46	534,345.48	0.01100	0.98900	99.73
4.5	46,030,327.34	1,646.04	0.00004	0.99996	98.63
5.5	42,910,475.04	460,438.83	0.01073	0.98927	98.63
6.5	27,223,294.48	557,632.32	0.02048	0.97952	97.57
7.5	25,875,629.68	11,679.24	0.00045	0.99955	95.57
8.5	22,144,721.33	112,807.23	0.00509	0.99491	95.53
9.5	19,464,819.98	34,336.27	0.00176	0.99824	95.04
10.5	14,812,993.20	324.65	0.00002	0.99998	94.87
11.5	10,859,452.71	3,715.82	0.00034	0.99966	94.87
12.5	7,342,251.28	29,430.73	0.00401	0.99599	94.84
13.5	5,804,383.31	14,911.43	0.00257	0.99743	94.46
14.5	5,843,238.26	12,719.01	0.00218	0.99782	94.22
15.5	5,830,519.25	5,148.52	0.00088	0.99912	94.01
16.5	5,785,378.80	8,878.24	0.00153	0.99847	93.93
17.5	5,581,104.27	102,652.98	0.01839	0.98161	93.78
18.5	5,357,903.08	4,731.68	0.00088	0.99912	92.06
19.5	3,450,105.97	113,907.24	0.03302	0.96698	91.98
20.5	3,118,792.43	22,275.74	0.00714	0.99286	88.94
21.5	3,096,516.69	0.00	0.00000	1.00000	88.31
22.5	3,096,516.69	973.77	0.00031	0.99969	88.31
23.5	3,092,042.63	0.00	0.00000	1.00000	88.28
24.5	3,059,634.64	0.00	0.00000	1.00000	88.28
25.5	3,005,956.34	0.00	0.00000	1.00000	88.28
26.5	2,979,683.52	0.00	0.00000	1.00000	88.28
27.5	2,949,510.96	0.00	0.00000	1.00000	88.28
28.5	1,700,995.02	0.00	0.00000	1.00000	88.28
29.5	1,700,995.02	0.00	0.00000	1.00000	88.28
30.5	1,685,178.71	21,242.45	0.01261	0.98739	88.28
31.5	1,663,936.26	8,276.00	0.00497	0.99503	87.17
32.5	1,559,320.16	279.31	0.00018	0.99982	86.73
33.5	1,307,553.31	0.00	0.00000	1.00000	86.72
34.5	1,305,340.92	192.39	0.00015	0.99985	86.72
35.5	1,305,148.53	17,540.11	0.01344	0.98656	86.70
36.5	1,287,608.42	0.00	0.00000	1.00000	85.54
37.5	1,007,451.95	0.00	0.00000	1.00000	85.54
38.5	801,671.01	0.00	0.00000	1.00000	85.54
39.5	716,397.01	379.20	0.00053	0.99947	85.54
40.5	505,342.06	2,280.42	0.00451	0.99549	85.49
41.5	434,347.13	11,031.39	0.02540	0.97460	85.11
42.5	409,418.07	0.00	0.00000	1.00000	82.95
43.5	55,189.02	0.00	0.00000	1.00000	82.95
44.5	397.00	0.00	0.00000	1.00000	82.95
45.5	397.00	0.00	0.00000	1.00000	82.95
46.5	397.00	0.00	0.00000	1.00000	82.95
47.5	397.00	0.00	0.00000	1.00000	82.95
48.5	397.00	0.00	0.00000	1.00000	82.95
49.5	397.00	0.00	0.00000	1.00000	82.95
50.5	397.00	0.00	0.00000	1.00000	82.95
51.5	397.00	0.00	0.00000	1.00000	82.95
52.5	397.00	0.00	0.00000	1.00000	82.95

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eq

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	397.00	0.00	0.00000	1.00000	82.95
54.5	397.00	0.00	0.00000	1.00000	82.95
55.5	397.00	0.00	0.00000	1.00000	82.95
56.5	397.00	0.00	0.00000	1.00000	82.95
57.5	397.00	0.00	0.00000	1.00000	82.95
58.5	0.00	0.00	0.00000	1.00000	82.95

Scenario: So Cal Gas Actuarial @ 2020

Account: 357x-Other Eqt

Placement Band: 1991 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	75,061,099.62	8.91	0.00000	1.00000	100.00
0.5	72,686,957.60	17.33	0.00000	1.00000	100.00
1.5	67,466,651.62	21,813.27	0.00032	0.99968	100.00
2.5	55,660,410.56	134,989.34	0.00243	0.99757	99.97
3.5	48,141,549.17	534,345.48	0.01110	0.98890	99.73
4.5	45,542,232.69	1,622.77	0.00004	0.99996	98.62
5.5	42,422,403.66	460,438.83	0.01085	0.98915	98.61
6.5	26,735,223.10	557,066.11	0.02084	0.97916	97.54
7.5	25,098,852.25	10,657.89	0.00042	0.99958	95.51
8.5	21,111,698.31	111,726.93	0.00529	0.99471	95.47
9.5	18,343,053.62	32,682.12	0.00178	0.99822	94.97
10.5	13,468,023.31	0.00	0.00000	1.00000	94.80
11.5	9,440,311.56	0.00	0.00000	1.00000	94.80
12.5	5,911,061.57	25,148.62	0.00425	0.99575	94.80
13.5	3,919,197.13	7,597.07	0.00194	0.99806	94.39
14.5	3,902,052.54	596.65	0.00015	0.99985	94.21
15.5	3,901,455.89	0.00	0.00000	1.00000	94.20
16.5	3,851,333.00	103.15	0.00003	0.99997	94.20
17.5	3,655,833.56	0.00	0.00000	1.00000	94.19
18.5	3,535,285.35	0.00	0.00000	1.00000	94.19
19.5	1,632,219.92	2,622.55	0.00161	0.99839	94.19
20.5	1,412,191.07	16,774.47	0.01188	0.98812	94.04
21.5	1,395,416.60	0.00	0.00000	1.00000	92.93
22.5	1,395,416.60	0.00	0.00000	1.00000	92.93
23.5	1,391,916.31	0.00	0.00000	1.00000	92.93
24.5	1,359,508.32	0.00	0.00000	1.00000	92.93
25.5	1,305,830.02	0.00	0.00000	1.00000	92.93
26.5	1,279,557.20	0.00	0.00000	1.00000	92.93
27.5	1,249,384.64	0.00	0.00000	1.00000	92.93
28.5	0.00	0.00	0.00000	1.00000	92.93

Actuarial Life Analysis

Account: 357x-Other Eq
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1929 - 1951
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -1951		1.00			
1948 -1952		1.00			
1949 -1953		1.00			
1950 -1954		1.00			
1951 -1955		1.00			
1952 -1956	27.5	73.74	0.02169512	L3	39.02
1953 -1957	28.5	63.94	0.03462781	L3	35.71
1954 -1958	29.5	63.34	0.03917815	L2.5	37.76
1955 -1959	30.5	50.66	0.03195672	R3	31.22
1956 -1960	31.5	48.86	0.03108093	R4	29.87
1957 -1961	32.5	55.96	0.02118231	S2.5	34.88
1958 -1962	33.5	55.67	0.02384306	R3	35.66
1959 -1963	34.5	58.08	0.02626764	L3	38.78
1960 -1964	35.5	59.36	0.01508702	L2.5	43.64
1961 -1965	36.5	46.31	0.01797852	R3	36.39
1962 -1966	37.5	41.21	0.02745498	S2	36.97
1963 -1967	38.5	39.32	0.04101104	S2	36.07
1964 -1968	39.5	35.19	0.03393154	S2	35.52
1965 -1969	40.5	44.48	0.03566359	S2	39.00
1966 -1970	41.5	61.66	0.02107060	R3	43.16
1967 -1971	42.5	77.58	0.01013631	L2.5	58.92
1968 -1972	43.5	89.66	0.00505624	L2.5	78.45
1969 -1973		1.00			
1970 -1974	45.5	96.95	0.00034292	L2	133.62
1971 -1975	46.5	96.92	0.00038350	L2	133.60
1972 -1976	47.5	49.14	0.07295612	L2	46.95
1973 -1977	48.5	49.01	0.08267262	L2	47.16
1974 -1978	49.5	0.00	0.00023209	SQ	8.01
1975 -1979	50.5	0.00	0.00020412	SQ	8.01
1976 -1980	51.5	0.00	0.00017308	SQ	8.01
1977 -1981	52.5	0.00	0.00009368	SQ	8.02
1978 -1982	53.5	0.00	0.01722687	SQ	13.70
1979 -1983	54.5	43.33	0.12080212	L2	47.93
1980 -1984	55.5	11.60	0.12020668	L3	33.84
1981 -1985	56.5	11.56	0.11354563	L3	34.02
1982 -1986	57.5	10.66	0.13114286	L3	33.67
1983 -1987	58.5	1.68	0.05798031	L4	28.47
1984 -1988	59.5	0.62	0.08429633	R4	26.81
1985 -1989	60.5	0.11	0.13193544	R4	25.79
1986 -1990	61.5	0.09	0.11451048	R4	26.48
1987 -1991	62.5	0.08	0.10456824	R5	27.02
1988 -1992	63.5	1.91	0.09957216	L5	30.10
1989 -1993	64.5	11.49	0.45701179	L3	34.96
1990 -1994		1.00			

Actuarial Life Analysis

Account: 357x-Other Eq
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1929 - 1995
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum of Squares	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1991 -1995	66.5	29.16	0.34956655	L1.5	43.79
1992 -1996	67.5	30.60	0.40289749	L1.5	45.66
1993 -1997	68.5	10.41	0.29227644	L2.5	34.36
1994 -1998	69.5	11.30	0.34713059	L3	35.66
1995 -1999	70.5	11.30	0.43511615	L3	36.82
1996 -2000	71.5	35.23	0.51802583	L1.5	49.56
1997 -2001	72.5	36.05	0.56396758	L1.5	50.79
1998 -2002	73.5	95.00	0.02204565	R1	270.68
1999 -2003	74.5	93.28	0.03917565	R0.5	270.65
2000 -2004	75.5	86.53	0.15119543	R0.5	150.23
2001 -2005	76.5	93.87	0.03456292	R1	240.44
2002 -2006	77.5	0.00	0.55476702	S6	31.00
2003 -2007	78.5	0.00	0.55476702	S6	31.00
2004 -2008	79.5	3.59	1.04971066	R1	44.34
2005 -2009	80.5	6.81	1.37641630	R2	49.19
2006 -2010	81.5	54.32	1.18014745	L0	63.91
2007 -2011	82.5	59.43	0.72858030	L0	75.91
2008 -2012	83.5	28.89	0.83549513	R1.5	59.57
2009 -2013	84.5	0.00	2.12216193	R4	55.91
2010 -2014	85.5	0.00	2.10474729	R4	56.26
2011 -2015	86.5	0.00	2.26886850	R0.5	51.98
2012 -2016	87.5	0.00	2.23650429	R3	59.76
2013 -2017	88.5	0.00	2.16119962	R5	63.39
2014 -2018	89.5	0.00	2.49069242	R3	59.75
2015 -2019	90.5	72.39	0.81202686	R0.5	90.58
2016 -2020	91.5	77.82	0.42228113	R0.5	114.80

Actuarial Life Analysis

Account: 357x-Other Eqt
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1929 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

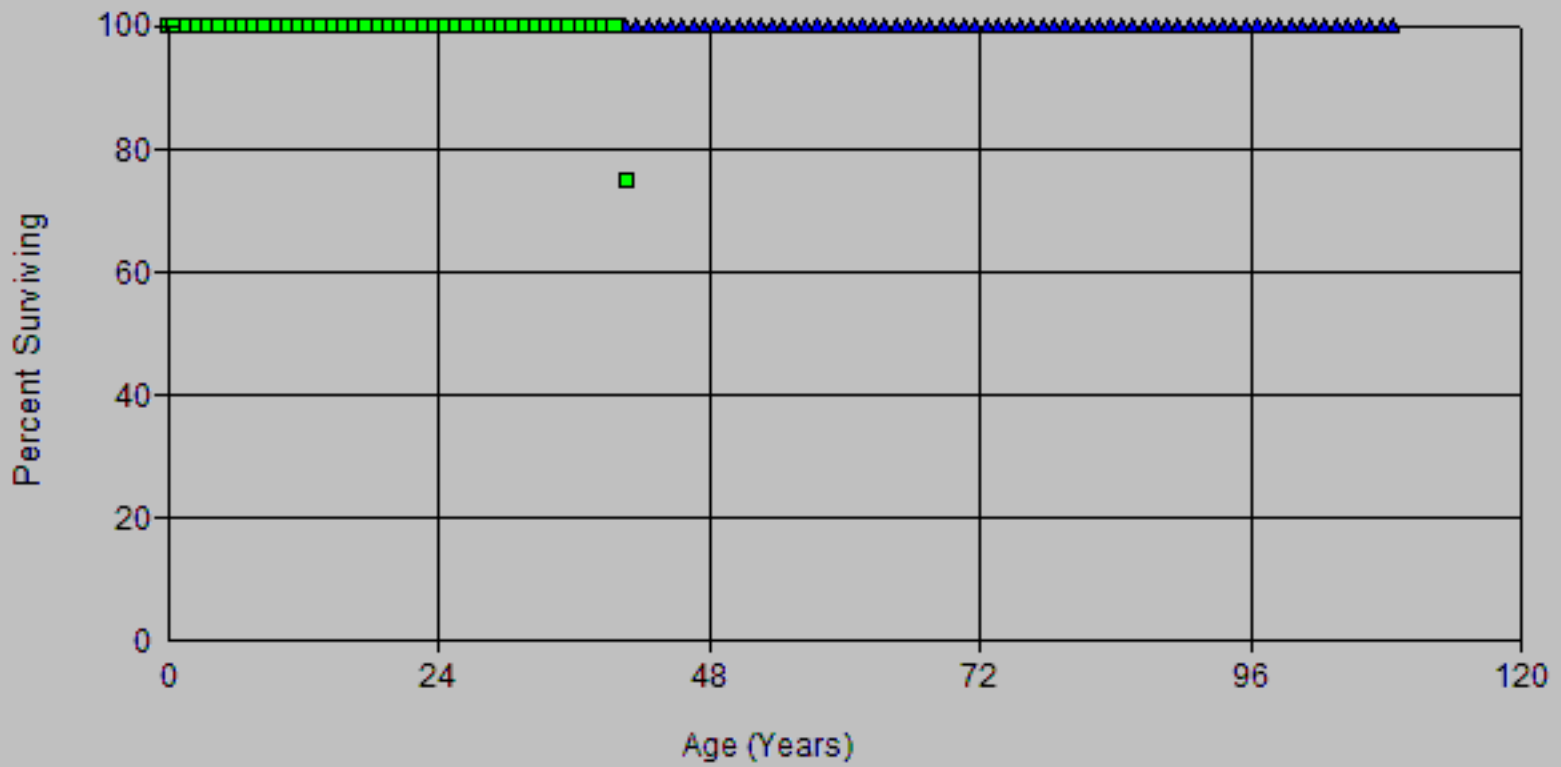
Observation Band	<u>Censoring</u>		Error Sum of Squares	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -2020	91.5	0.00	0.34086510	L1	52.34
1952 -2020	91.5	0.00	0.34057483	L1	52.33
1957 -2020	91.5	0.00	0.34092748	L1	52.35
1962 -2020	91.5	0.00	0.34062557	L1	52.35
1967 -2020	91.5	0.00	0.34170906	L1	52.53
1972 -2020	91.5	0.00	0.33911343	L1	52.35
1977 -2020	91.5	0.00	0.34146766	L1	52.61
1982 -2020	91.5	0.00	0.34364798	L1	52.53
1987 -2020	91.5	0.00	0.33198300	S0	55.00
1992 -2020	91.5	0.00	0.45024795	R2	63.89
1997 -2020	91.5	0.00	0.48119945	R2	64.74
2002 -2020	91.5	0.00	1.42794584	R3	62.30
2007 -2020	91.5	0.00	1.49332179	R3	61.99
2012 -2020	91.5	0.00	1.68028606	R5	62.86
2017 -2020	91.5	63.93	1.36059038	L0	85.84

SoCalGas
2024 GRO APP
Deprecation Workpapers

Account: 365-29-Rights-of-Way (SL)

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ SQ 40.00



Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 365.29-Rights-of-Way (SL)

Placement Band: 1912 - 2020

Observation Band: 2001 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	100,131,133.02	0.00	0.00000	1.00000	100.00
0.5	-4,444,544.51	0.00	0.00000	1.00000	100.00
1.5	-4,055,477.94	0.00	0.00000	1.00000	
2.5	-8,198,115.82	0.00	0.00000	1.00000	
3.5	-9,927,604.31	0.00	0.00000	1.00000	
4.5	-11,385,621.82	0.00	0.00000	1.00000	
5.5	-11,377,538.09	0.00	0.00000	1.00000	
6.5	-11,919,038.74	0.00	0.00000	1.00000	
7.5	-12,364,719.23	0.00	0.00000	1.00000	
8.5	-13,869,522.20	0.00	0.00000	1.00000	
9.5	-15,660,618.27	0.00	0.00000	1.00000	
10.5	-22,077,664.28	0.00	0.00000	1.00000	
11.5	-23,850,994.44	0.00	0.00000	1.00000	
12.5	-25,550,878.57	0.00	0.00000	1.00000	
13.5	-25,731,850.25	0.00	0.00000	1.00000	
14.5	-25,736,683.17	0.00	0.00000	1.00000	
15.5	-24,128,091.22	0.00	0.00000	1.00000	
16.5	-23,504,462.77	0.00	0.00000	1.00000	
17.5	-22,228,435.02	0.00	0.00000	1.00000	
18.5	-19,324,783.38	0.00	0.00000	1.00000	
19.5	-17,473,250.19	0.00	0.00000	1.00000	
20.5	-15,002,620.76	0.00	0.00000	1.00000	
21.5	-12,842,962.00	0.00	0.00000	1.00000	
22.5	-12,299,686.84	0.00	0.00000	1.00000	
23.5	-12,690,989.56	0.00	0.00000	1.00000	
24.5	-12,114,656.89	0.00	0.00000	1.00000	
25.5	-11,232,043.77	0.00	0.00000	1.00000	
26.5	-2,897,300.53	0.00	0.00000	1.00000	
27.5	-57,852.30	0.00	0.00000	1.00000	
28.5	1,867,652.20	0.00	0.00000	1.00000	
29.5	1,446,129.47	0.00	0.00000	1.00000	
30.5	-3,730,464.37	0.00	0.00000	1.00000	
31.5	-4,222,693.08	0.00	0.00000	1.00000	
32.5	-3,308,672.38	0.00	0.00000	1.00000	
33.5	-3,371,761.42	0.00	0.00000	1.00000	
34.5	-3,514,013.04	0.00	0.00000	1.00000	
35.5	-4,469,833.42	0.00	0.00000	1.00000	
36.5	-4,909,413.46	0.00	0.00000	1.00000	
37.5	-4,971,472.96	0.00	0.00000	1.00000	
38.5	-5,435,918.14	3.00	0.00000	1.00000	
39.5	-5,166,002.11	0.00	0.00000	1.00000	
40.5	-6,874,771.55	0.00	0.00000	1.00000	
41.5	-7,315,868.01	0.00	0.00000	1.00000	
42.5	-6,697,047.14	0.00	0.00000	1.00000	
43.5	-8,320,970.76	0.00	0.00000	1.00000	
44.5	-8,492,939.62	0.00	0.00000	1.00000	
45.5	-8,511,654.32	0.00	0.00000	1.00000	
46.5	-5,618,774.80	0.00	0.00000	1.00000	
47.5	-5,381,980.15	0.00	0.00000	1.00000	
48.5	-4,840,335.33	0.00	0.00000	1.00000	
49.5	-4,571,672.31	0.00	0.00000	1.00000	
50.5	-5,698,490.77	0.00	0.00000	1.00000	
51.5	-5,142,801.18	45.00	-0.00001	1.00001	
52.5	-5,271,183.37	0.00	0.00000	1.00000	

Scenario: So California Gas Actuarial @ 2020

Account: 365.29-Rights-of-Way (SL)

Placement Band: 1912 - 2020

Observation Band: 2001 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	-5,624,872.25	0.00	0.00000	1.00000	
54.5	-5,047,246.61	0.00	0.00000	1.00000	
55.5	-5,376,582.20	0.00	0.00000	1.00000	
56.5	-3,014,961.98	0.00	0.00000	1.00000	
57.5	-2,429,962.30	0.00	0.00000	1.00000	
58.5	-2,376,106.21	0.00	0.00000	1.00000	
59.5	-126,983.28	0.00	0.00000	1.00000	
60.5	-809,147.99	0.00	0.00000	1.00000	
61.5	-895,635.06	0.00	0.00000	1.00000	
62.5	-958,843.24	0.00	0.00000	1.00000	
63.5	-1,497,597.70	0.00	0.00000	1.00000	
64.5	-1,271,108.52	0.00	0.00000	1.00000	
65.5	-975,104.93	0.00	0.00000	1.00000	
66.5	-554,325.87	0.00	0.00000	1.00000	
67.5	-90,551.40	0.00	0.00000	1.00000	
68.5	-208,868.08	0.00	0.00000	1.00000	
69.5	-97,809.30	0.00	0.00000	1.00000	
70.5	-310,421.04	0.00	0.00000	1.00000	
71.5	-498,392.82	0.00	0.00000	1.00000	
72.5	-216,912.80	0.00	0.00000	1.00000	
73.5	-340,410.69	0.00	0.00000	1.00000	
74.5	-325,671.55	0.00	0.00000	1.00000	
75.5	-275,970.04	0.00	0.00000	1.00000	
76.5	-320,690.75	0.00	0.00000	1.00000	
77.5	-284,377.97	0.00	0.00000	1.00000	
78.5	-288,405.69	0.00	0.00000	1.00000	
79.5	-364,904.07	0.00	0.00000	1.00000	
80.5	-371,743.07	0.00	0.00000	1.00000	
81.5	-381,197.56	0.00	0.00000	1.00000	
82.5	-382,650.82	0.00	0.00000	1.00000	
83.5	-376,388.49	0.00	0.00000	1.00000	
84.5	-328,088.50	0.00	0.00000	1.00000	
85.5	-85,750.45	0.00	0.00000	1.00000	
86.5	73,627.70	0.00	0.00000	1.00000	
87.5	87,962.80	0.00	0.00000	1.00000	
88.5	60,108.20	0.00	0.00000	1.00000	
89.5	-20,817.87	0.00	0.00000	1.00000	
90.5	-73,970.12	0.00	0.00000	1.00000	
91.5	-79,814.94	0.00	0.00000	1.00000	
92.5	-79,826.04	0.00	0.00000	1.00000	
93.5	-79,901.04	0.00	0.00000	1.00000	
94.5	-79,902.14	0.00	0.00000	1.00000	
95.5	23,970.19	0.00	0.00000	1.00000	
96.5	23,970.19	0.00	0.00000	1.00000	
97.5	23,970.19	0.00	0.00000	1.00000	
98.5	23,970.19	0.00	0.00000	1.00000	
99.5	-10,653.92	0.00	0.00000	1.00000	
100.5	-10,653.92	0.00	0.00000	1.00000	
101.5	-10,653.92	0.00	0.00000	1.00000	
102.5	-10,653.92	0.00	0.00000	1.00000	
103.5	-10,653.92	0.00	0.00000	1.00000	
104.5	5,326.96	0.00	0.00000	1.00000	
105.5	5,326.96	0.00	0.00000	1.00000	
106.5	5,326.96	0.00	0.00000	1.00000	

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 365.29-Rights-of-Way (SL)

Placement Band: 1912 - 2020

Observation Band: 2001 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
107.5	5,326.96	0.00	0.00000	1.00000	
108.5	0.00	0.00	0.00000	0.00000	

Actuarial Life Analysis

Account: 365.29-Rights-of-Way (SL)
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1912 - 2005
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2001 -2005		1.00			
2002 -2006		1.00			
2003 -2007		1.00			
2004 -2008		1.00			
2005 -2009		1.00			
2006 -2010		1.00			
2007 -2011		1.00			
2008 -2012		1.00			
2009 -2013		1.00			
2010 -2014		1.00			
2011 -2015		1.00			
2012 -2016		1.00			
2013 -2017		1.00			
2014 -2018		1.00			
2015 -2019		1.00			
2016 -2020		1.00			

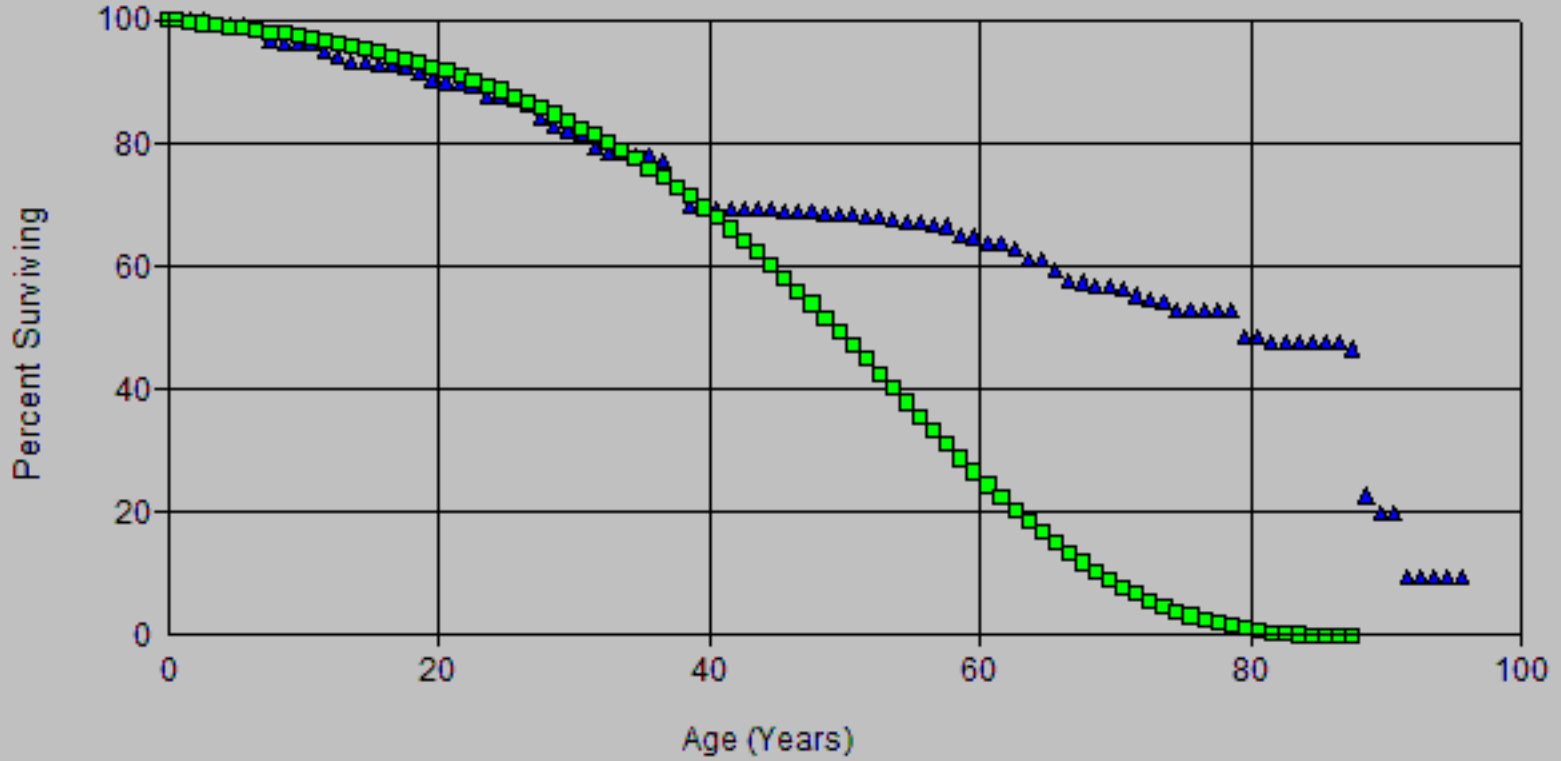
Actuarial Life Analysis

Account: 365.29-Rights-of-Way (SL)
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1912 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2001 -2020		1.00			
2006 -2020		1.00			
2011 -2020		1.00			
2016 -2020		1.00			

Account: 366x-Structures & Improvements Scenario: So California Gas Actuarial @

▲ Actual Data ■ R2 47.00

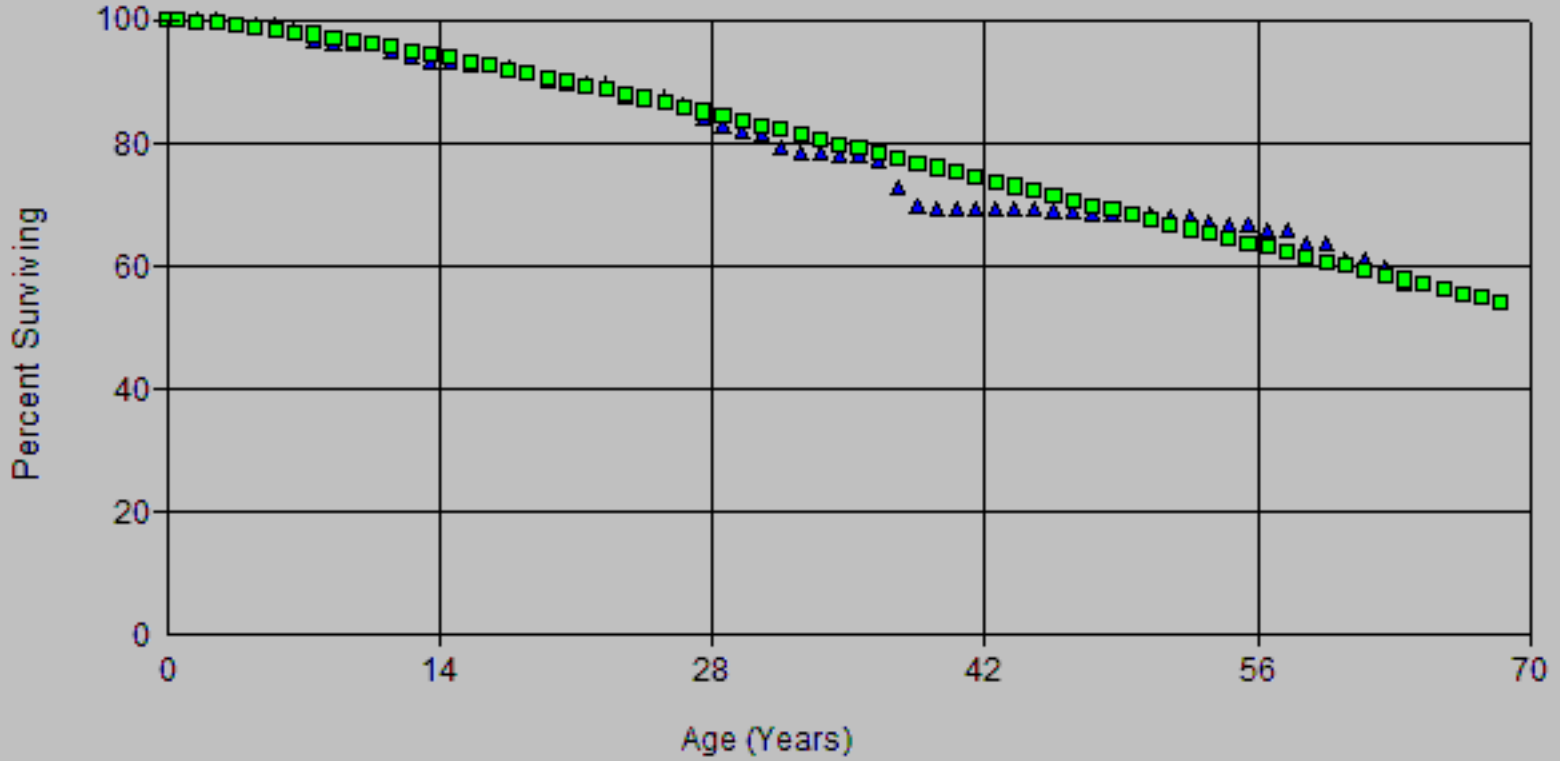


SoCalGas
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Account: 366x-Structures & Improvements

Scenario: So California Gas Actuarial @

▲ Actual Data ■ L0 81.00

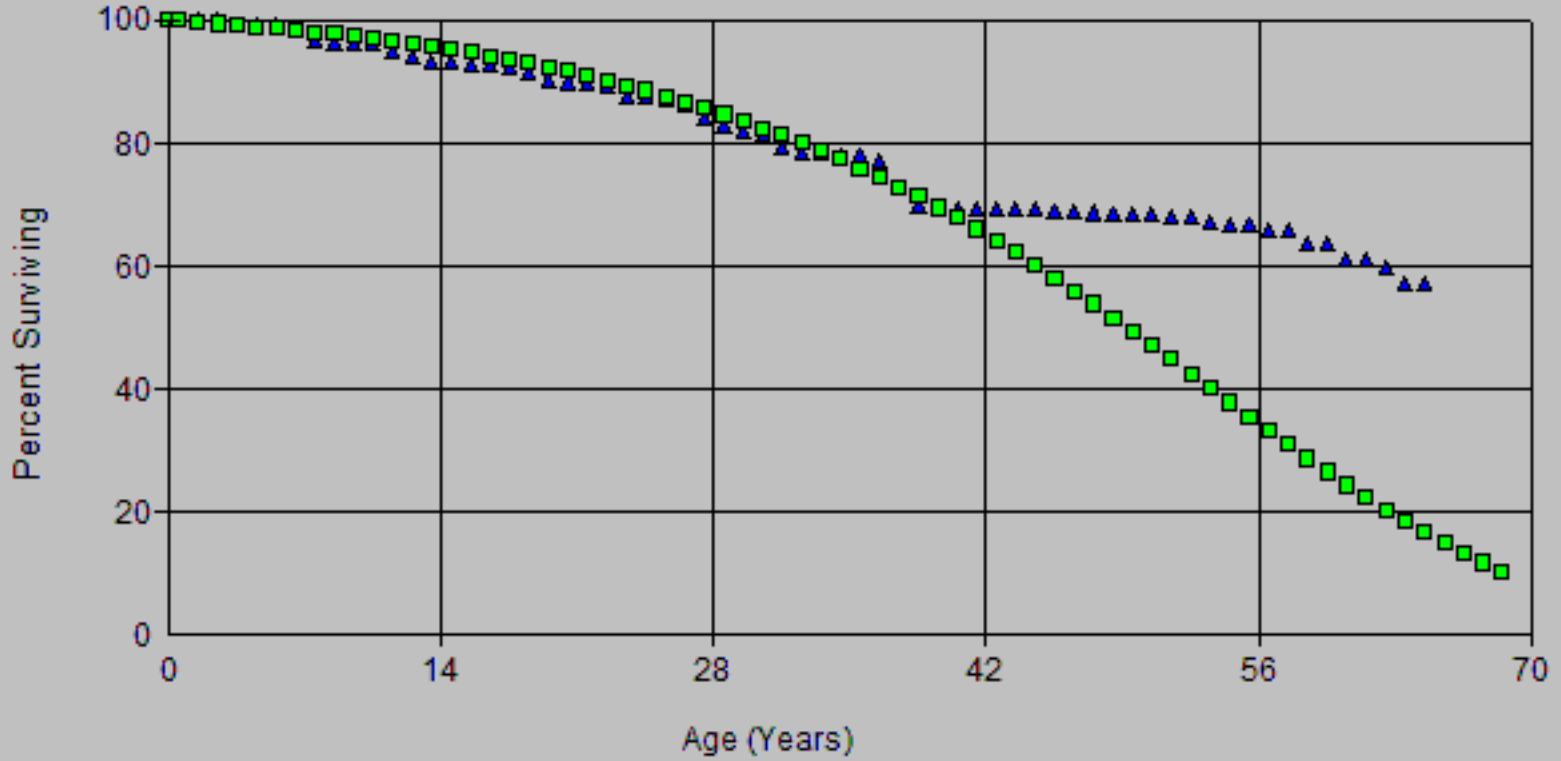


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Account: 366x-Structures & Improvements

Scenario: So California Gas Actuarial @

▲ Actual Data ■ R2 47.00

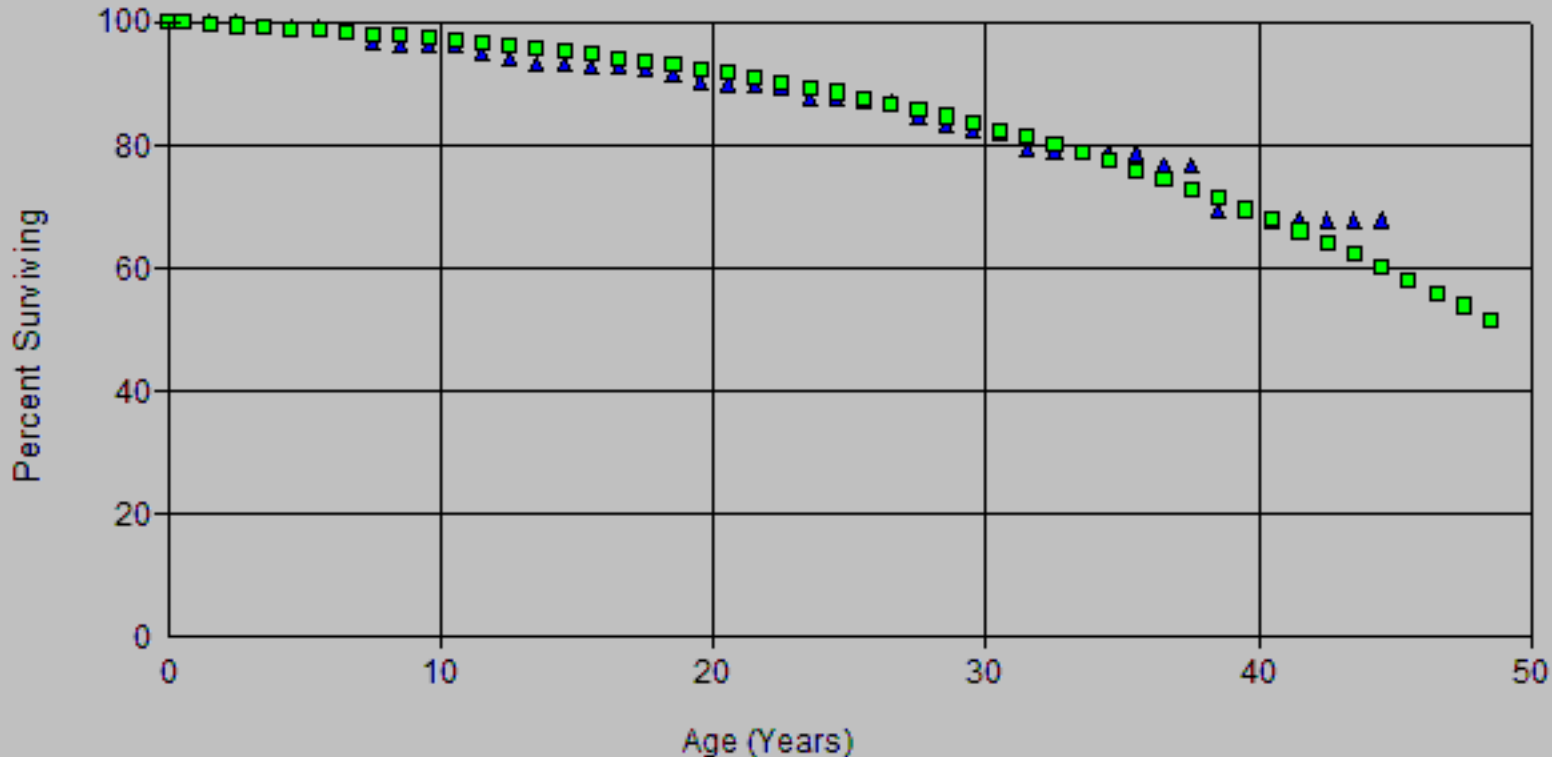


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 Depreciation Workpapers

Account: 366x-Structures & Improvements

Scenario: So California Gas Actuarial @

▲ Actual Data ■ R2 47.00

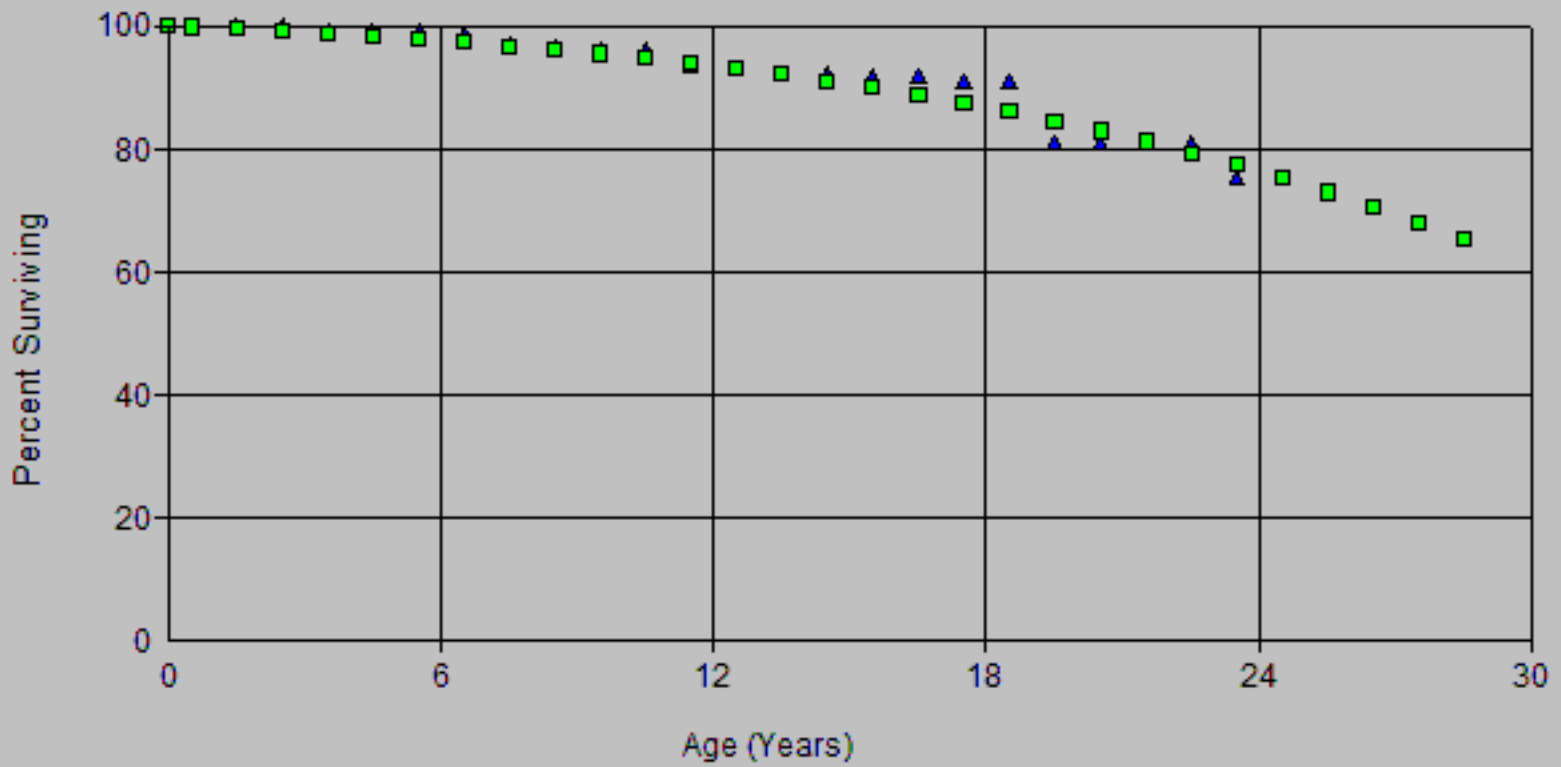


SoCalGas
 2024 GRC - APR
 Depreciation Workpapers

Account: 366x-Structures & Improvements

Scenario: So California Gas Actuarial @

▲ Actual Data ■ R2 32.00

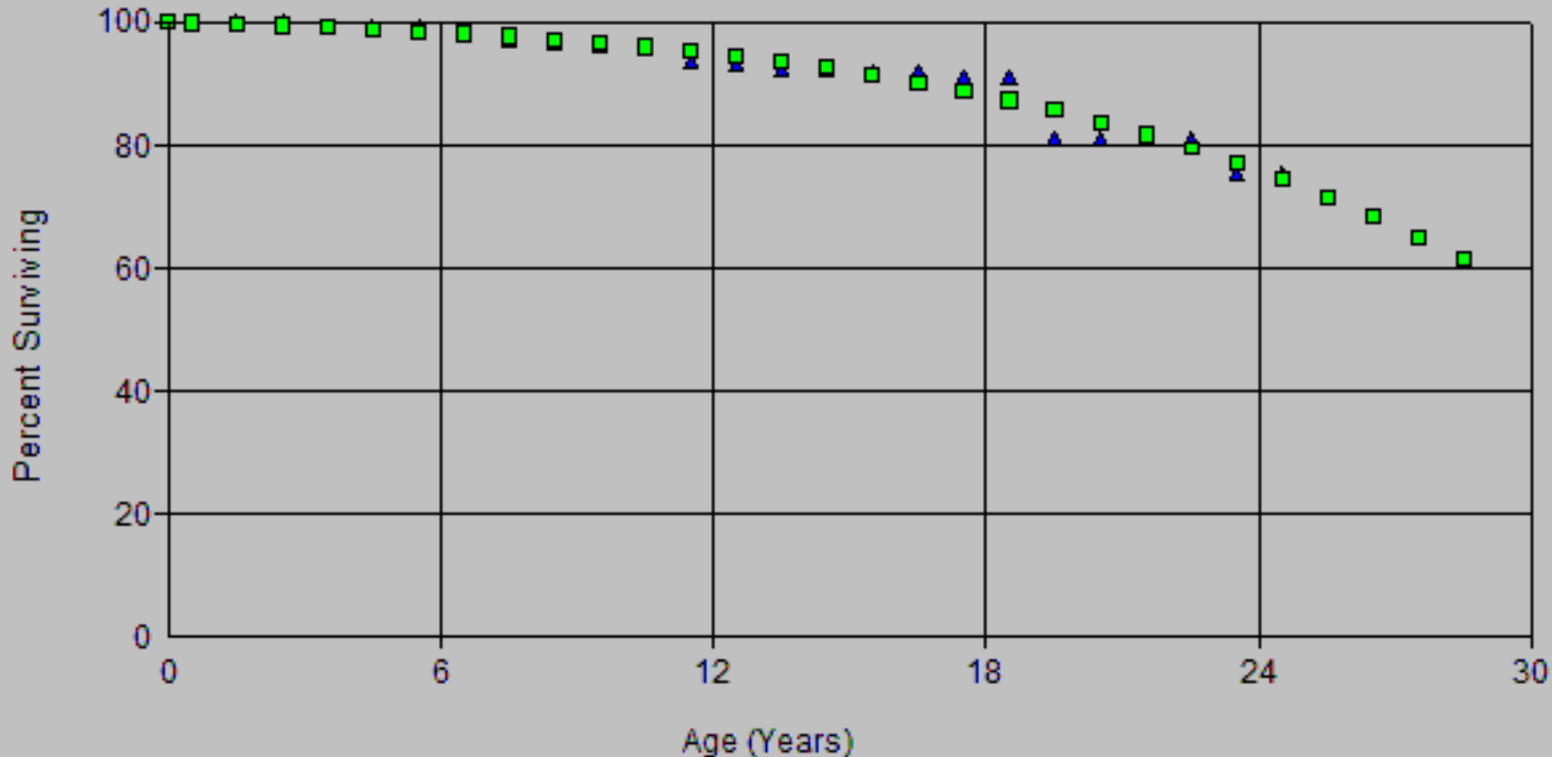


SoCalGas
 2024 GRC - APR
 Depreciation Workpapers

Account: 366x-Structures & Improvements

Scenario: So California Gas Actuarial @

▲ Actual Data ■ R2.5 30.00



Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 366x-Structures & Improvements

Placement Band: 1925 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	62,963,613.60	0.00	0.00000	1.00000	100.00
0.5	53,976,943.48	0.00	0.00000	1.00000	100.00
1.5	42,006,818.19	0.00	0.00000	1.00000	100.00
2.5	38,014,816.15	227,878.08	0.00599	0.99401	100.00
3.5	30,351,174.69	19,264.86	0.00063	0.99937	99.40
4.5	22,387,828.44	36,354.31	0.00162	0.99838	99.34
5.5	22,267,390.90	119,673.14	0.00537	0.99463	99.18
6.5	21,513,346.58	398,861.44	0.01854	0.98146	98.64
7.5	21,241,536.63	76,381.97	0.00360	0.99640	96.82
8.5	20,716,723.91	28,347.87	0.00137	0.99863	96.47
9.5	23,331,677.00	9,570.50	0.00041	0.99959	96.33
10.5	22,353,895.88	342,232.99	0.01531	0.98469	96.30
11.5	21,333,237.67	122,077.81	0.00572	0.99428	94.82
12.5	20,193,568.73	194,231.12	0.00962	0.99038	94.28
13.5	19,609,399.30	5,828.30	0.00030	0.99970	93.37
14.5	20,595,658.91	113,618.49	0.00552	0.99448	93.34
15.5	20,369,137.88	43,172.96	0.00212	0.99788	92.83
16.5	17,837,651.20	55,204.00	0.00309	0.99691	92.63
17.5	17,280,158.16	141,769.03	0.00820	0.99180	92.35
18.5	15,165,887.35	189,241.75	0.01248	0.98752	91.59
19.5	14,964,212.00	66,477.48	0.00444	0.99556	90.45
20.5	14,567,870.15	48,516.50	0.00333	0.99667	90.04
21.5	14,513,117.10	34,992.77	0.00241	0.99759	89.74
22.5	14,151,422.33	269,022.18	0.01901	0.98099	89.53
23.5	13,636,683.82	47,588.56	0.00349	0.99651	87.83
24.5	13,454,279.86	22,826.49	0.00170	0.99830	87.52
25.5	13,179,864.43	158,224.97	0.01201	0.98799	87.37
26.5	13,280,983.02	328,682.60	0.02475	0.97525	86.32
27.5	11,693,048.77	180,849.33	0.01547	0.98453	84.19
28.5	11,432,839.41	98,865.74	0.00865	0.99135	82.88
29.5	8,123,087.04	70,847.40	0.00872	0.99128	82.17
30.5	7,980,022.17	209,470.96	0.02625	0.97375	81.45
31.5	6,238,172.50	60,015.99	0.00962	0.99038	79.31
32.5	5,271,672.14	4,742.20	0.00090	0.99910	78.55
33.5	5,664,699.20	18,092.01	0.00319	0.99681	78.48
34.5	5,608,881.90	3,507.69	0.00063	0.99937	78.23
35.5	5,709,955.43	59,875.79	0.01049	0.98951	78.18
36.5	4,998,617.85	289,549.48	0.05793	0.94207	77.36
37.5	4,474,501.18	193,738.34	0.04330	0.95670	72.88
38.5	4,319,616.09	9,887.99	0.00229	0.99771	69.72
39.5	4,136,176.58	11,393.18	0.00275	0.99725	69.56
40.5	4,898,151.21	0.00	0.00000	1.00000	69.37
41.5	5,003,933.03	1,300.36	0.00026	0.99974	69.37
42.5	5,053,286.92	1,611.47	0.00032	0.99968	69.35
43.5	5,067,442.36	5,795.37	0.00114	0.99886	69.33
44.5	5,249,170.21	23,996.07	0.00457	0.99543	69.25
45.5	5,648,837.75	3,606.62	0.00064	0.99936	68.94
46.5	5,509,528.17	8,233.02	0.00149	0.99851	68.89
47.5	5,475,733.08	23,338.65	0.00426	0.99574	68.79
48.5	4,971,004.09	166.25	0.00003	0.99997	68.50
49.5	5,079,726.95	3,010.95	0.00059	0.99941	68.49
50.5	5,287,043.22	20,208.55	0.00382	0.99618	68.45
51.5	5,181,775.87	4,572.89	0.00088	0.99912	68.19
52.5	4,867,670.91	25,813.87	0.00530	0.99470	68.13

Scenario: So California Gas Actuarial @ 2020

Account: 366x-Structures & Improvements

Placement Band: 1925 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	4,090,590.81	26,277.68	0.00642	0.99358	67.77
54.5	3,999,391.09	13,202.84	0.00330	0.99670	67.34
55.5	3,197,214.55	20,692.93	0.00647	0.99353	67.11
56.5	3,022,366.62	4,881.62	0.00162	0.99838	66.68
57.5	3,062,851.55	60,632.02	0.01980	0.98020	66.57
58.5	2,934,496.43	19,045.65	0.00649	0.99351	65.26
59.5	2,905,259.50	52,313.86	0.01801	0.98199	64.83
60.5	2,718,857.69	1,807.98	0.00066	0.99934	63.66
61.5	2,604,021.24	30,851.94	0.01185	0.98815	63.62
62.5	1,832,864.22	47,730.71	0.02604	0.97396	62.87
63.5	1,658,450.77	185.31	0.00011	0.99989	61.23
64.5	1,587,804.29	49,173.25	0.03097	0.96903	61.22
65.5	1,526,671.16	44,377.55	0.02907	0.97093	59.33
66.5	1,342,124.77	3,501.63	0.00261	0.99739	57.60
67.5	961,879.96	10,474.89	0.01089	0.98911	57.45
68.5	915,834.47	746.17	0.00081	0.99919	56.83
69.5	889,321.57	6,866.26	0.00772	0.99228	56.78
70.5	843,364.43	15,835.71	0.01878	0.98122	56.34
71.5	707,459.62	7,984.21	0.01129	0.98871	55.28
72.5	228,563.23	1,275.92	0.00558	0.99442	54.66
73.5	104,210.92	3,010.97	0.02889	0.97111	54.36
74.5	101,083.73	0.00	0.00000	1.00000	52.79
75.5	82,744.90	0.00	0.00000	1.00000	52.79
76.5	82,744.90	0.00	0.00000	1.00000	52.79
77.5	81,351.93	0.00	0.00000	1.00000	52.79
78.5	81,351.93	6,337.60	0.07790	0.92210	52.79
79.5	22,437.52	36.59	0.00163	0.99837	48.67
80.5	22,400.93	501.06	0.02237	0.97763	48.59
81.5	21,899.87	0.00	0.00000	1.00000	47.51
82.5	17,746.17	0.00	0.00000	1.00000	47.51
83.5	17,746.17	0.00	0.00000	1.00000	47.51
84.5	8,555.53	0.00	0.00000	1.00000	47.51
85.5	8,555.53	0.00	0.00000	1.00000	47.51
86.5	8,555.53	170.61	0.01994	0.98006	47.51
87.5	8,384.92	4,285.90	0.51114	0.48886	46.56
88.5	4,099.02	496.00	0.12100	0.87900	22.76
89.5	3,603.02	0.00	0.00000	1.00000	20.01
90.5	1,530.39	813.63	0.53165	0.46835	20.01
91.5	716.76	0.00	0.00000	1.00000	9.37
92.5	716.76	0.00	0.00000	1.00000	9.37
93.5	691.60	0.00	0.00000	1.00000	9.37
94.5	691.60	0.00	0.00000	1.00000	9.37
95.5	0.00	0.00	0.00000	0.00000	9.37

Scenario: So California Gas Actuarial @ 2020

Account: 366x-Structures & Improvements

Placement Band: 1956 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	62,963,613.60	0.00	0.00000	1.00000	100.00
0.5	53,976,943.48	0.00	0.00000	1.00000	100.00
1.5	42,006,818.19	0.00	0.00000	1.00000	100.00
2.5	38,014,816.15	227,878.08	0.00599	0.99401	100.00
3.5	30,351,174.69	19,264.86	0.00063	0.99937	99.40
4.5	22,387,828.44	36,354.31	0.00162	0.99838	99.34
5.5	22,267,390.90	119,673.14	0.00537	0.99463	99.18
6.5	21,513,346.58	398,861.44	0.01854	0.98146	98.64
7.5	21,241,536.63	76,381.97	0.00360	0.99640	96.82
8.5	20,716,723.91	28,347.87	0.00137	0.99863	96.47
9.5	23,331,677.00	9,570.50	0.00041	0.99959	96.33
10.5	22,353,895.88	342,232.99	0.01531	0.98469	96.30
11.5	21,333,237.67	122,077.81	0.00572	0.99428	94.82
12.5	20,193,568.73	194,231.12	0.00962	0.99038	94.28
13.5	19,609,399.30	5,828.30	0.00030	0.99970	93.37
14.5	20,595,658.91	113,618.49	0.00552	0.99448	93.34
15.5	20,369,137.88	43,172.96	0.00212	0.99788	92.83
16.5	17,837,651.20	55,204.00	0.00309	0.99691	92.63
17.5	17,280,158.16	141,769.03	0.00820	0.99180	92.35
18.5	15,165,887.35	189,241.75	0.01248	0.98752	91.59
19.5	14,964,212.00	66,477.48	0.00444	0.99556	90.45
20.5	14,567,870.15	48,516.50	0.00333	0.99667	90.04
21.5	14,513,117.10	34,992.77	0.00241	0.99759	89.74
22.5	14,151,422.33	269,022.18	0.01901	0.98099	89.53
23.5	13,636,683.82	47,588.56	0.00349	0.99651	87.83
24.5	13,454,279.86	22,826.49	0.00170	0.99830	87.52
25.5	13,179,864.43	158,224.97	0.01201	0.98799	87.37
26.5	13,280,983.02	328,682.60	0.02475	0.97525	86.32
27.5	11,693,048.77	180,849.33	0.01547	0.98453	84.19
28.5	11,432,839.41	98,865.74	0.00865	0.99135	82.88
29.5	8,123,087.04	70,847.40	0.00872	0.99128	82.17
30.5	7,980,022.17	209,470.96	0.02625	0.97375	81.45
31.5	6,238,172.50	60,015.99	0.00962	0.99038	79.31
32.5	5,271,672.14	4,742.20	0.00090	0.99910	78.55
33.5	5,664,699.20	18,092.01	0.00319	0.99681	78.48
34.5	5,608,881.90	3,507.69	0.00063	0.99937	78.23
35.5	5,709,955.43	59,875.79	0.01049	0.98951	78.18
36.5	4,998,617.85	289,549.48	0.05793	0.94207	77.36
37.5	4,474,501.18	193,738.34	0.04330	0.95670	72.88
38.5	4,319,616.09	9,887.99	0.00229	0.99771	69.72
39.5	4,136,176.58	11,393.18	0.00275	0.99725	69.56
40.5	4,898,151.21	0.00	0.00000	1.00000	69.37
41.5	5,003,933.03	1,300.36	0.00026	0.99974	69.37
42.5	5,053,286.92	1,611.47	0.00032	0.99968	69.35
43.5	5,041,396.71	5,795.37	0.00115	0.99885	69.33
44.5	5,027,206.13	23,996.07	0.00477	0.99523	69.25
45.5	4,992,130.95	3,606.62	0.00072	0.99928	68.92
46.5	4,814,710.78	8,143.02	0.00169	0.99831	68.87
47.5	4,758,592.96	23,338.65	0.00490	0.99510	68.76
48.5	4,185,195.14	166.25	0.00004	0.99996	68.42
49.5	4,171,452.42	3,010.95	0.00072	0.99928	68.42
50.5	3,830,236.49	20,208.55	0.00528	0.99472	68.37
51.5	3,547,119.18	1,628.68	0.00046	0.99954	68.01
52.5	3,235,842.21	25,813.67	0.00798	0.99202	67.97

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 366x-Structures & Improvements

Placement Band: 1956 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	2,437,552.92	23,706.06	0.00973	0.99027	67.43
54.5	2,389,006.36	2,062.60	0.00086	0.99914	66.78
55.5	1,596,859.14	19,278.00	0.01207	0.98793	66.72
56.5	1,428,145.65	1,857.07	0.00130	0.99870	65.91
57.5	1,407,629.90	42,851.31	0.03044	0.96956	65.83
58.5	1,297,392.76	58.56	0.00005	0.99995	63.82
59.5	1,287,475.66	51,728.46	0.04018	0.95982	63.82
60.5	1,090,719.21	0.00	0.00000	1.00000	61.26
61.5	977,690.74	21,107.49	0.02159	0.97841	61.26
62.5	207,050.94	9,907.03	0.04785	0.95215	59.93
63.5	70,461.17	0.00	0.00000	1.00000	57.07
64.5	0.00	0.00	0.00000	0.00000	57.07

Scenario: So California Gas Actuarial @ 2020

Account: 366x-Structures & Improvements

Placement Band: 1976 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	62,963,613.60	0.00	0.00000	1.00000	100.00
0.5	53,976,943.48	0.00	0.00000	1.00000	100.00
1.5	42,006,818.19	0.00	0.00000	1.00000	100.00
2.5	38,014,816.15	227,878.08	0.00599	0.99401	100.00
3.5	30,351,174.69	19,264.86	0.00063	0.99937	99.40
4.5	22,387,828.44	36,354.31	0.00162	0.99838	99.34
5.5	22,267,390.90	119,673.14	0.00537	0.99463	99.18
6.5	21,513,346.58	398,861.44	0.01854	0.98146	98.64
7.5	21,241,536.63	76,381.97	0.00360	0.99640	96.82
8.5	20,716,723.91	28,347.87	0.00137	0.99863	96.47
9.5	23,331,677.00	9,570.50	0.00041	0.99959	96.33
10.5	22,353,895.88	342,232.99	0.01531	0.98469	96.30
11.5	21,333,237.67	122,077.81	0.00572	0.99428	94.82
12.5	20,193,568.73	194,231.12	0.00962	0.99038	94.28
13.5	19,609,399.30	5,828.30	0.00030	0.99970	93.37
14.5	20,595,658.91	113,618.49	0.00552	0.99448	93.34
15.5	20,369,137.88	43,172.96	0.00212	0.99788	92.83
16.5	17,837,651.20	55,204.00	0.00309	0.99691	92.63
17.5	17,280,158.16	141,769.03	0.00820	0.99180	92.35
18.5	15,165,887.35	189,241.75	0.01248	0.98752	91.59
19.5	14,964,212.00	66,477.48	0.00444	0.99556	90.45
20.5	14,567,870.15	48,516.50	0.00333	0.99667	90.04
21.5	14,513,117.10	34,992.77	0.00241	0.99759	89.74
22.5	14,151,422.33	269,022.18	0.01901	0.98099	89.53
23.5	13,615,884.66	47,588.56	0.00350	0.99650	87.83
24.5	13,156,231.70	22,826.49	0.00174	0.99826	87.52
25.5	12,833,301.33	49,955.52	0.00389	0.99611	87.37
26.5	12,561,252.86	328,682.60	0.02617	0.97383	87.03
27.5	10,946,384.14	180,849.33	0.01652	0.98348	84.75
28.5	10,344,529.49	98,865.74	0.00956	0.99044	83.35
29.5	6,707,585.27	57,489.40	0.00857	0.99143	82.55
30.5	6,219,357.36	201,296.96	0.03237	0.96763	81.85
31.5	3,705,889.13	7,787.03	0.00210	0.99790	79.20
32.5	2,743,082.77	1,721.20	0.00063	0.99937	79.03
33.5	2,149,106.33	3,085.78	0.00144	0.99856	78.98
34.5	1,948,482.91	3,507.69	0.00180	0.99820	78.87
35.5	1,665,957.76	41,292.79	0.02479	0.97521	78.72
36.5	905,651.10	1.00	0.00000	1.00000	76.77
37.5	659,368.30	62,869.44	0.09535	0.90465	76.77
38.5	451,188.72	2.00	0.00000	1.00000	69.45
39.5	212,508.56	4,803.68	0.02260	0.97740	69.45
40.5	66,109.26	0.00	0.00000	1.00000	67.88
41.5	42,683.34	0.00	0.00000	1.00000	67.88
42.5	18,176.49	0.00	0.00000	1.00000	67.88
43.5	7,897.75	0.00	0.00000	1.00000	67.88
44.5	0.00	0.00	0.00000	0.00000	67.88

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 366x-Structures & Improvements

Placement Band: 1996 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	62,963,613.60	0.00	0.00000	1.00000	100.00
0.5	53,976,943.48	0.00	0.00000	1.00000	100.00
1.5	42,006,818.19	0.00	0.00000	1.00000	100.00
2.5	38,014,816.15	227,878.08	0.00599	0.99401	100.00
3.5	30,045,831.32	19,264.86	0.00064	0.99936	99.40
4.5	21,804,231.32	2,846.56	0.00013	0.99987	99.34
5.5	20,197,591.46	66,124.77	0.00327	0.99673	99.32
6.5	18,973,889.93	381,134.49	0.02009	0.97991	99.00
7.5	14,559,550.84	66,937.11	0.00460	0.99540	97.01
8.5	13,471,405.62	28,347.87	0.00210	0.99790	96.56
9.5	13,098,225.19	9,570.50	0.00073	0.99927	96.36
10.5	10,570,554.46	273,181.41	0.02584	0.97416	96.29
11.5	8,889,614.68	62,949.67	0.00708	0.99292	93.80
12.5	7,588,911.10	55,198.17	0.00727	0.99273	93.14
13.5	7,477,264.05	825.61	0.00011	0.99989	92.46
14.5	7,409,899.98	46,255.32	0.00624	0.99376	92.45
15.5	6,981,864.46	7,378.51	0.00106	0.99894	91.88
16.5	4,716,385.25	36,644.76	0.00777	0.99223	91.78
17.5	3,828,370.00	0.00	0.00000	1.00000	91.07
18.5	1,703,136.67	188,708.75	0.11080	0.88920	91.07
19.5	1,446,637.67	0.00	0.00000	1.00000	80.97
20.5	1,084,981.01	0.00	0.00000	1.00000	80.97
21.5	1,064,285.94	0.00	0.00000	1.00000	80.97
22.5	729,686.19	51,106.30	0.07004	0.92996	80.97
23.5	412,064.40	0.00	0.00000	1.00000	75.30
24.5	0.00	0.00	0.00000	0.00000	75.30

Actuarial Life Analysis

Account: 366x-Structures & Improvements
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1925 - 2003
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1999 -2003	78.5	36.54	0.90973269	L0	45.30
2000 -2004	79.5	31.80	1.04281529	L0	41.49
2001 -2005	80.5	69.86	0.26834798	R0.5	92.27
2002 -2006	81.5	82.90	0.02938052	R0.5	167.52
2003 -2007	82.5	60.21	0.14623925	R2.5	80.22
2004 -2008	83.5	62.63	0.16420064	R2.5	83.99
2005 -2009	84.5	52.91	0.20343811	L2.5	87.39
2006 -2010	85.5	52.85	0.19136336	R2.5	80.39
2007 -2011	86.5	44.10	0.13401464	L0.5	80.44
2008 -2012	87.5	60.39	0.15727863	L0	102.63
2009 -2013	88.5	53.56	0.18703297	L0	90.43
2010 -2014	89.5	64.82	0.11473164	L0	113.77
2011 -2015	90.5	66.17	0.04788151	L0.5	120.82
2012 -2016	91.5	10.49	0.74685677	R4	84.88
2013 -2017	92.5	13.45	0.57724242	R0.5	74.99
2014 -2018	93.5	20.02	0.44664545	R0.5	69.94
2015 -2019	94.5	14.60	0.53032706	L0	53.87
2016 -2020	95.5	5.61	0.71155542	L0	54.41

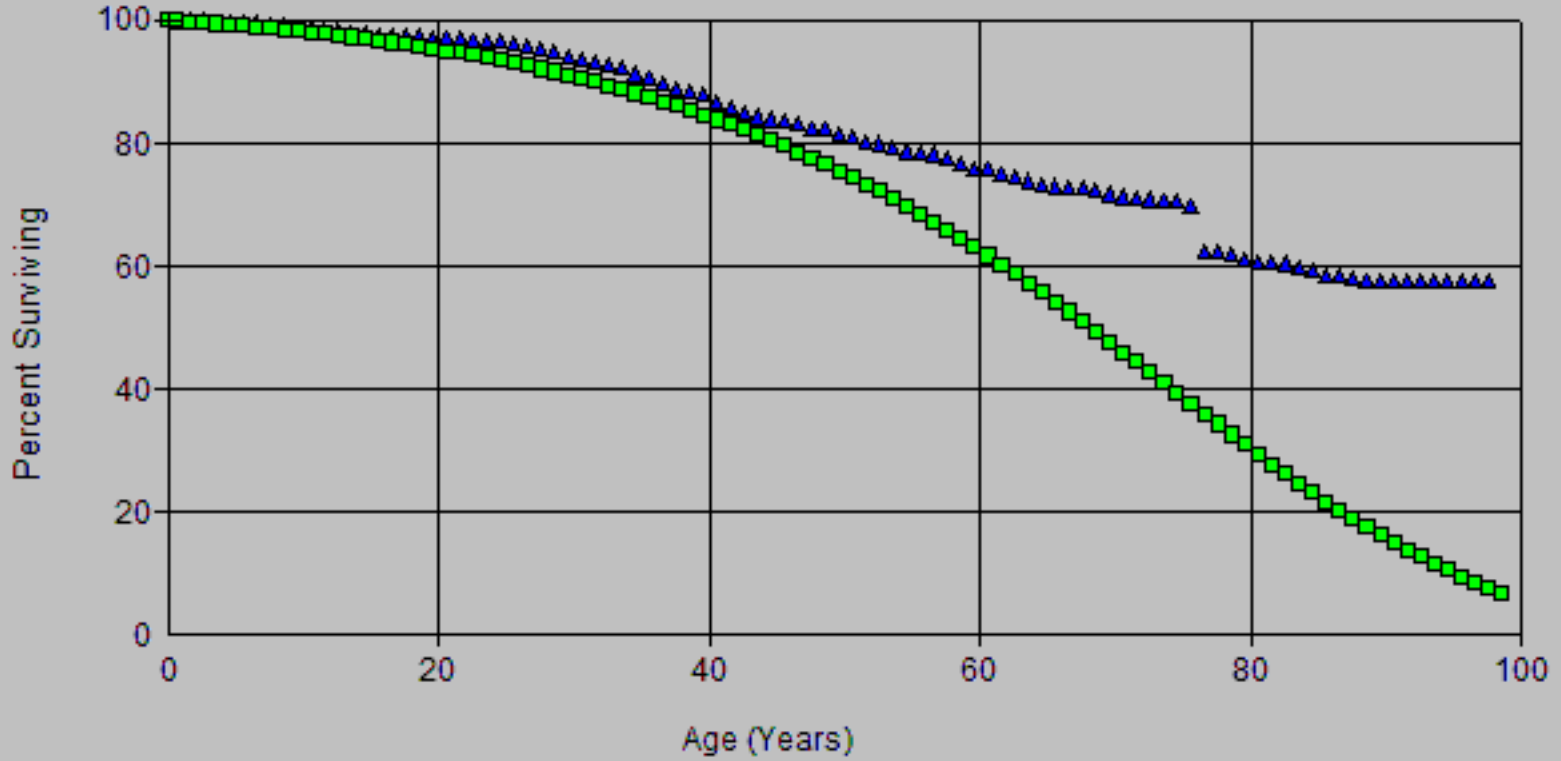
Actuarial Life Analysis

Account: 366x-Structures & Improvements
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1925 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1999 -2020	95.5	9.37	0.42272158	R1	68.37
2004 -2020	95.5	9.98	0.45527270	R1	72.60
2009 -2020	95.5	8.78	0.38839259	R0.5	69.19
2014 -2020	95.5	7.24	0.49144505	R0.5	61.14
2019 -2020	95.5	0.00	0.96924409	L0	51.25

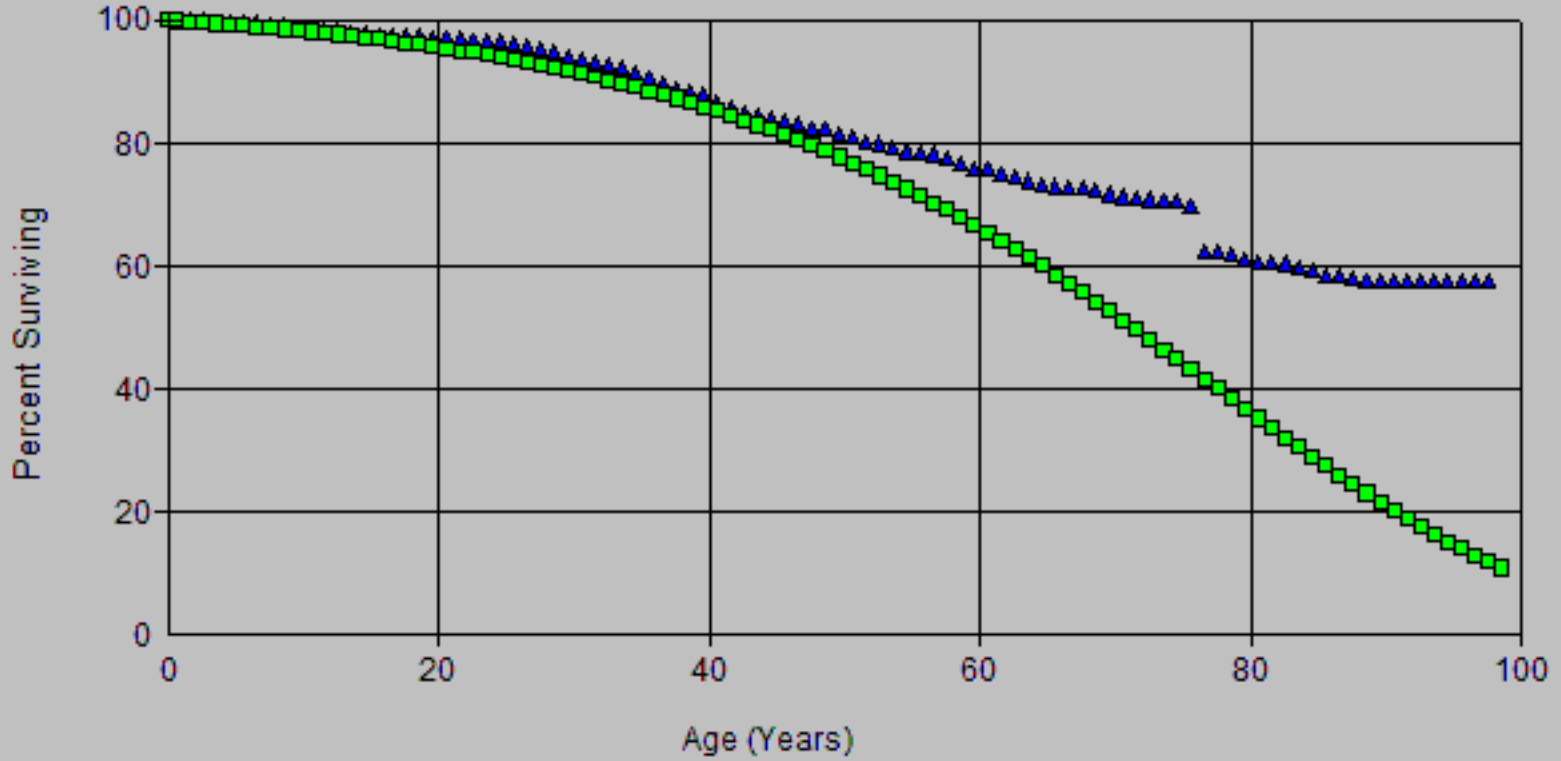
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2 65.00



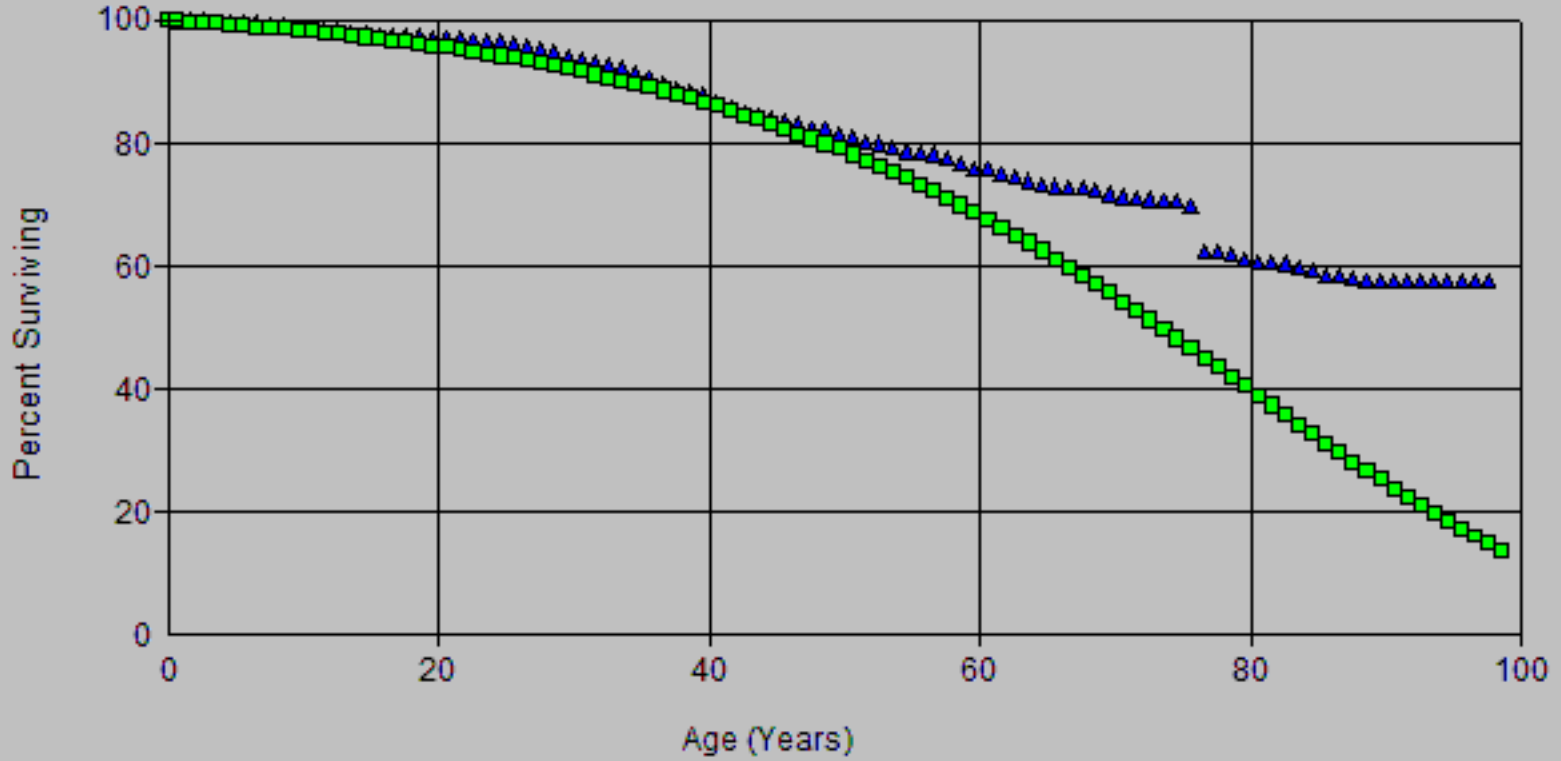
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2 68.00



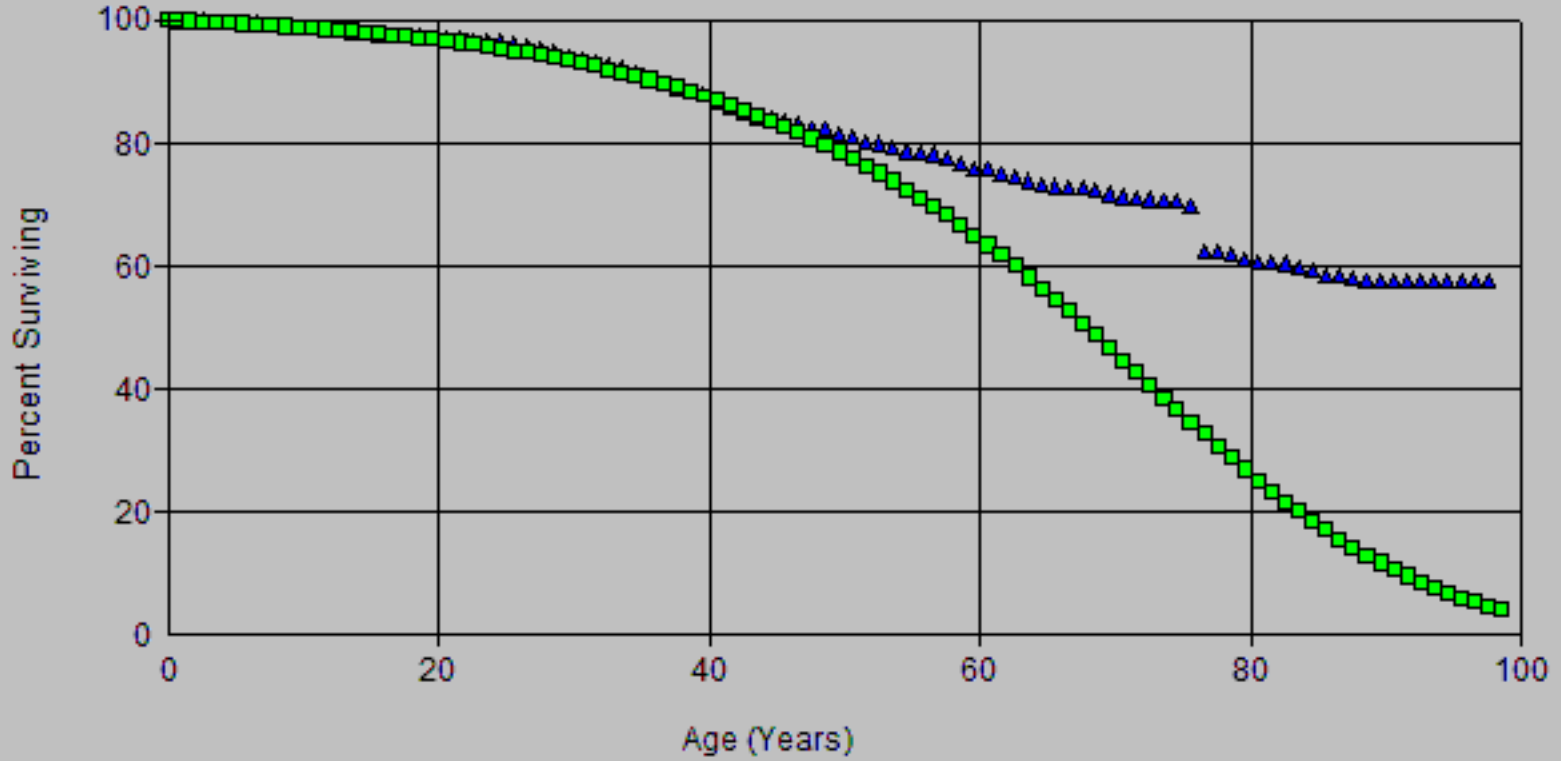
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2 70.00



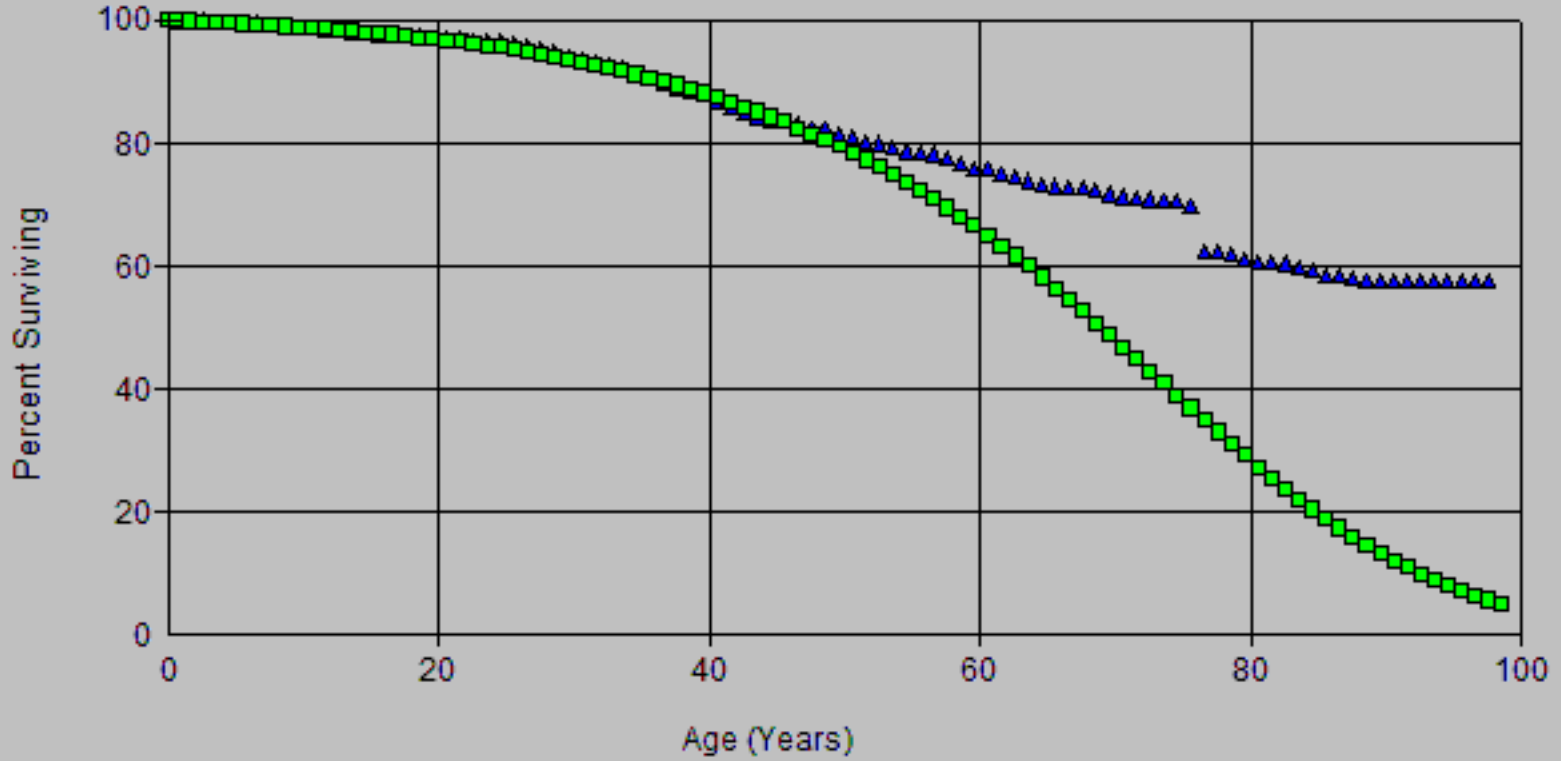
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 65.00



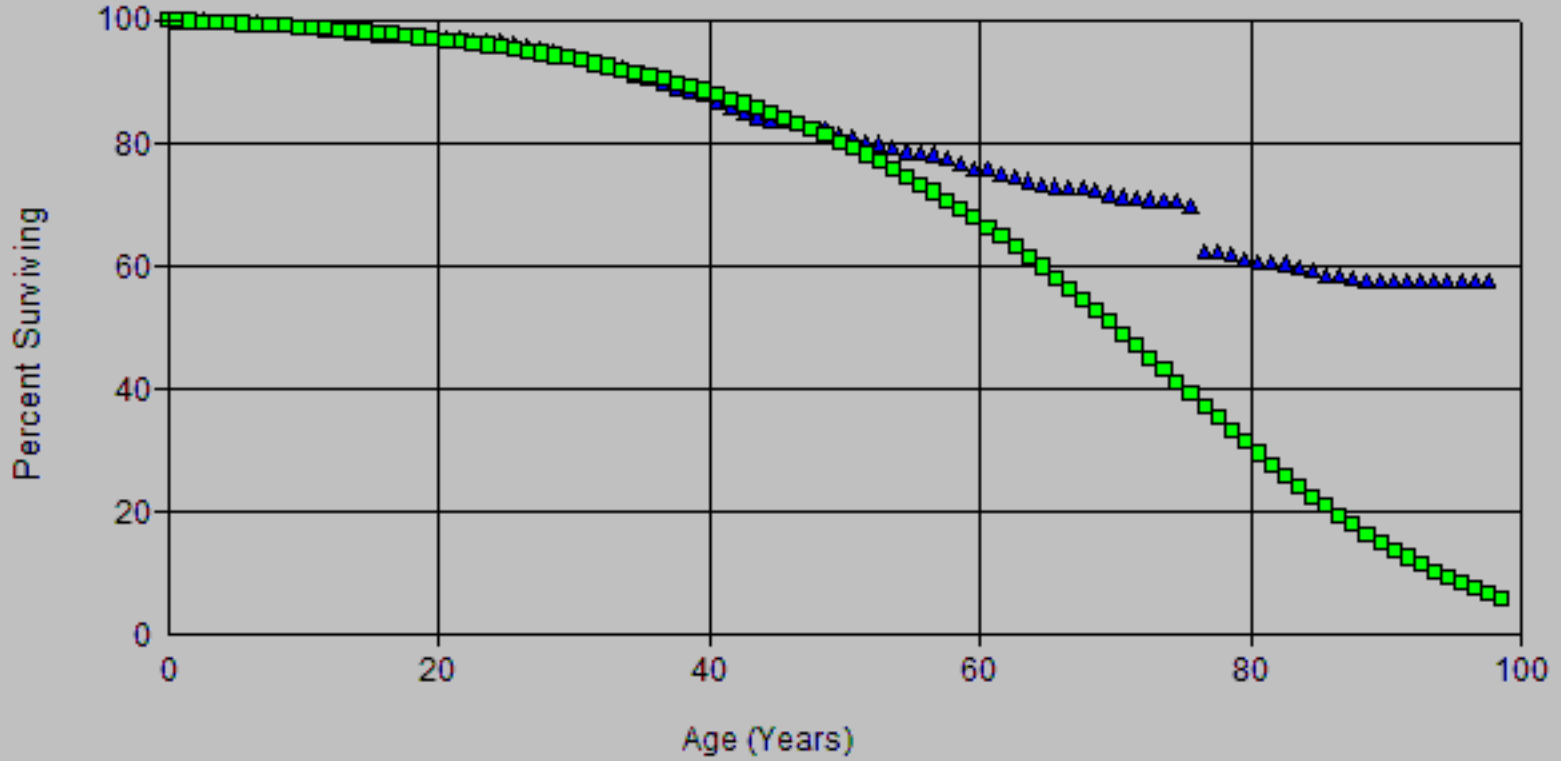
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 66.00



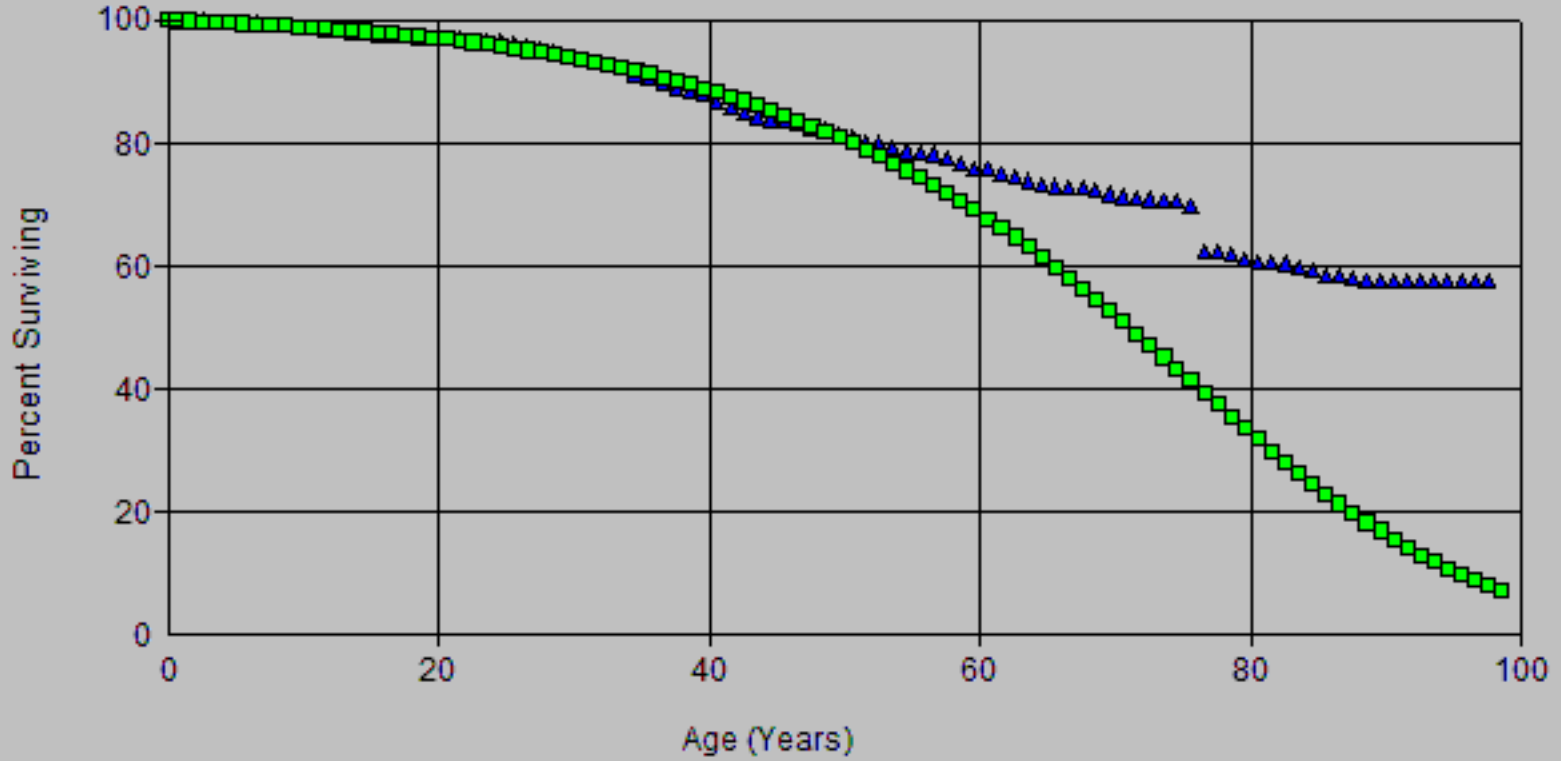
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 67.00



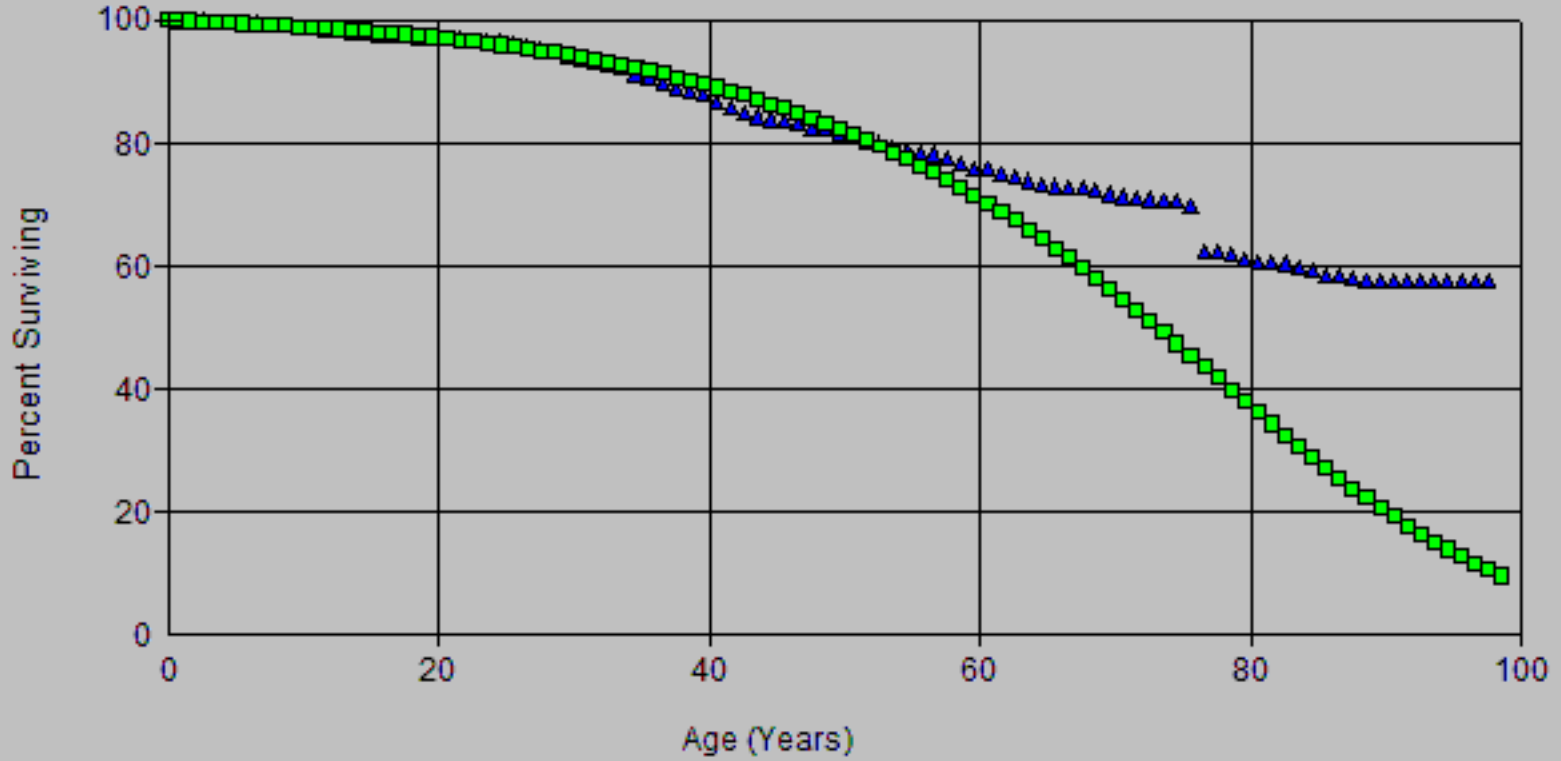
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 68.00



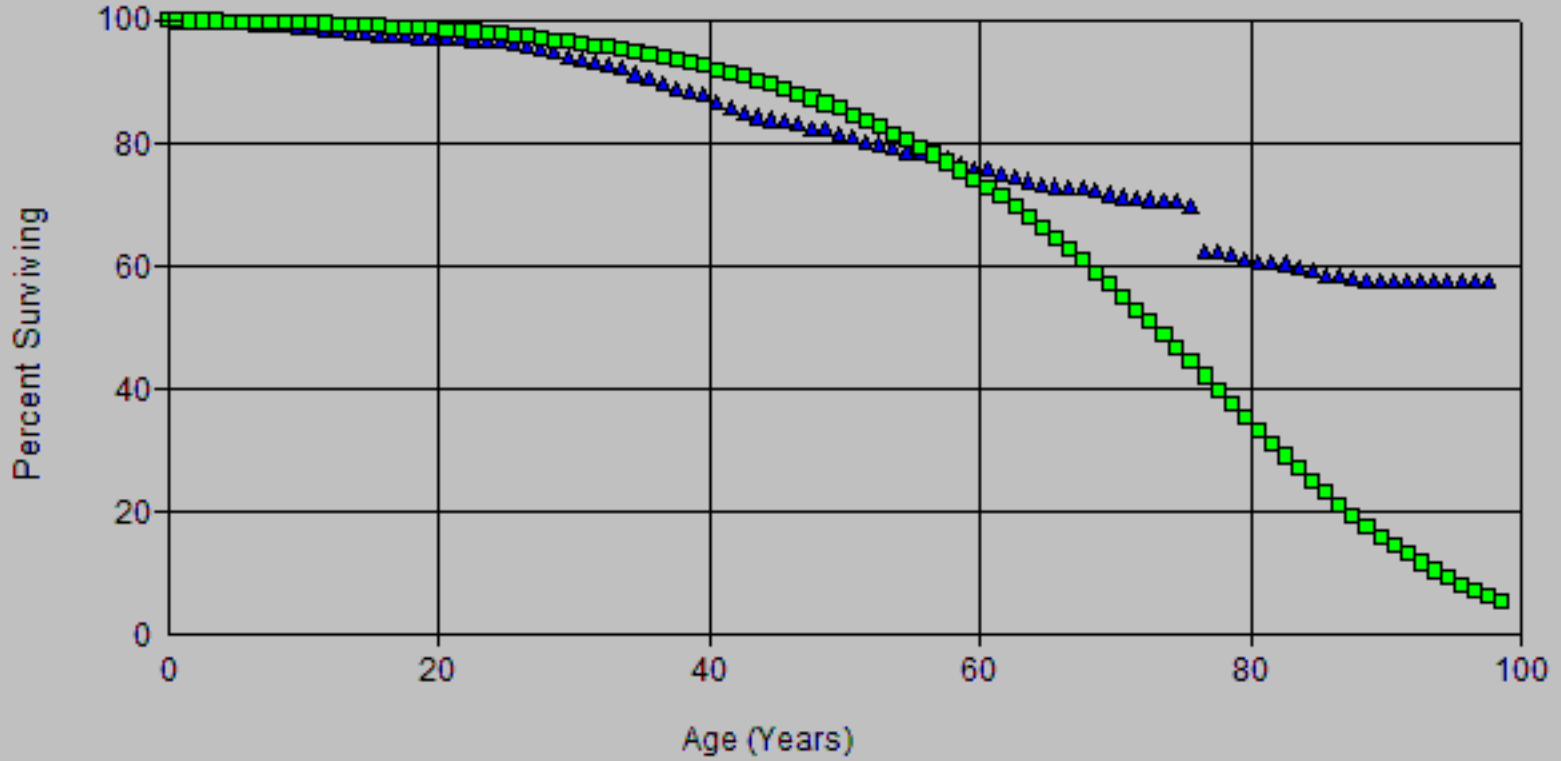
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 70.00



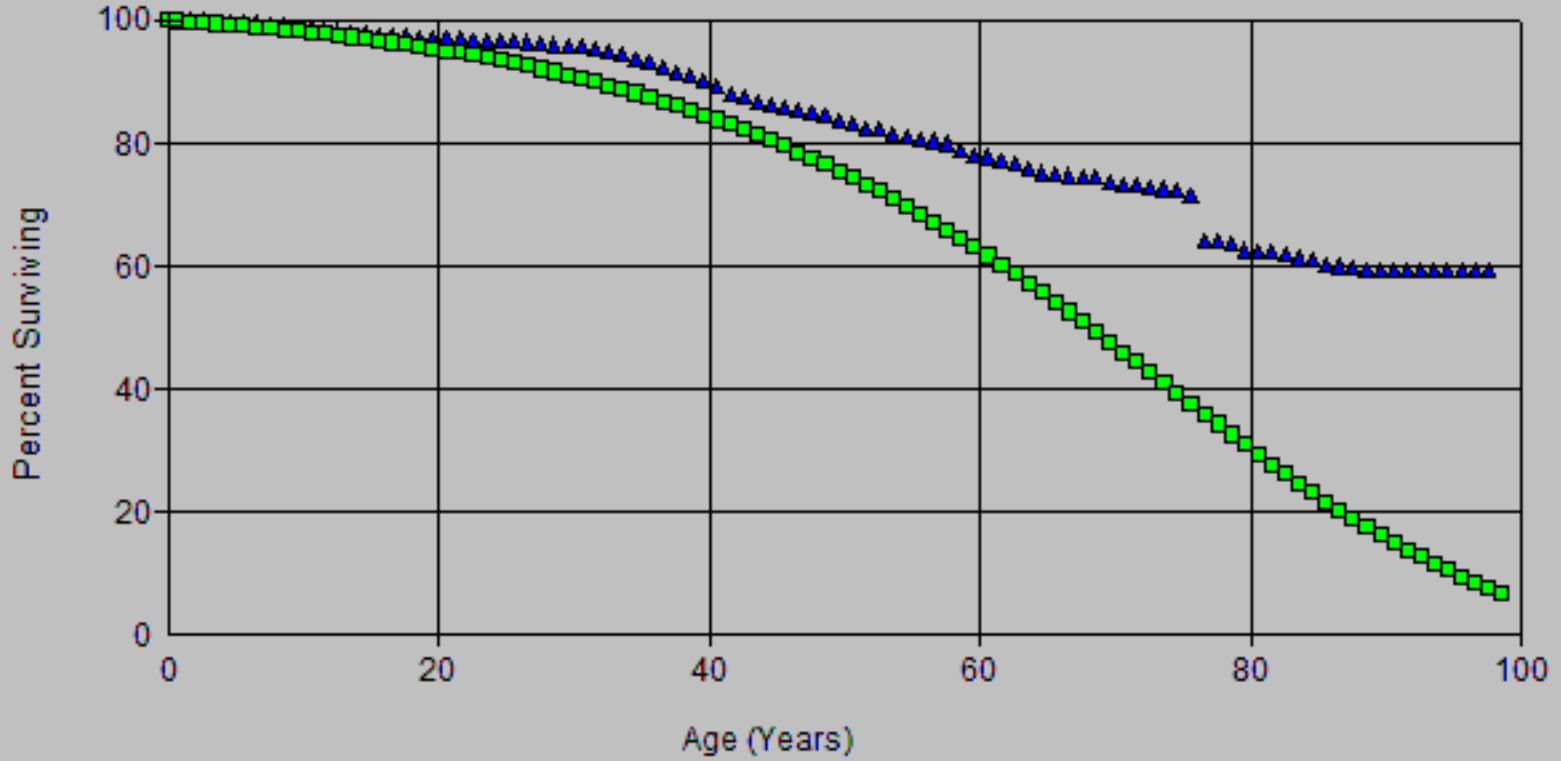
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 70.00



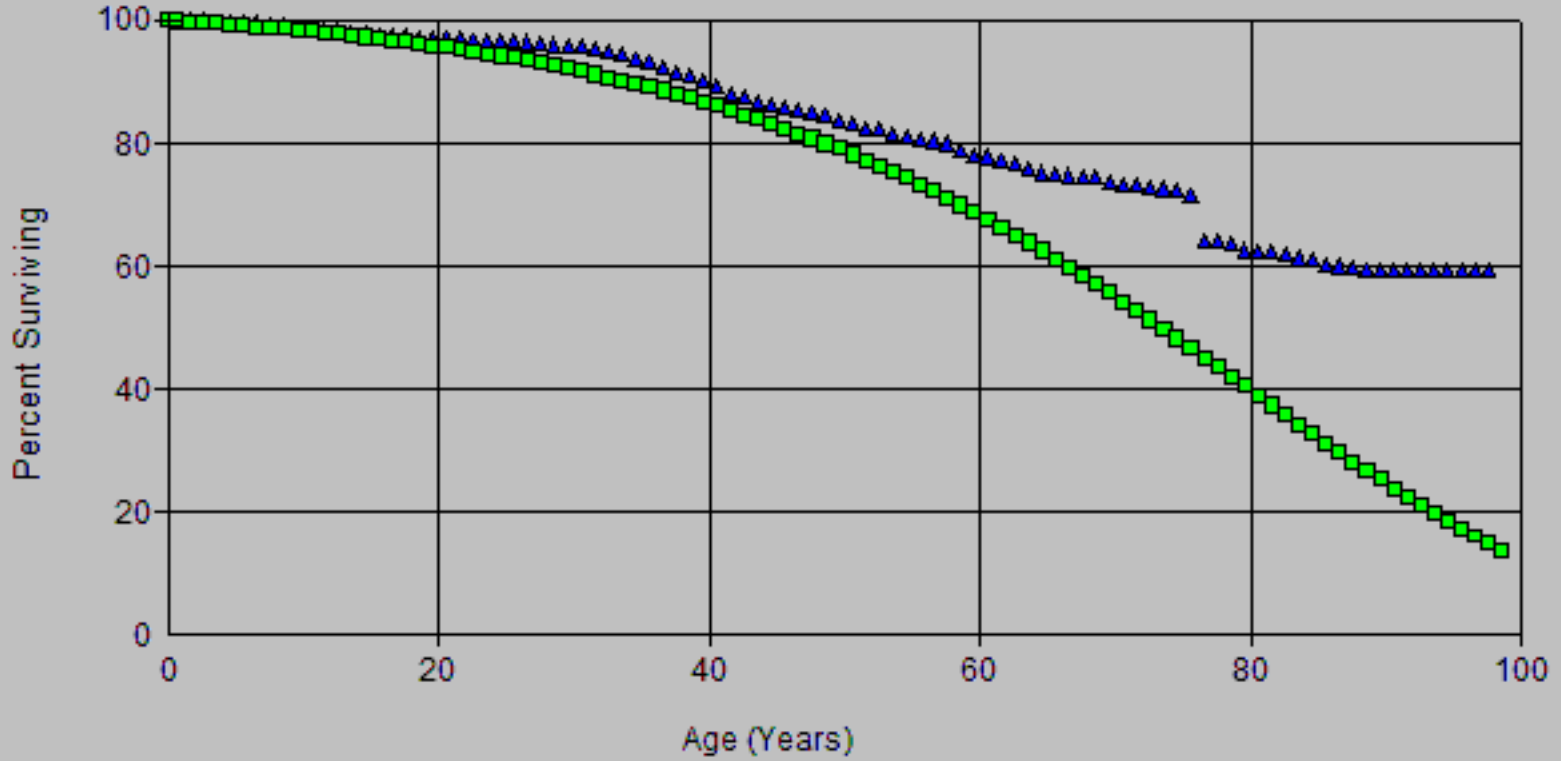
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2 65.00



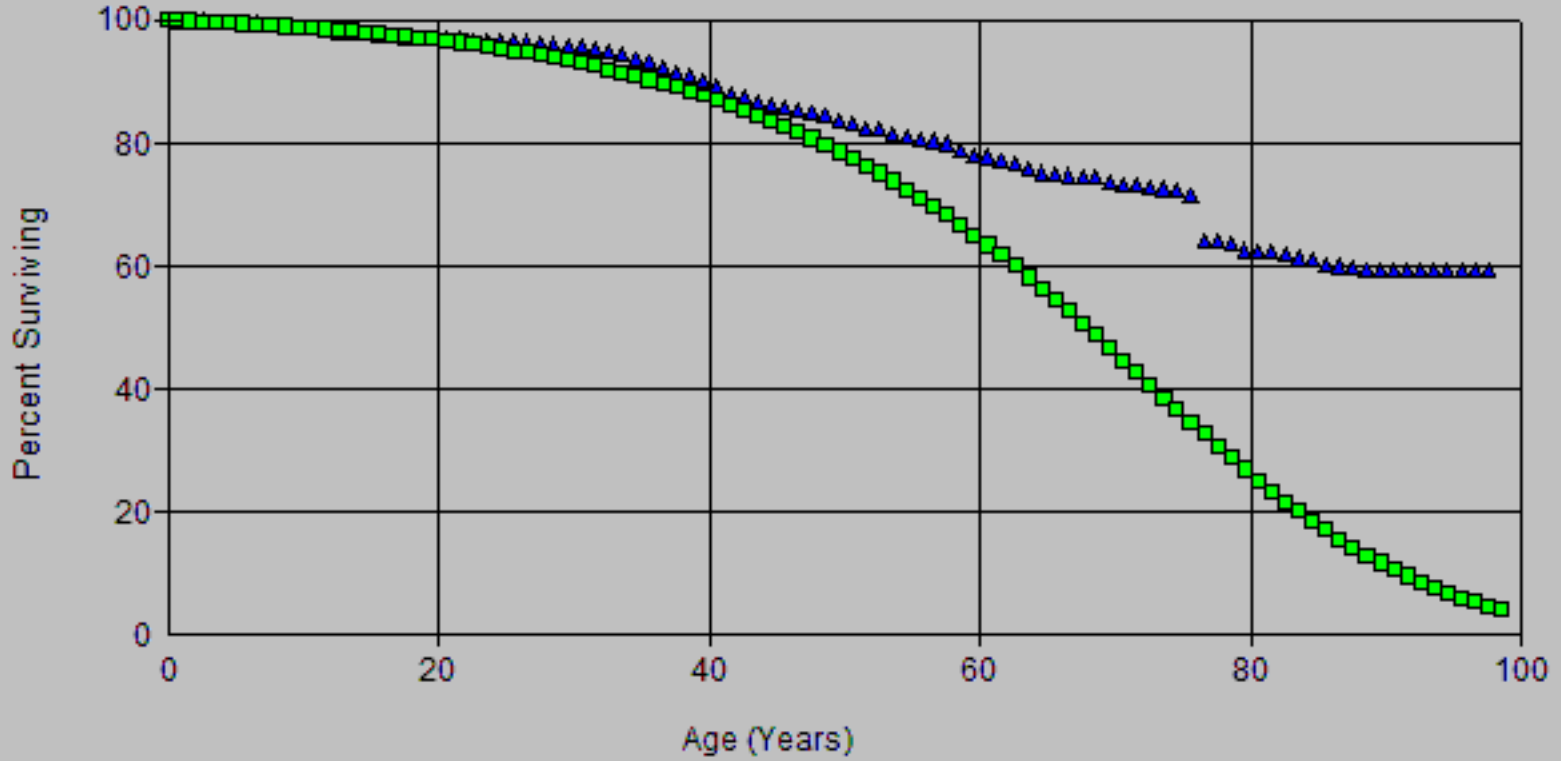
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2 70.00



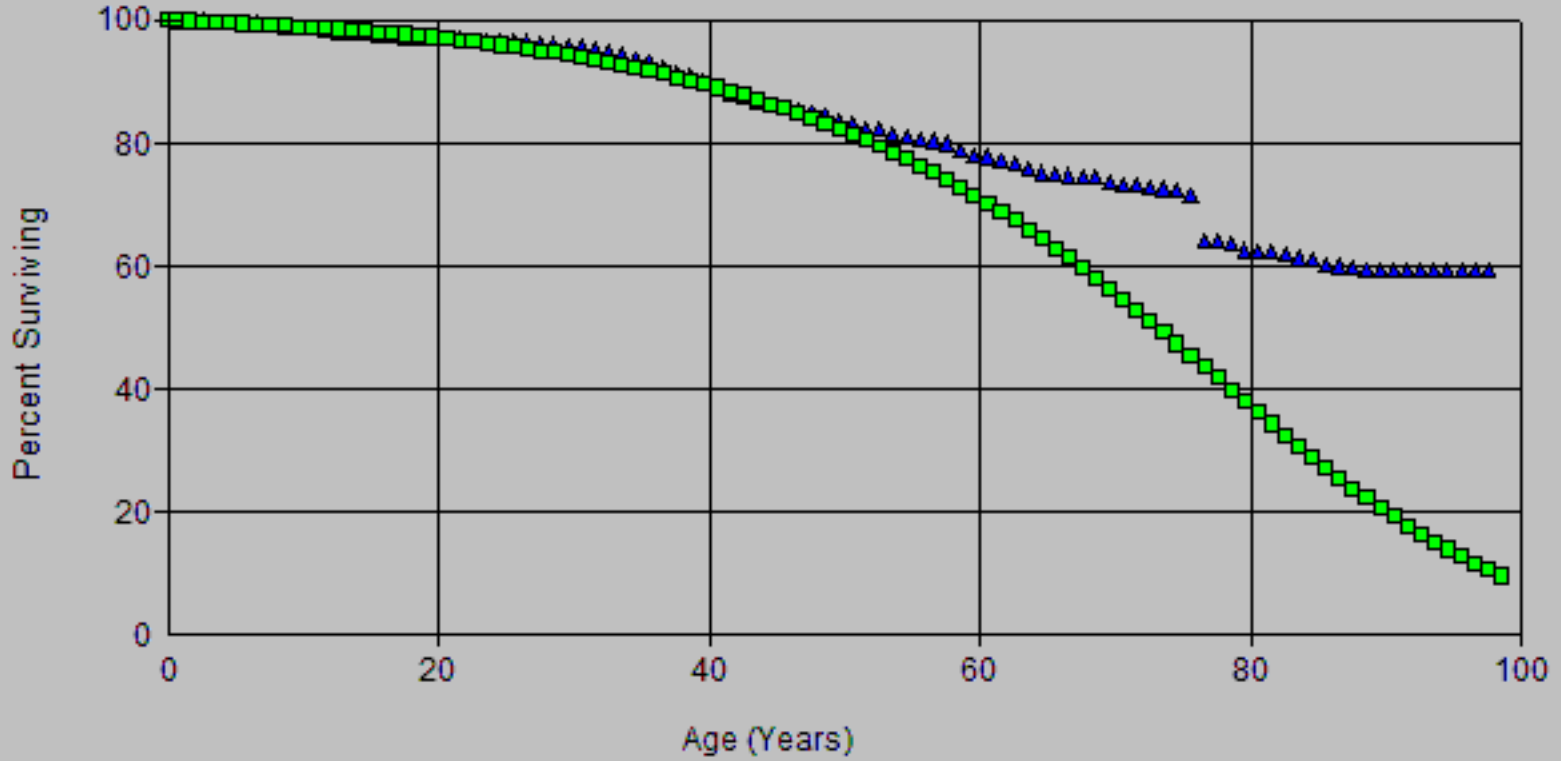
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 65.00



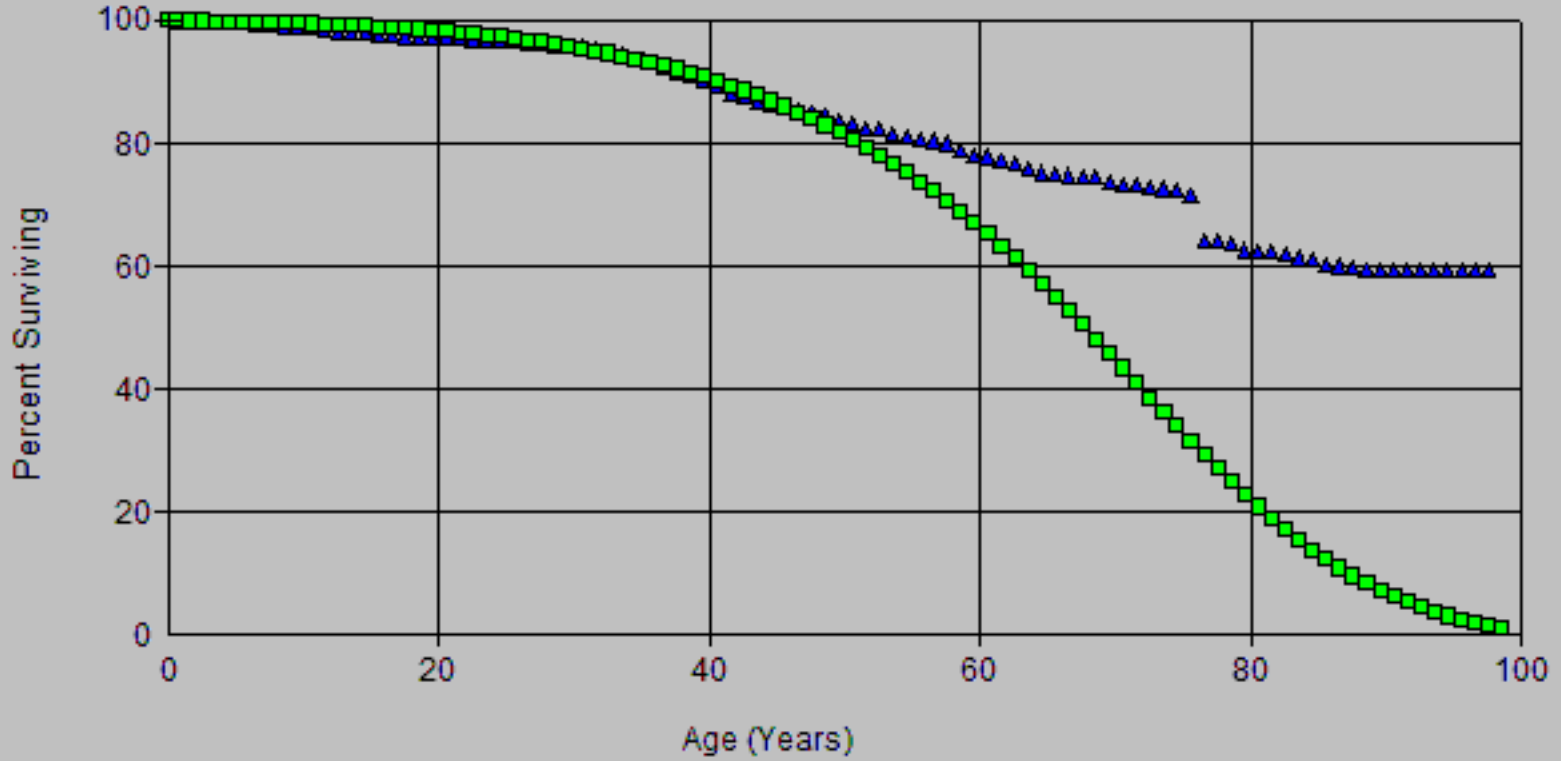
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 70.00



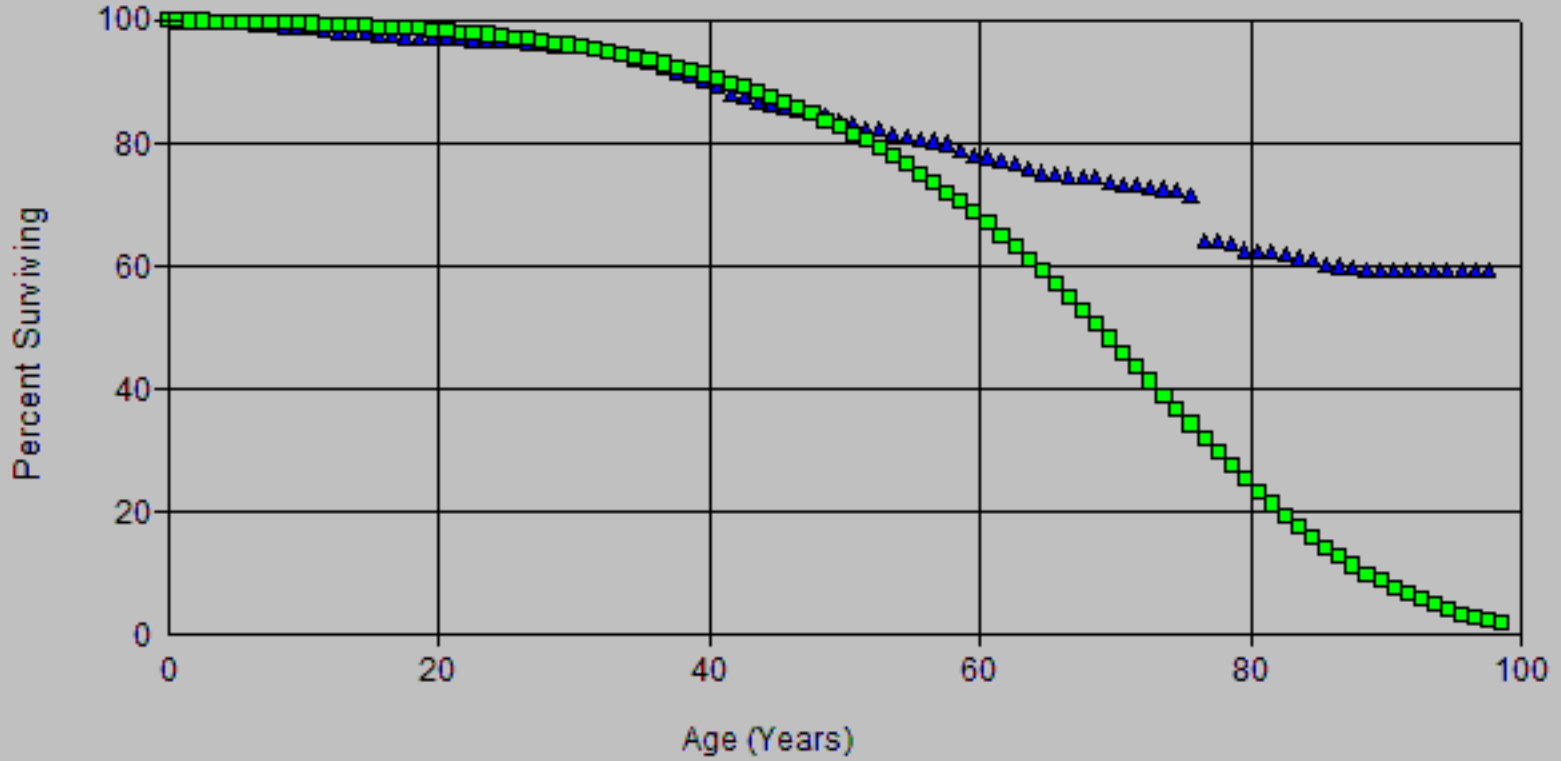
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 65.00



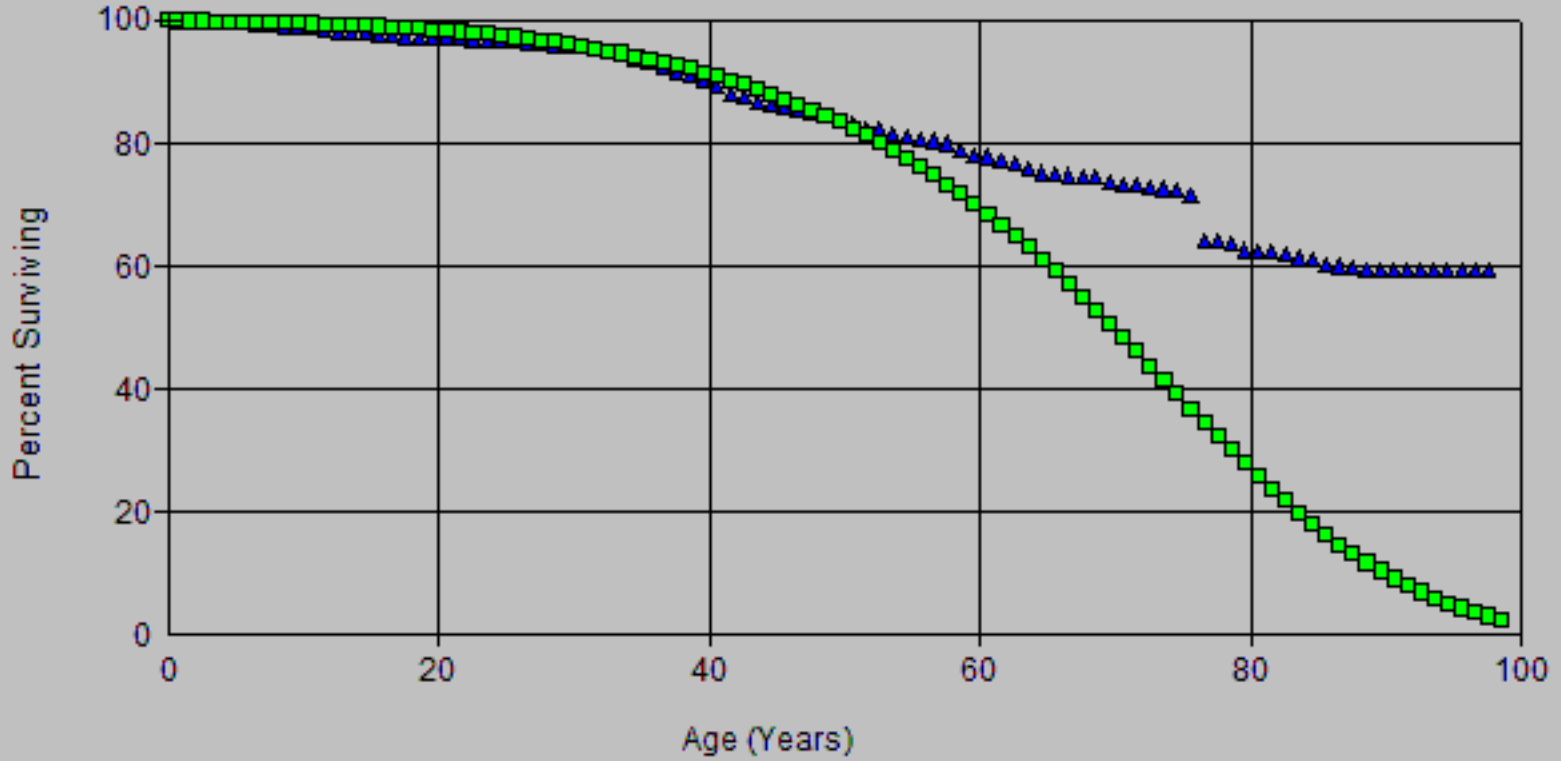
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 66.00



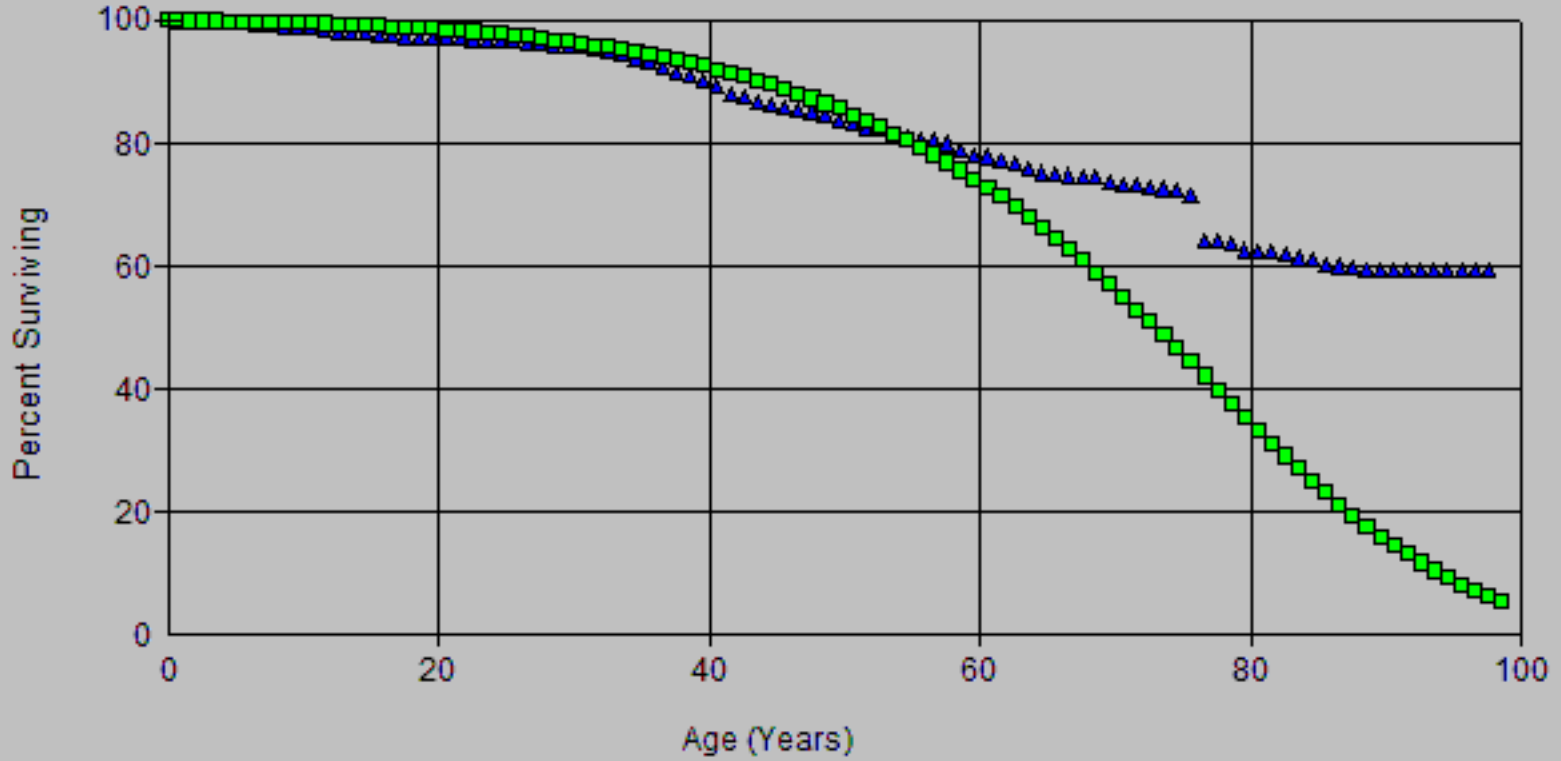
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 67.00



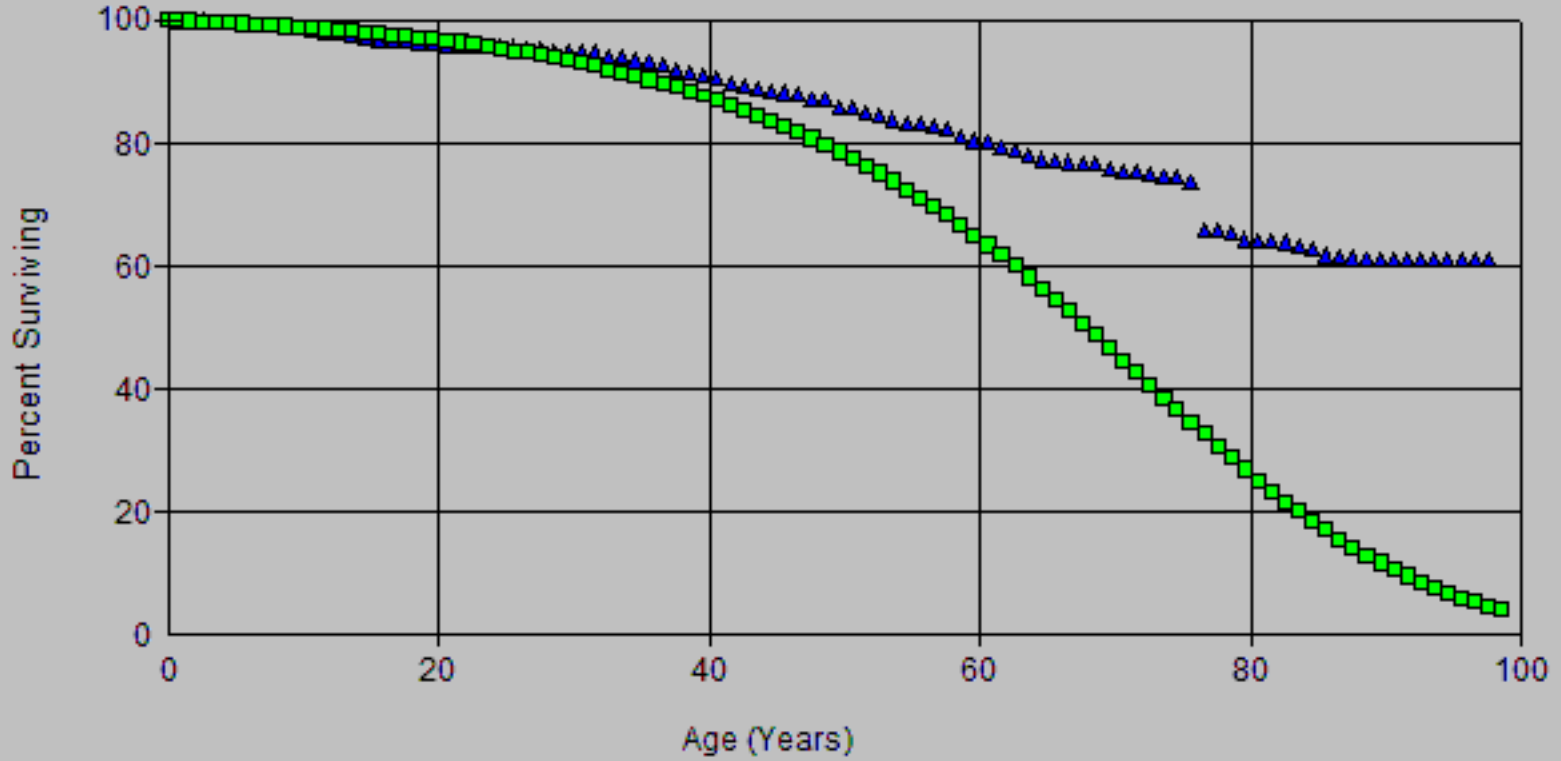
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 70.00



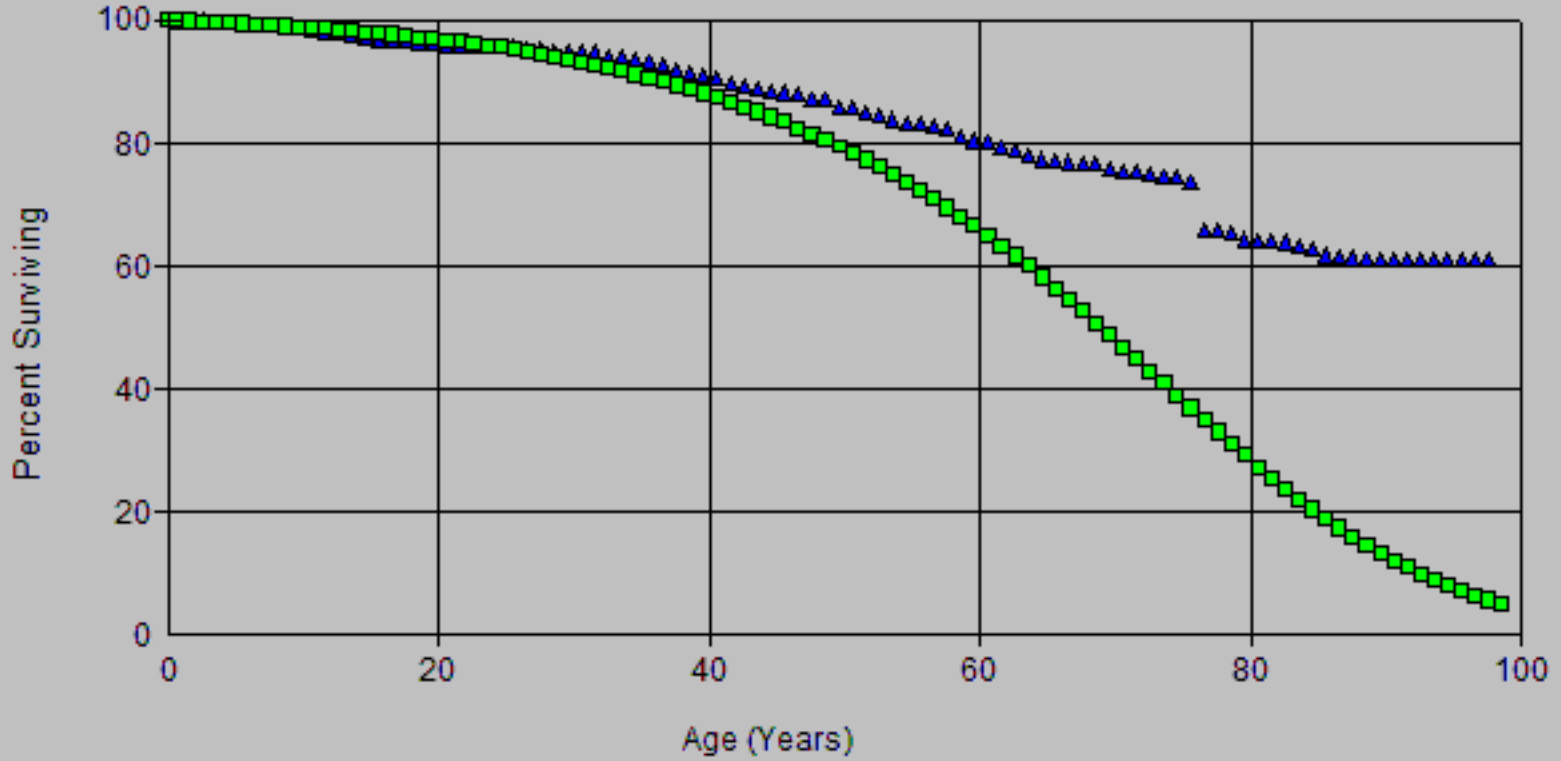
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 65.00



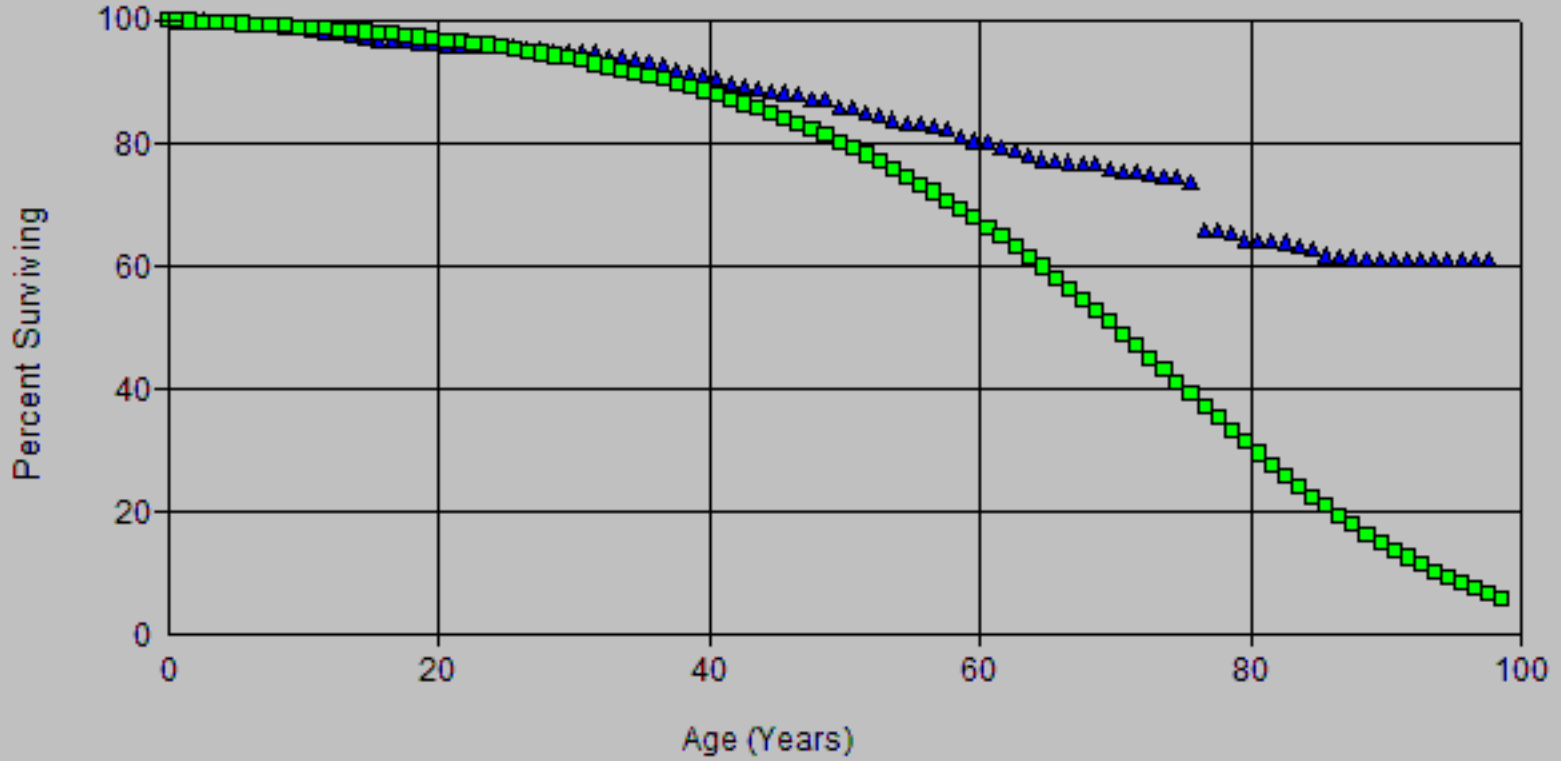
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 66.00



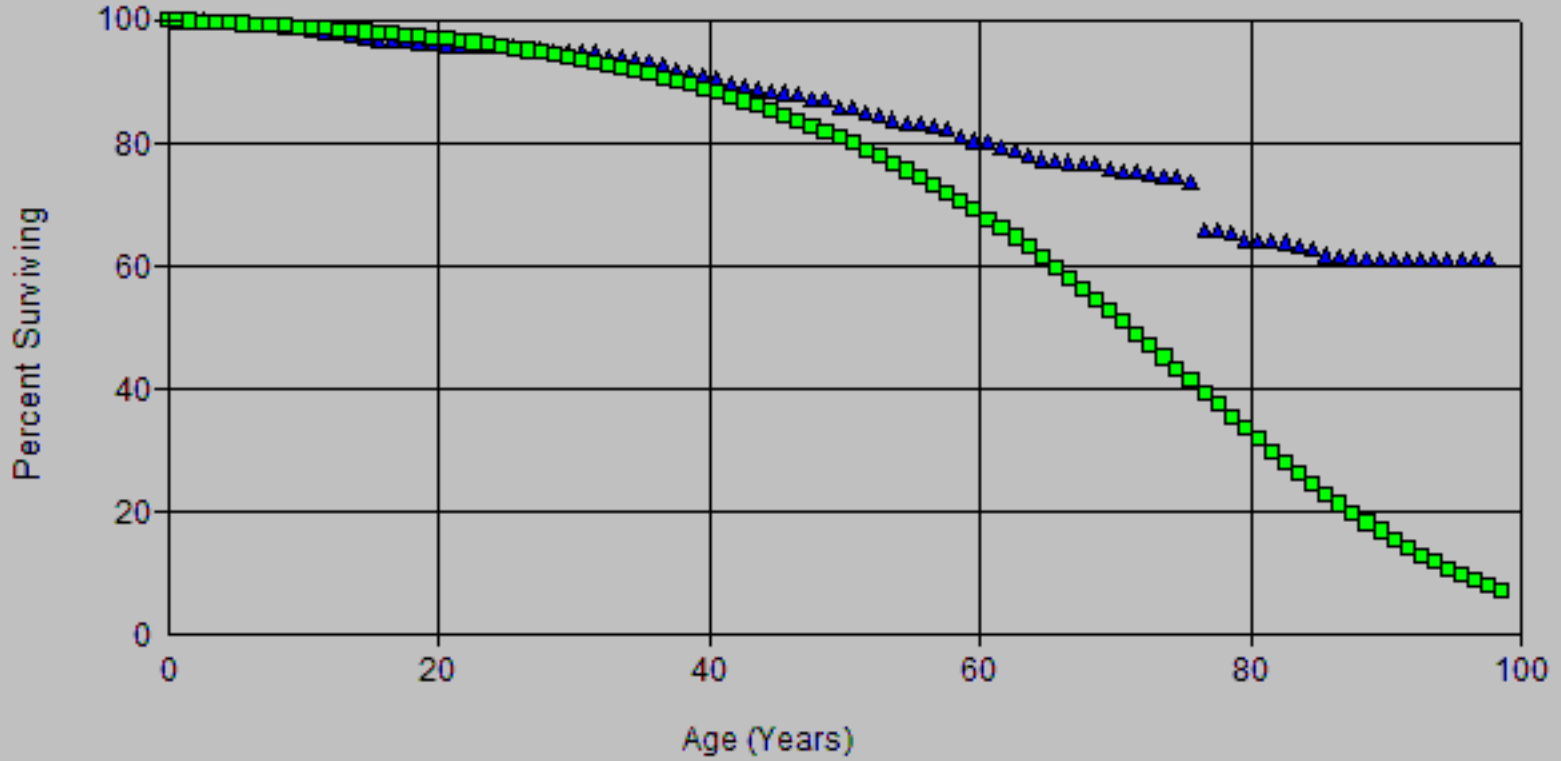
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 67.00



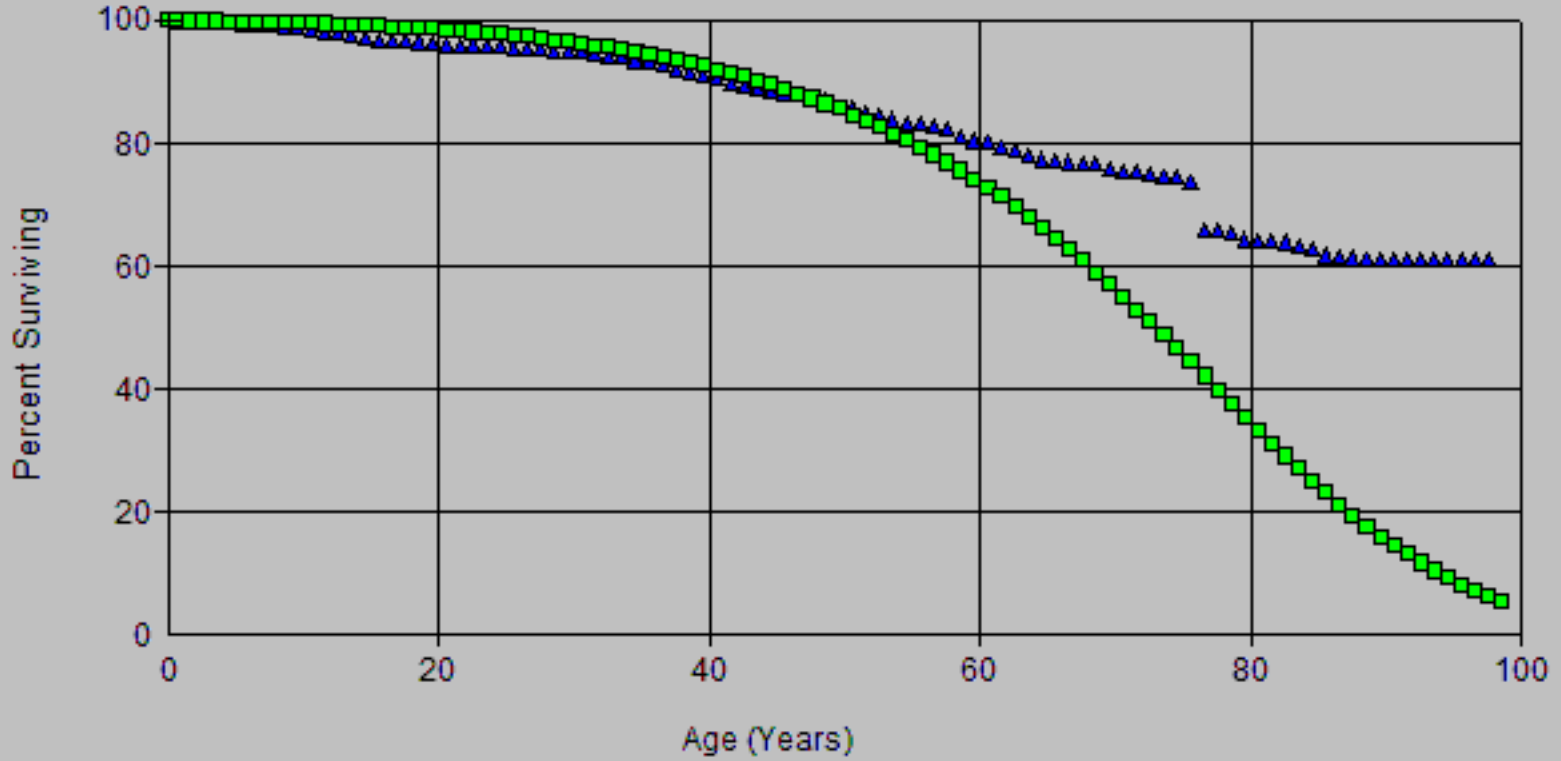
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 68.00



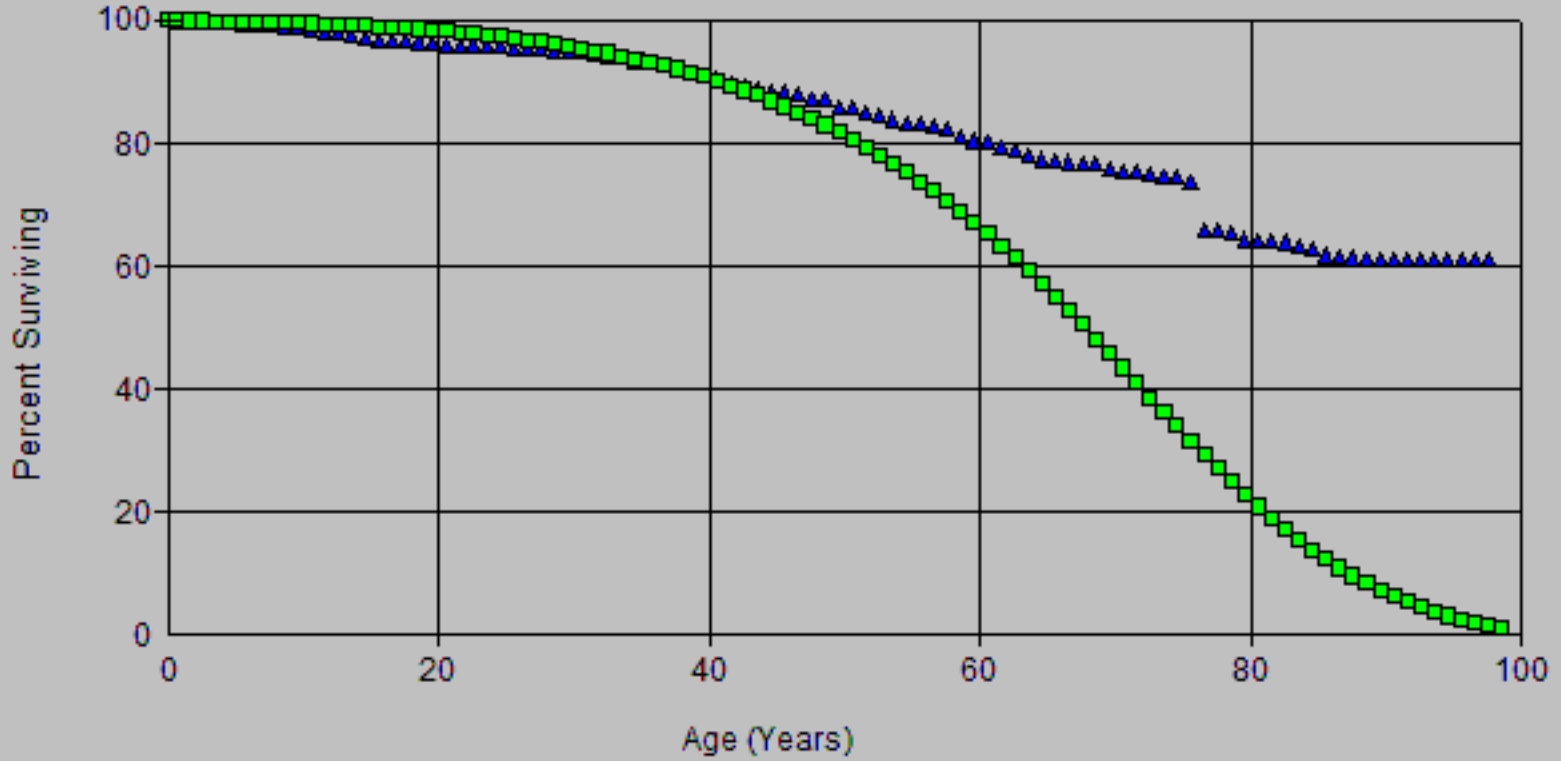
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 70.00



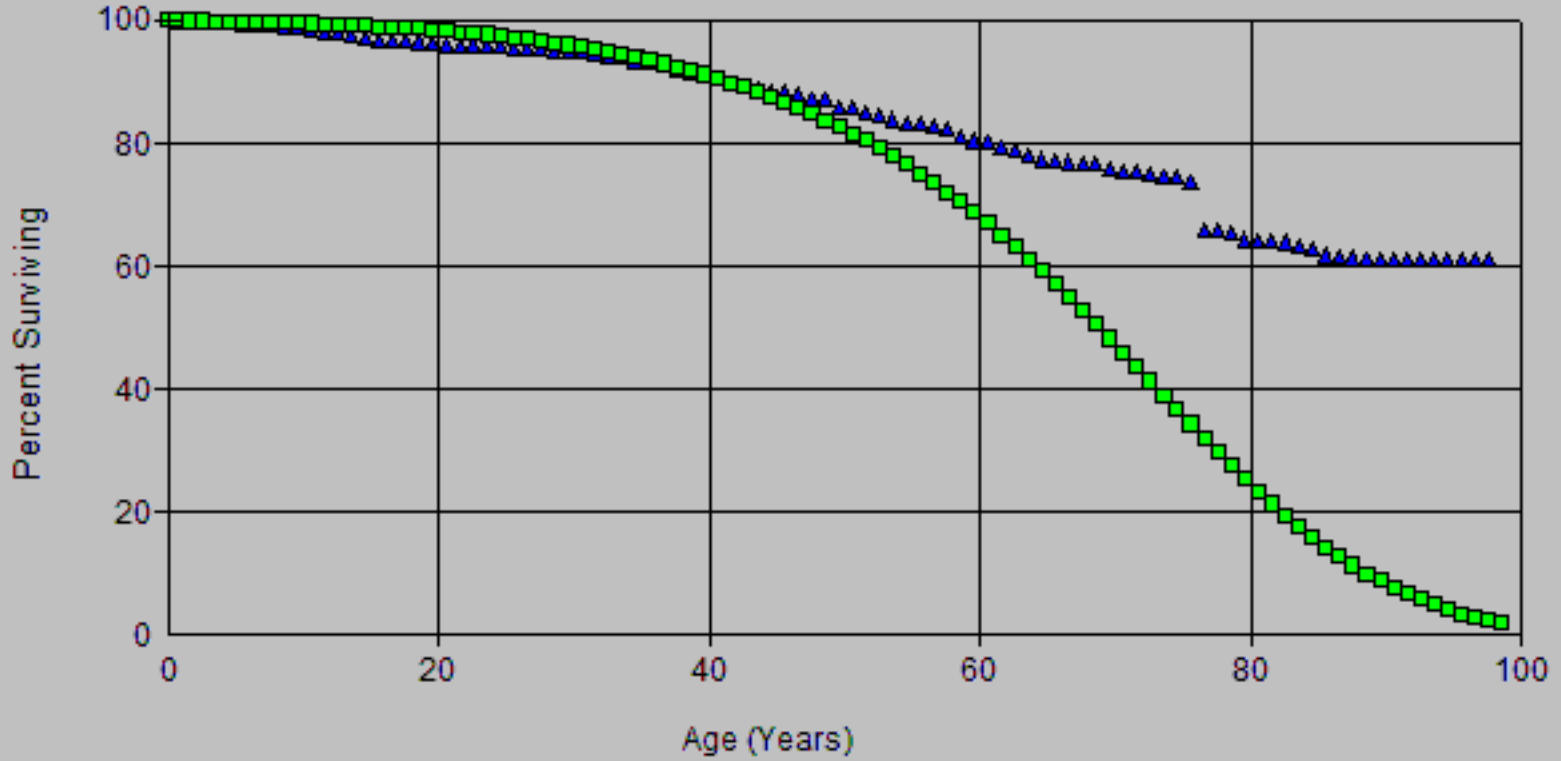
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 65.00



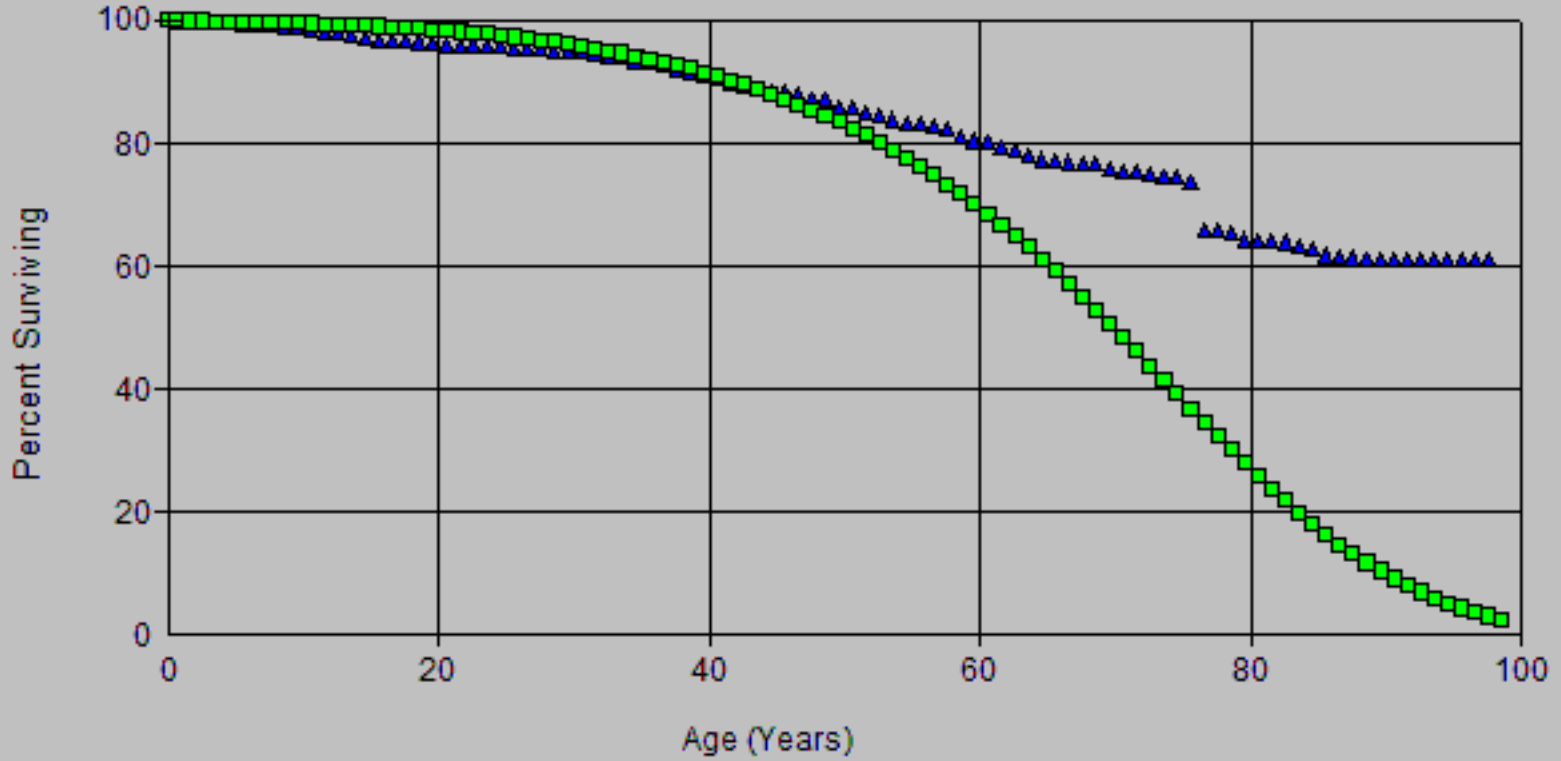
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 66.00



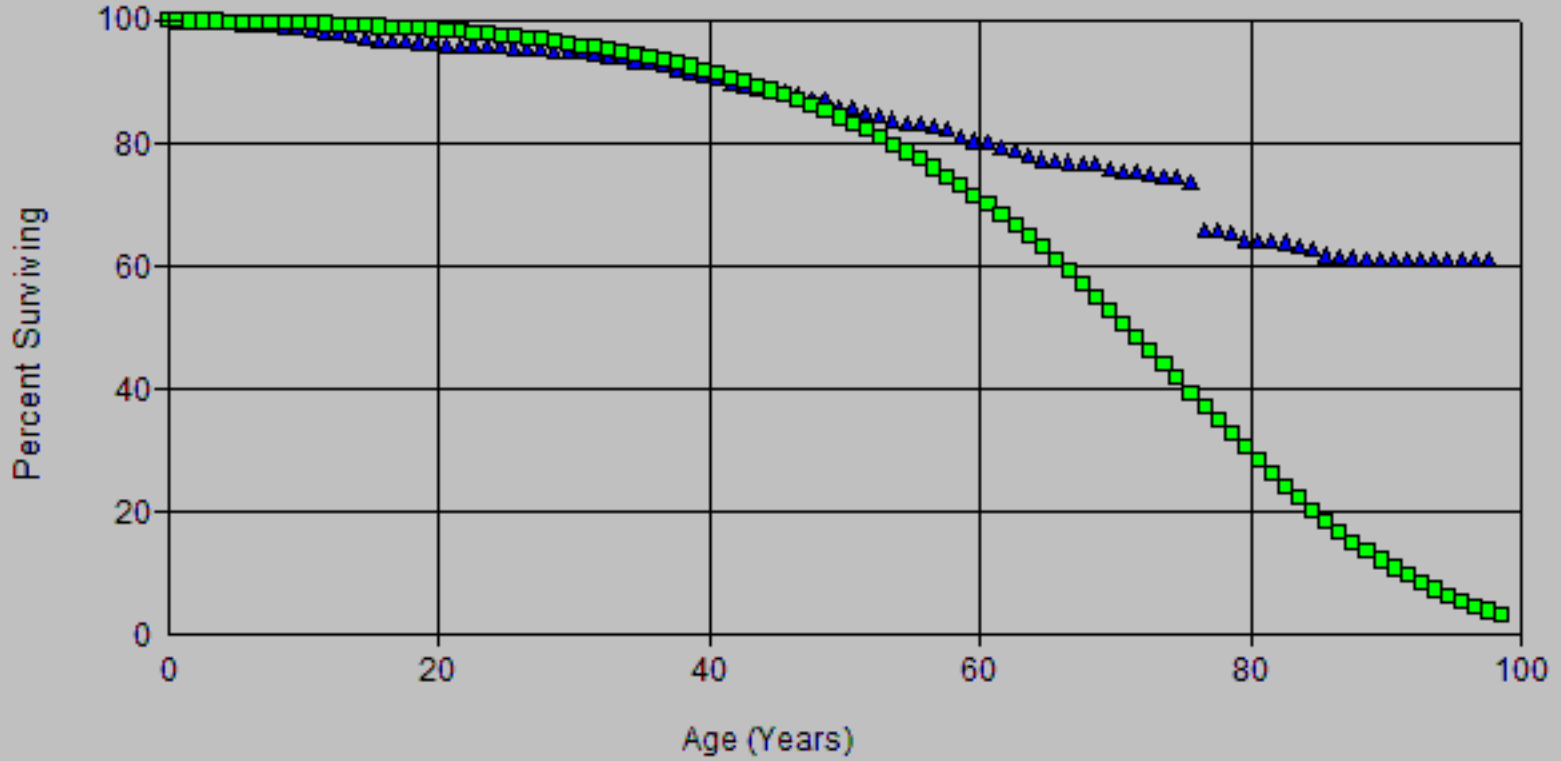
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 67.00



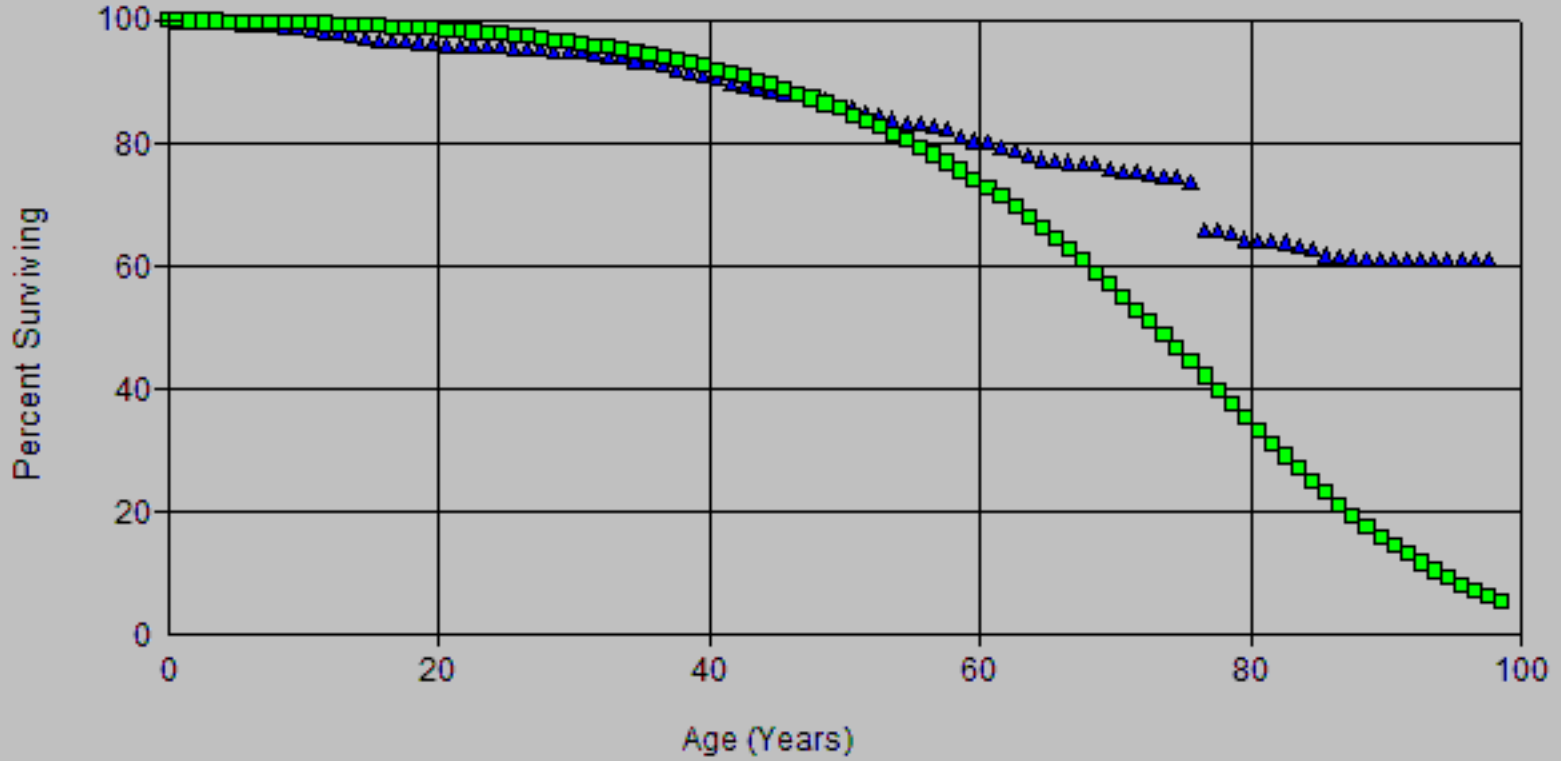
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 68.00



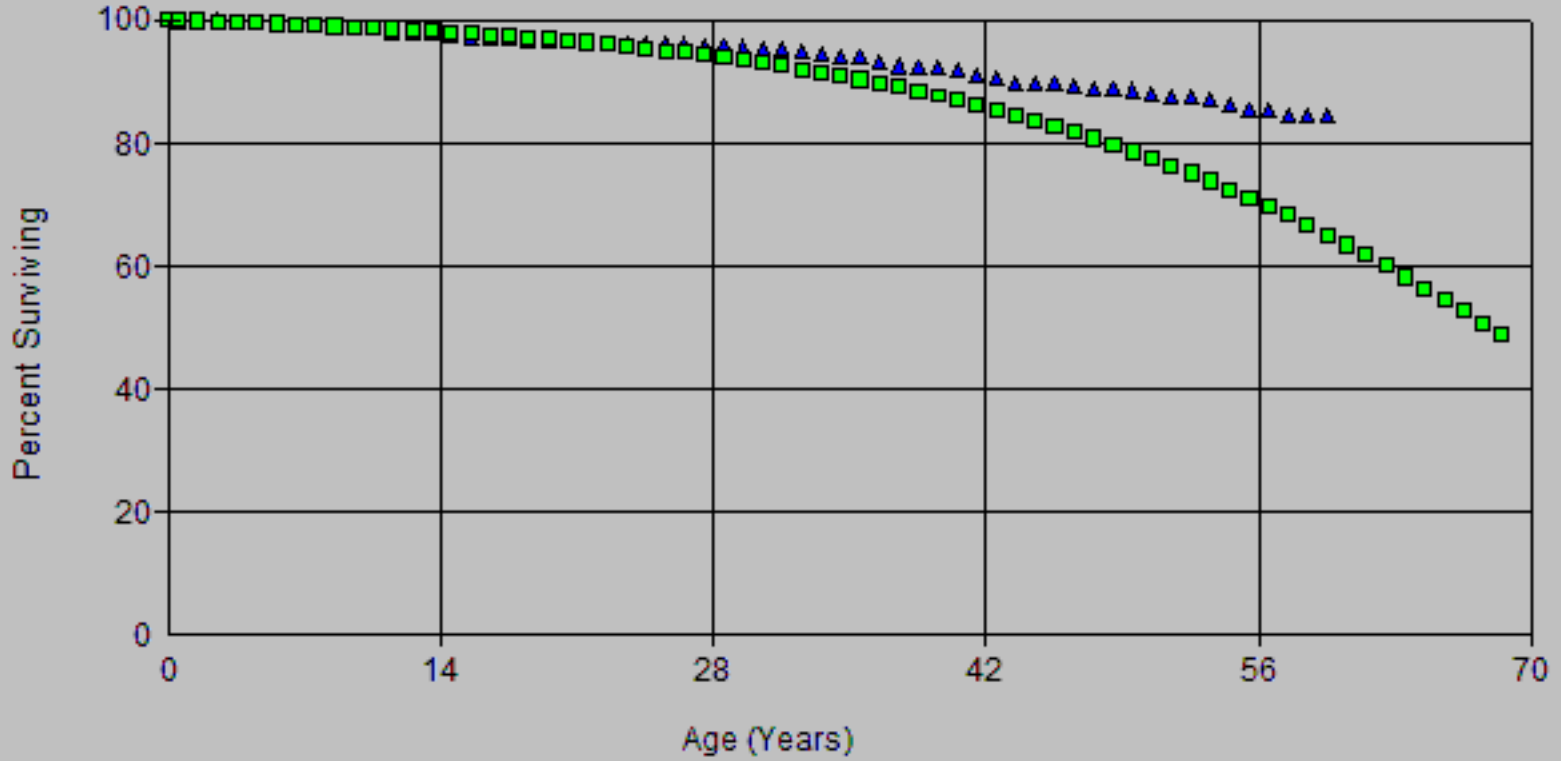
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 70.00



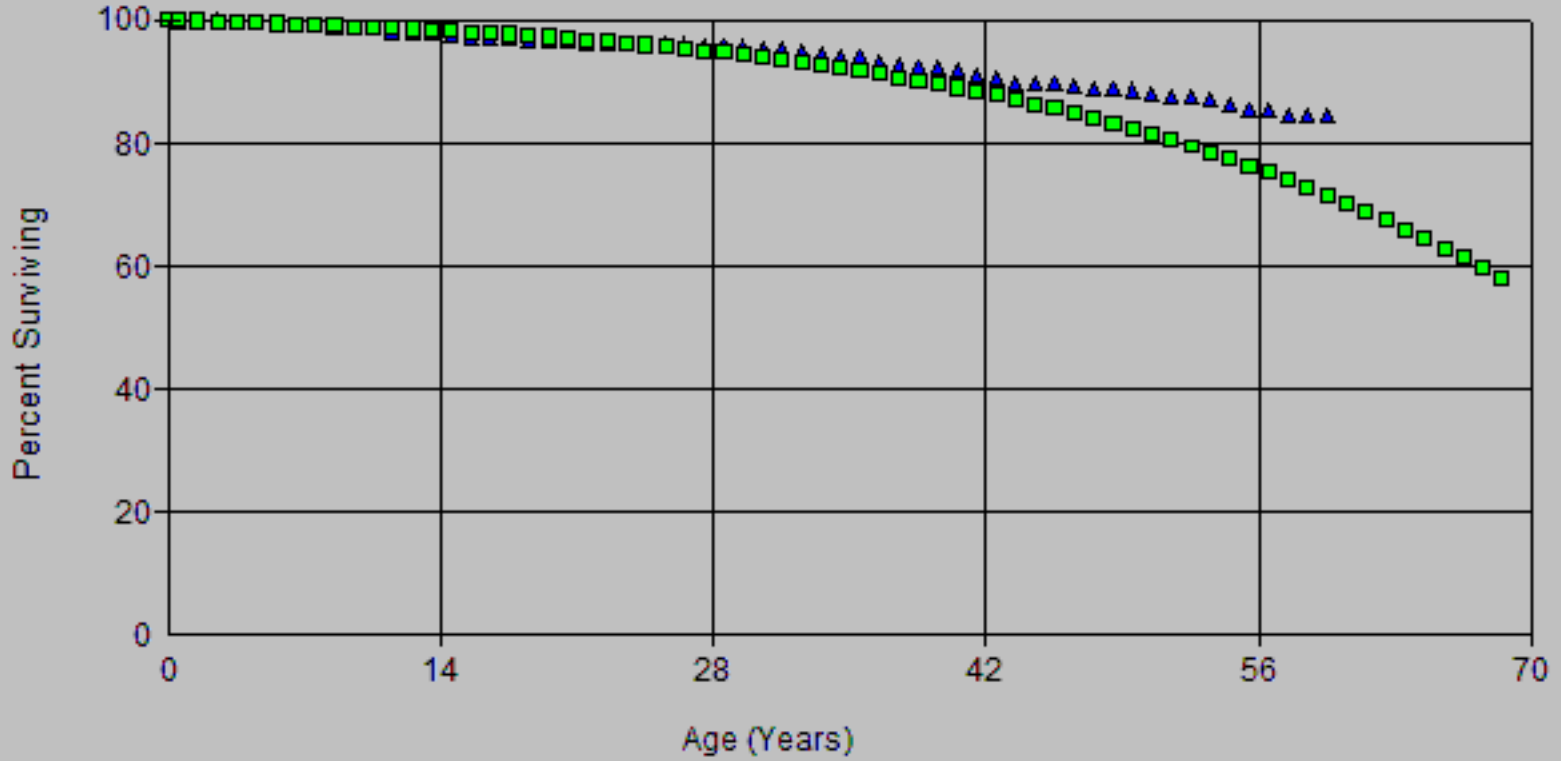
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 65.00



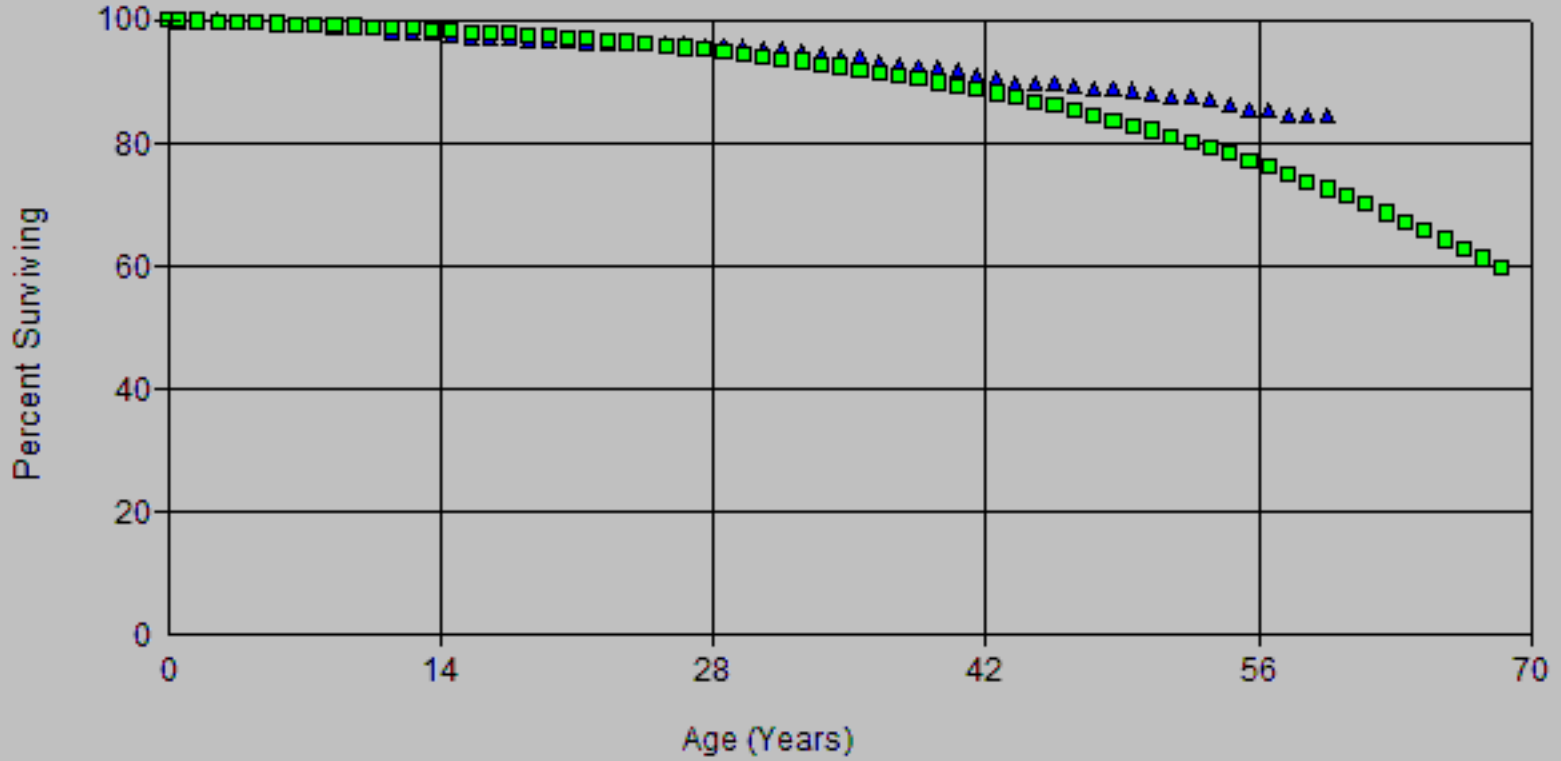
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 70.00



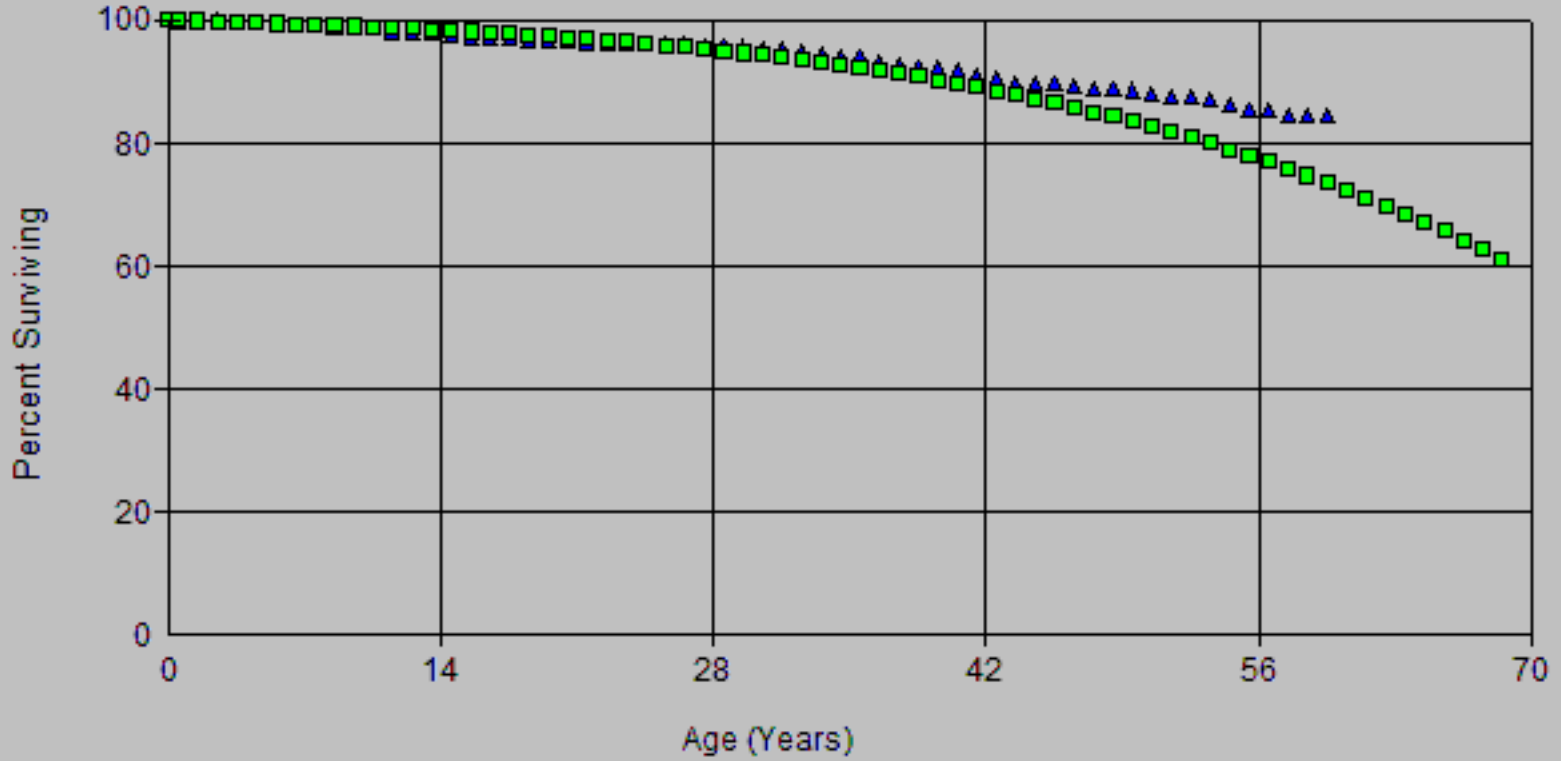
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 71.00



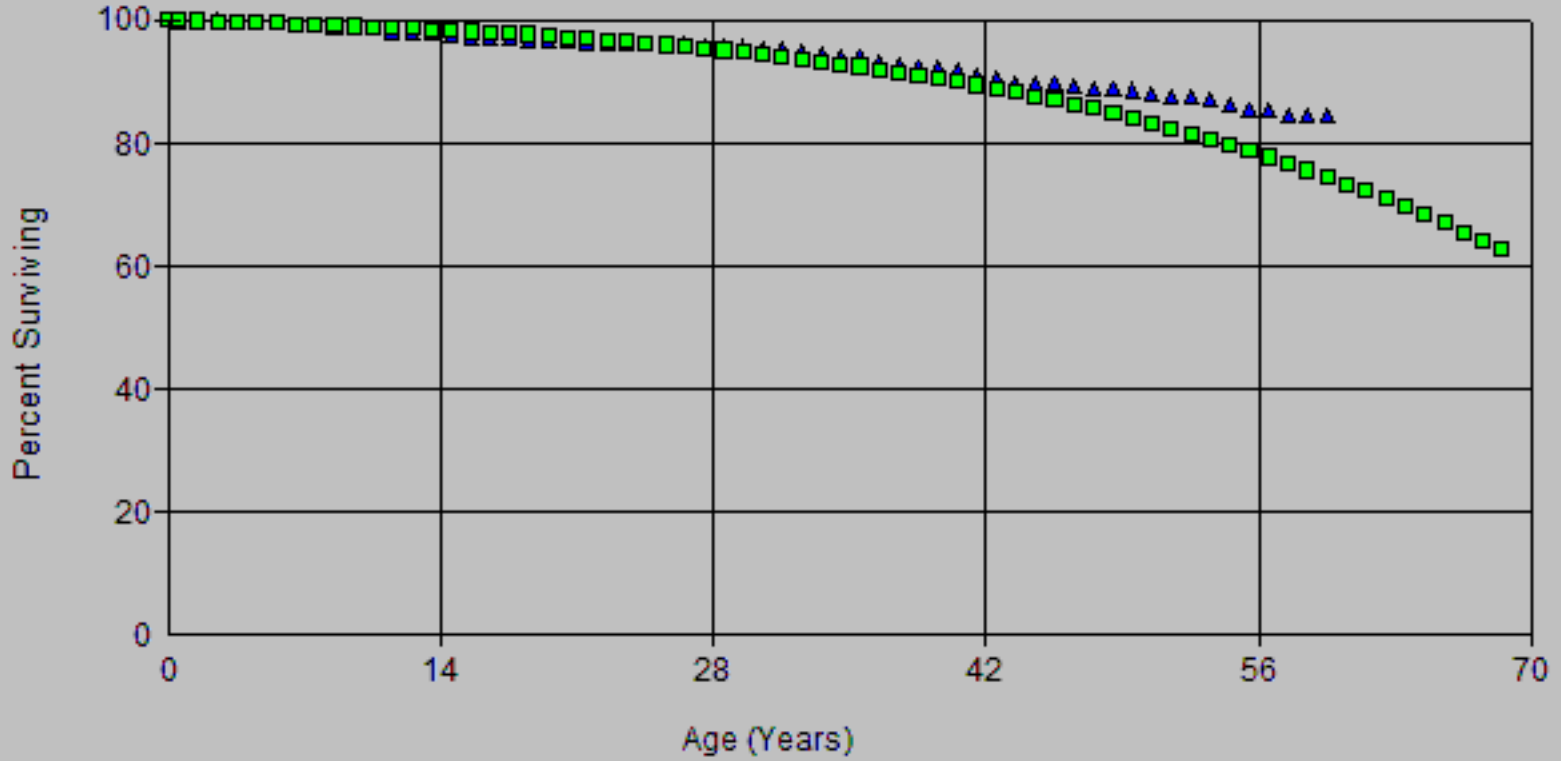
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 72.00



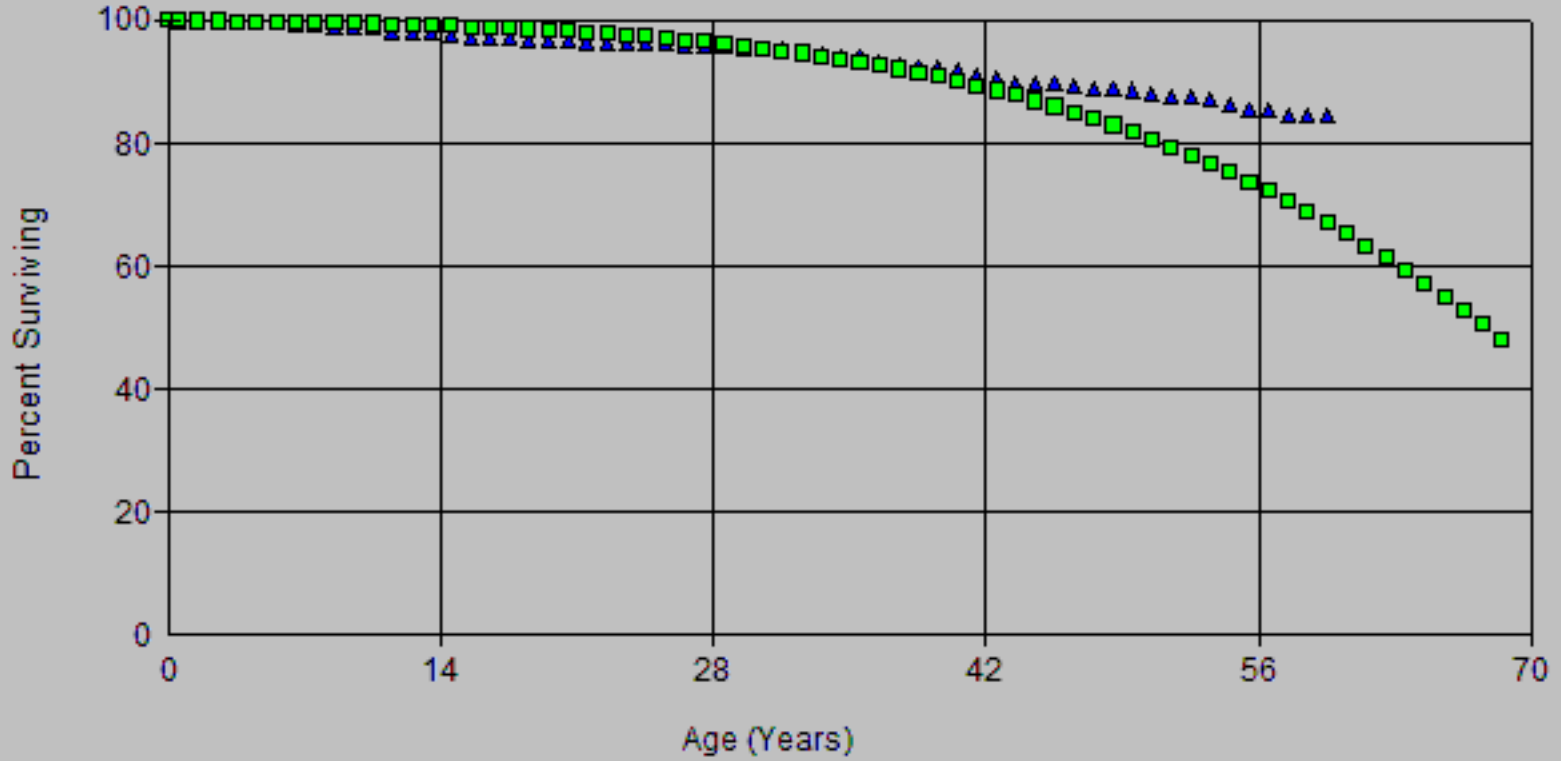
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 73.00



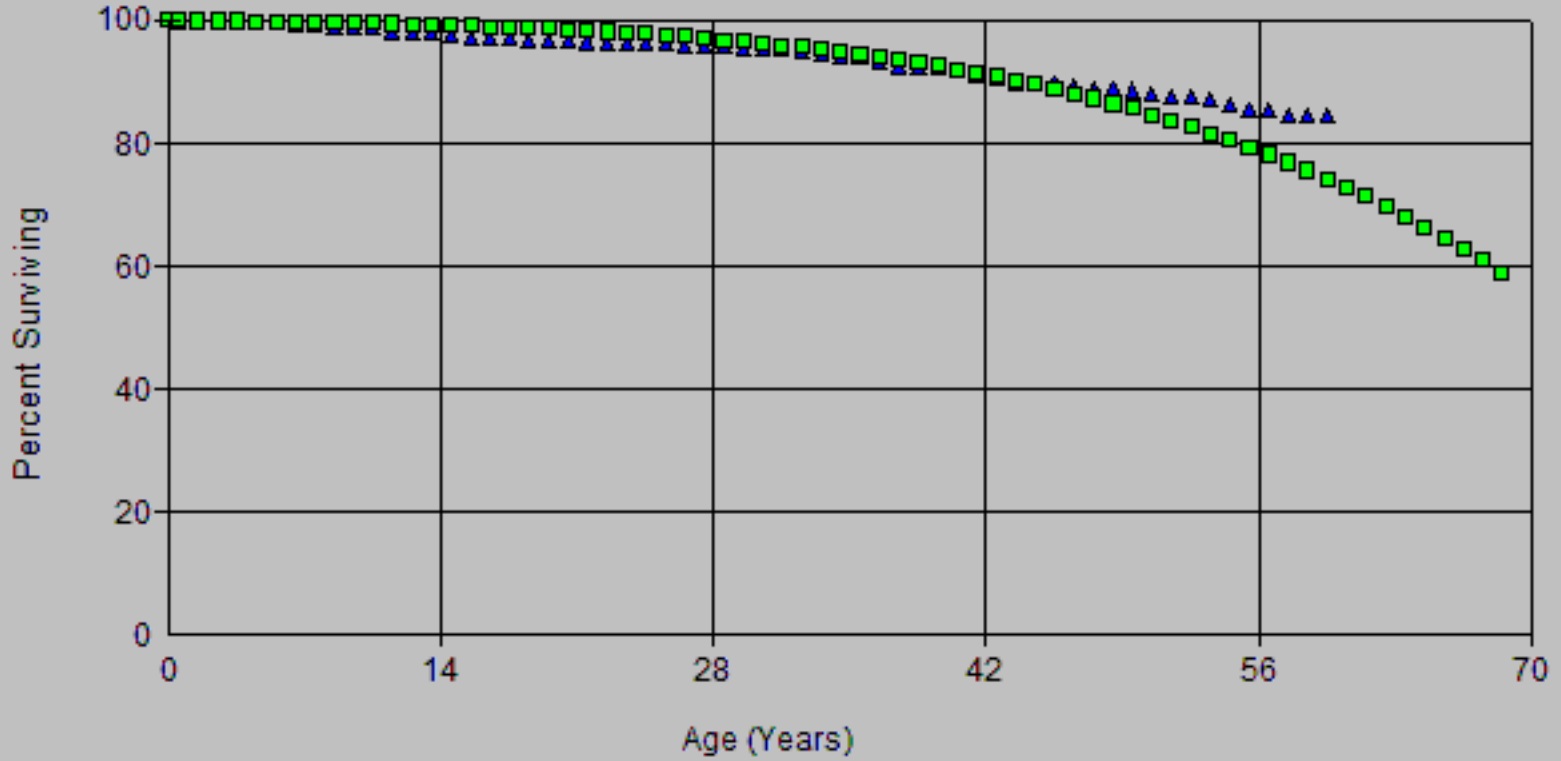
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 65.00



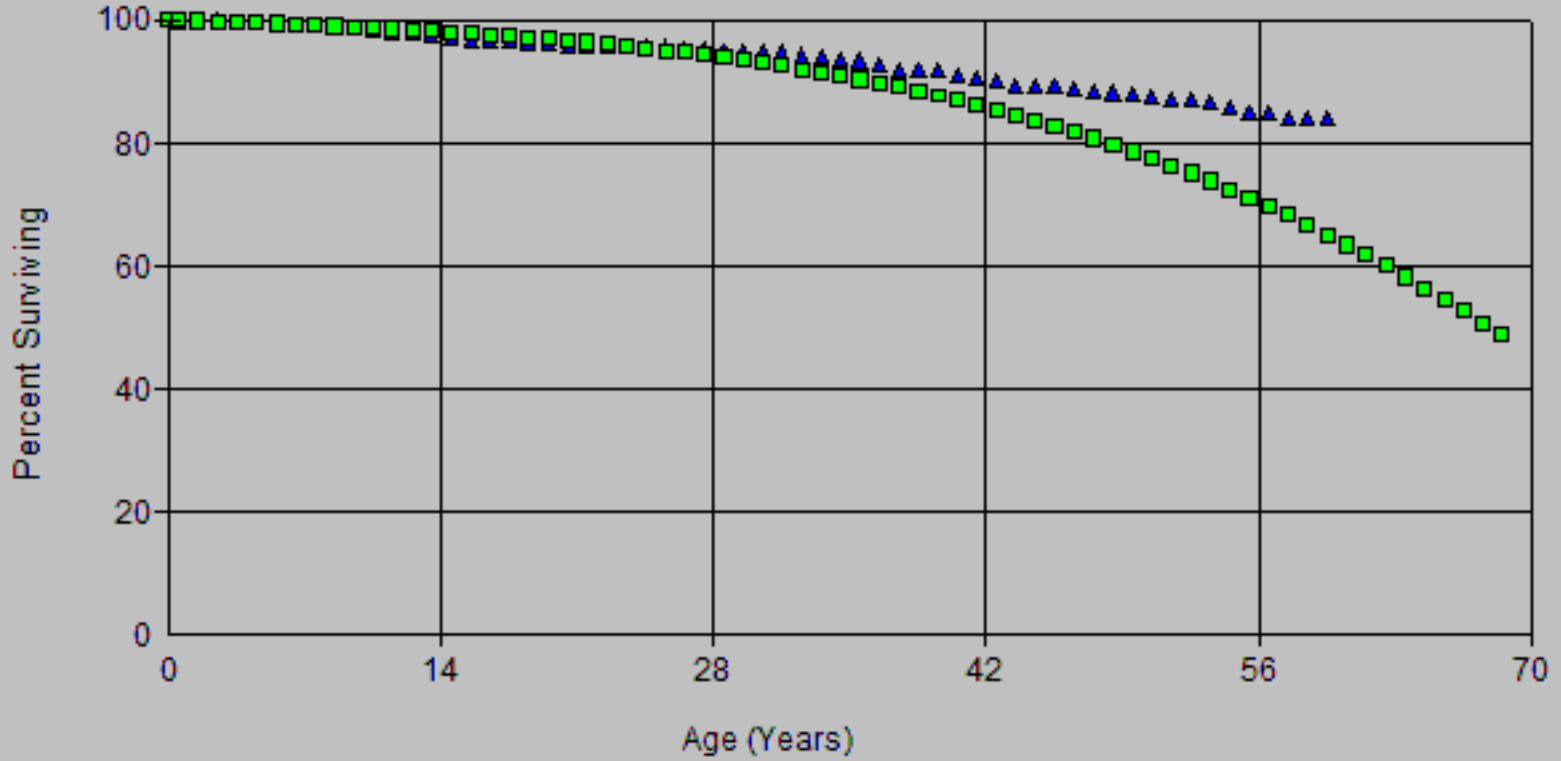
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 70.00



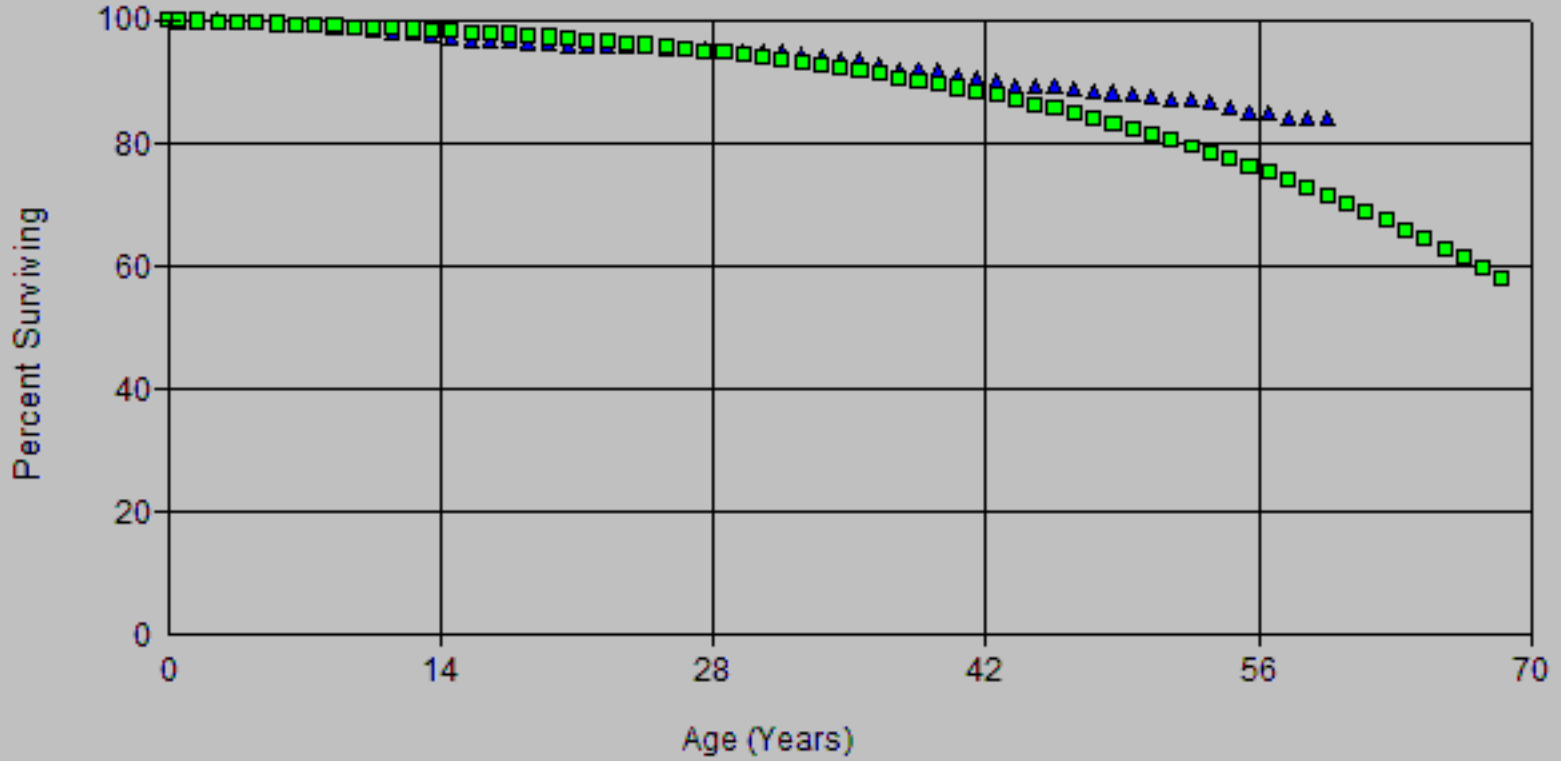
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 65.00



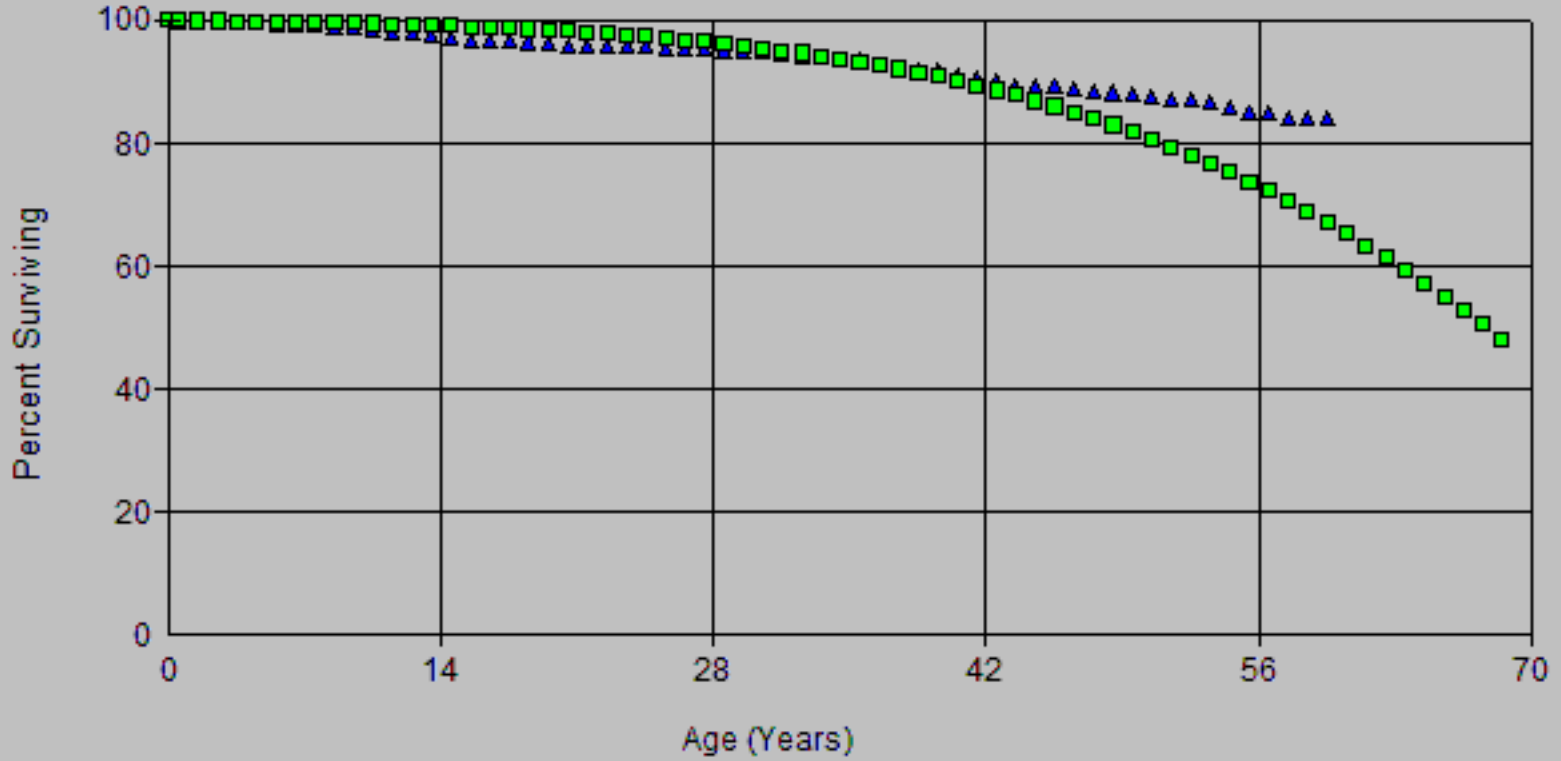
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 70.00



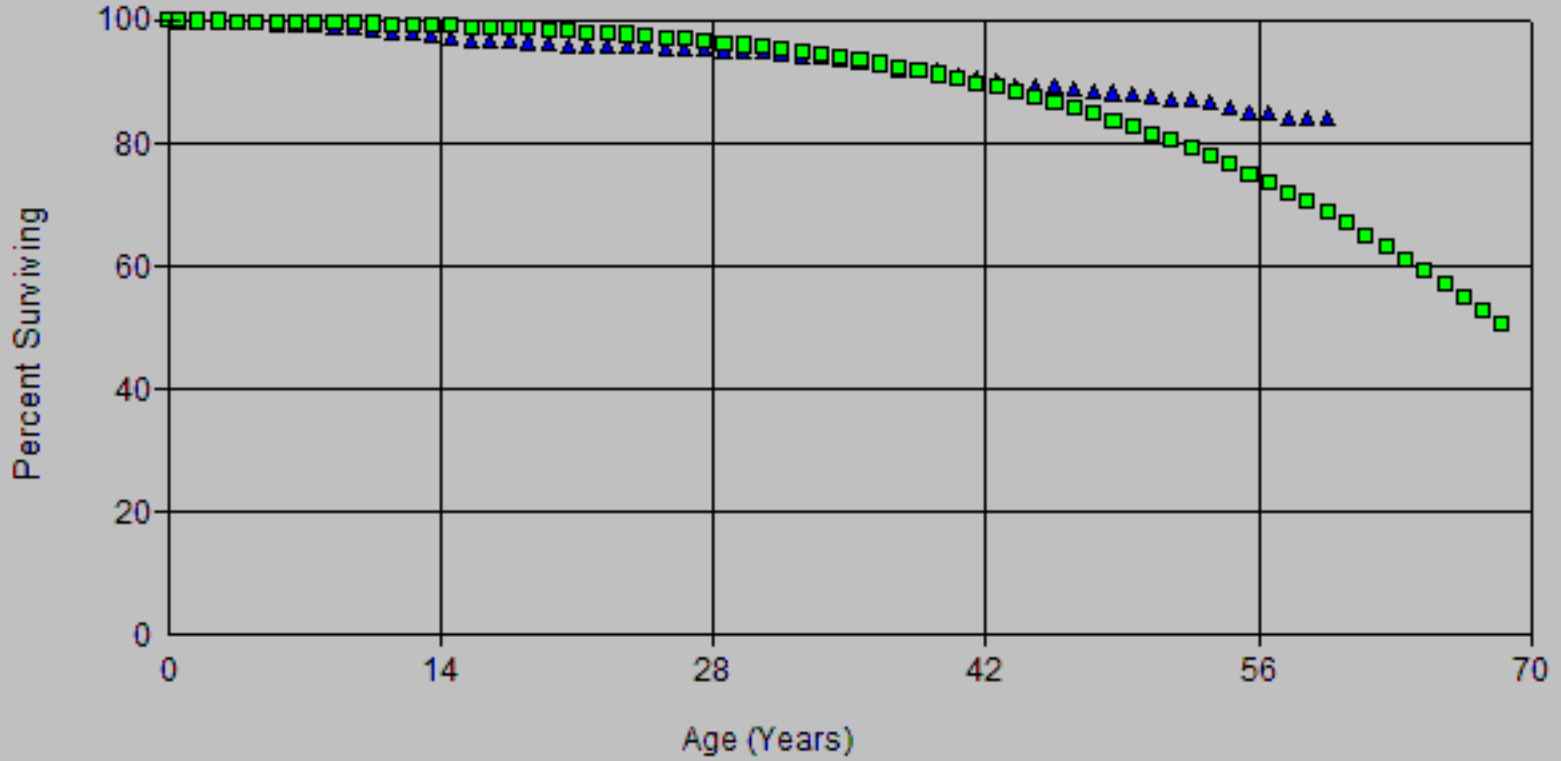
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 65.00



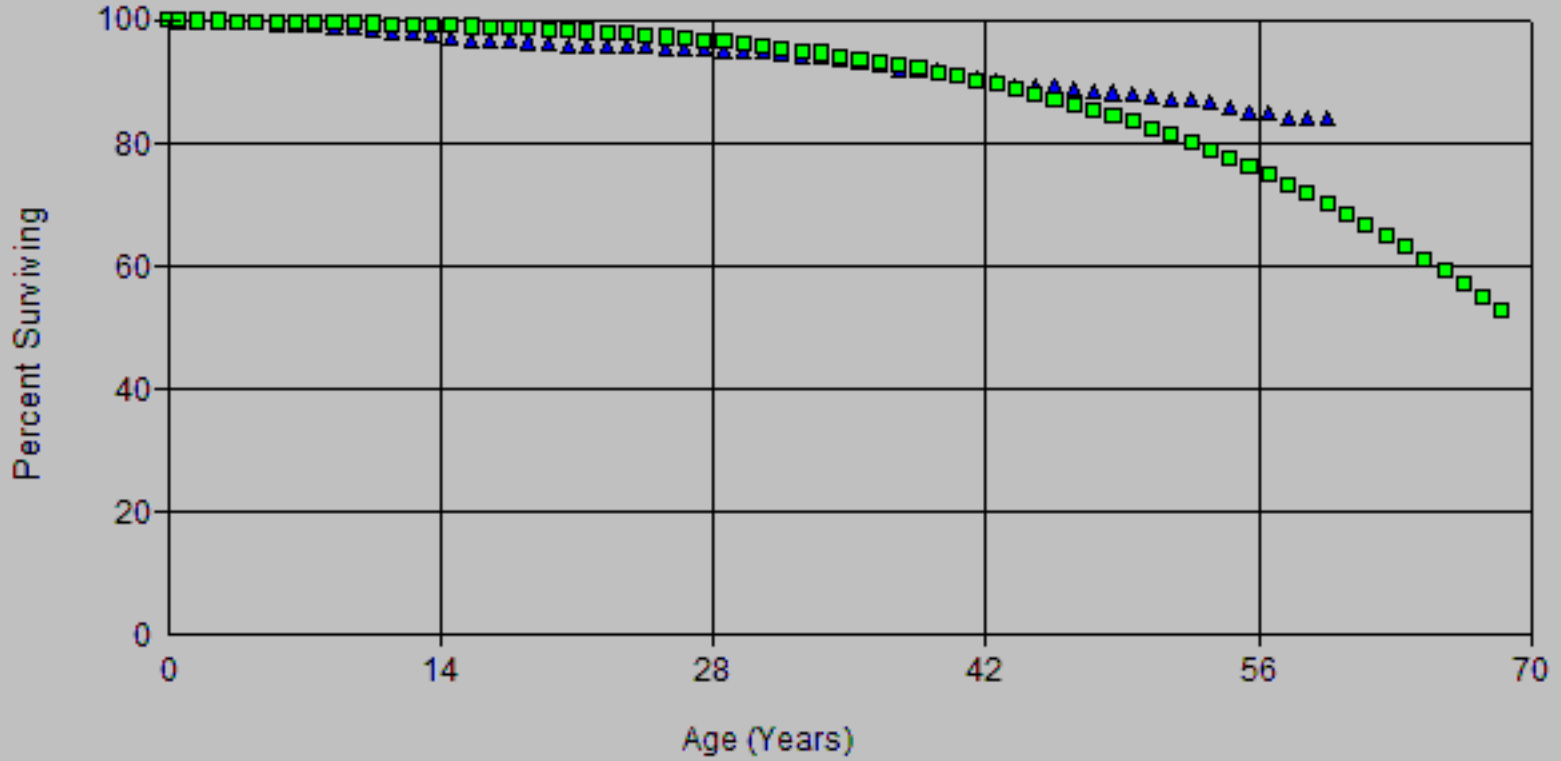
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 66.00



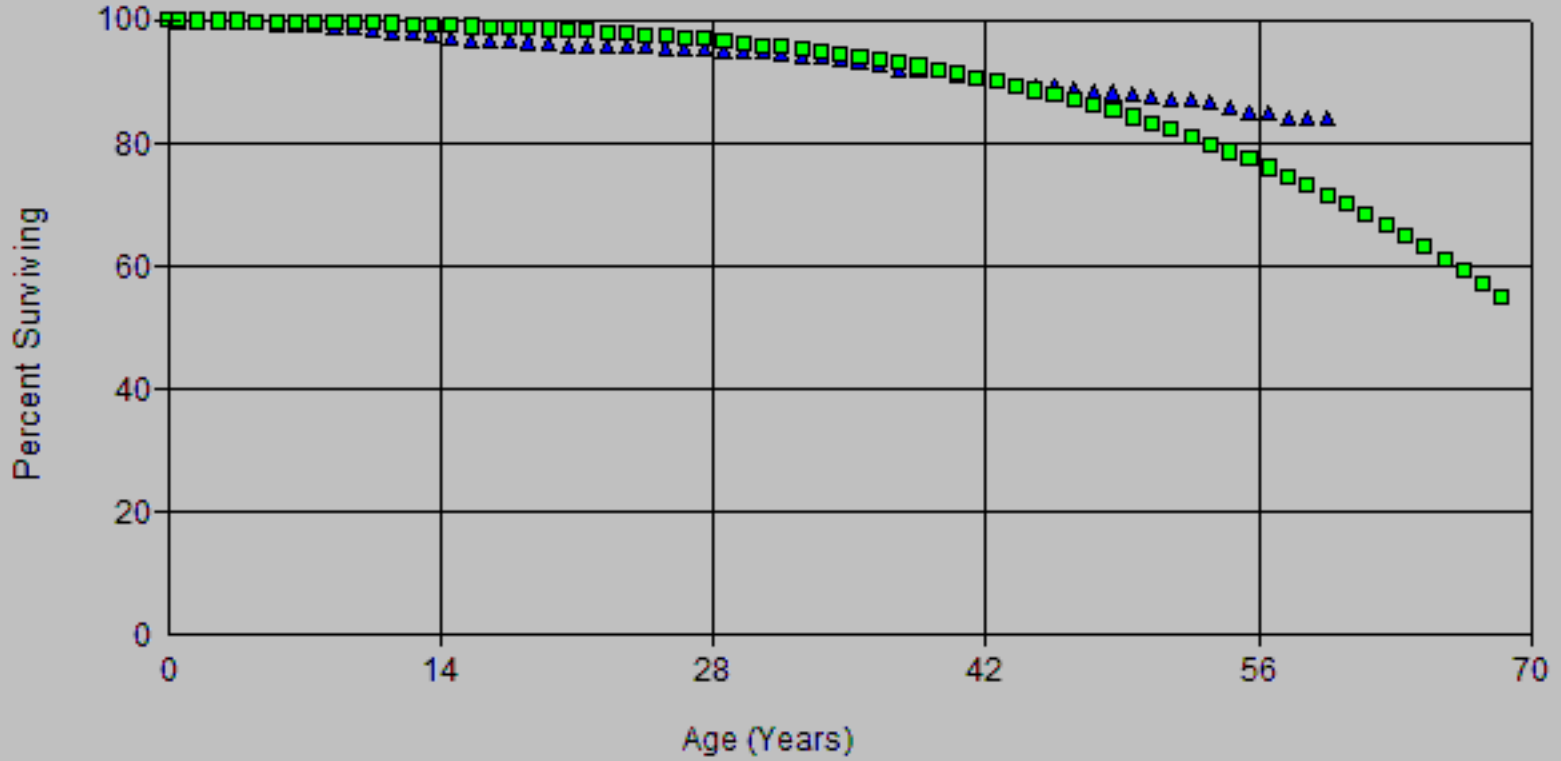
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 67.00



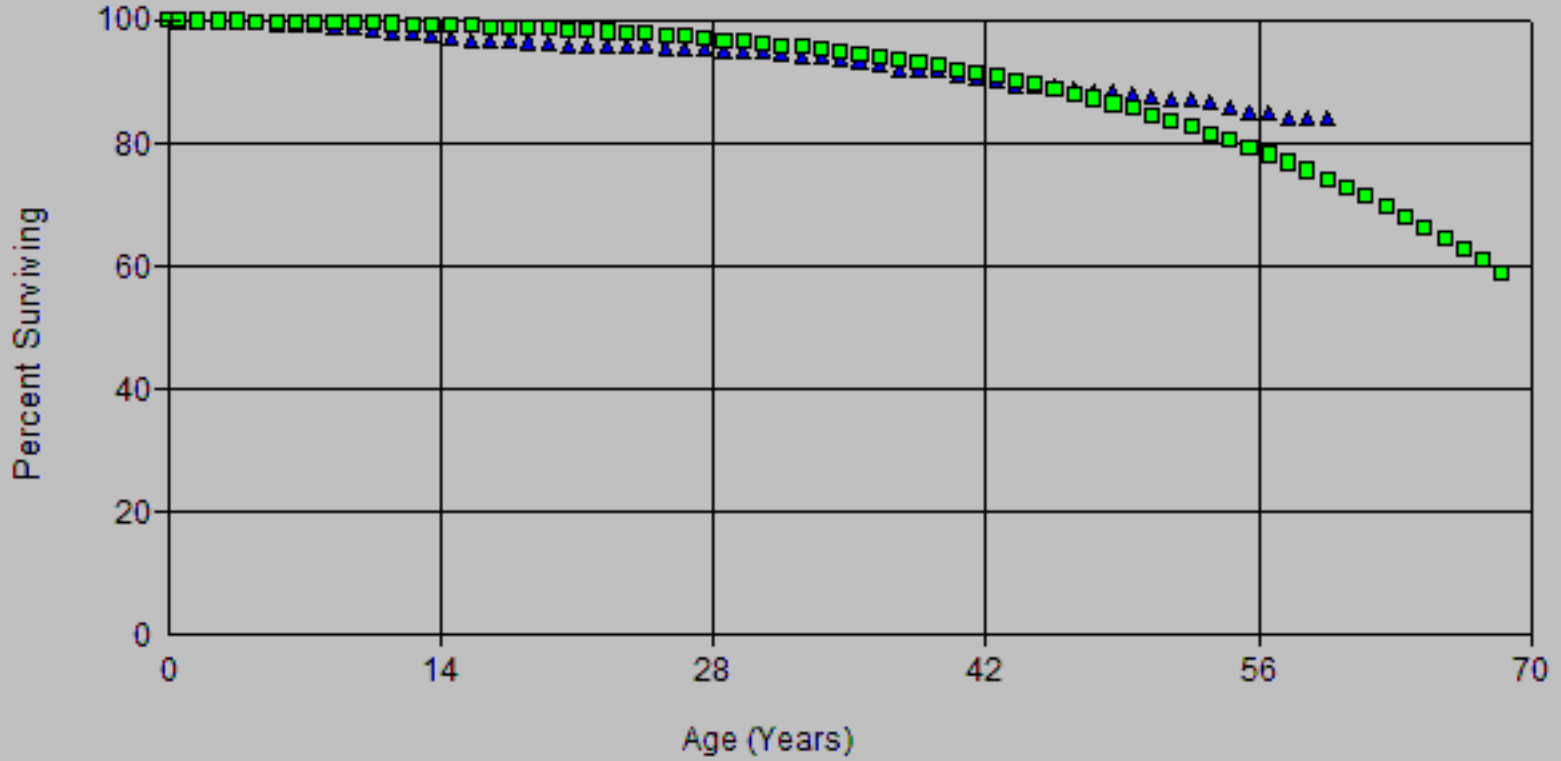
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 68.00



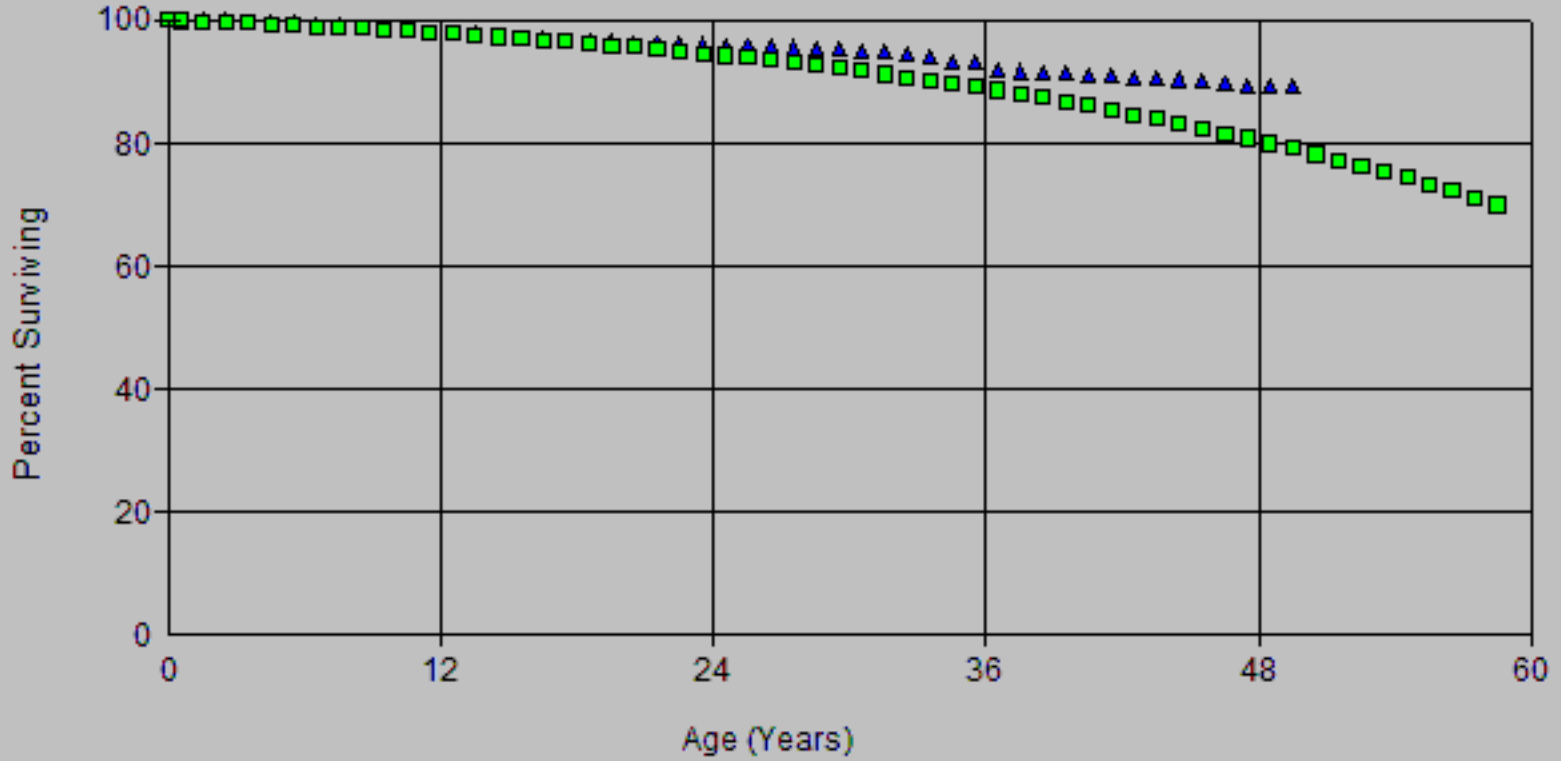
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 70.00



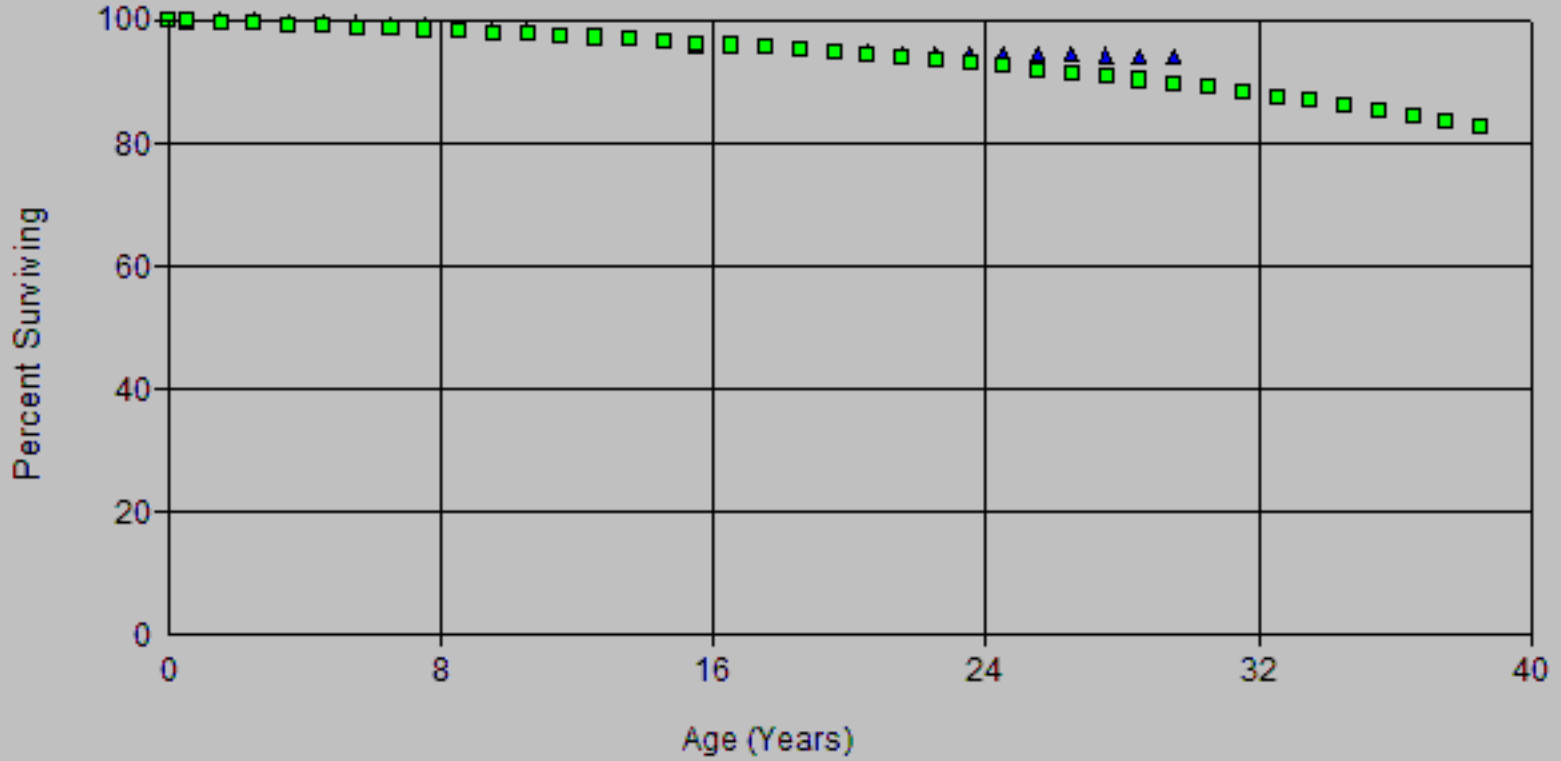
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2 70.00



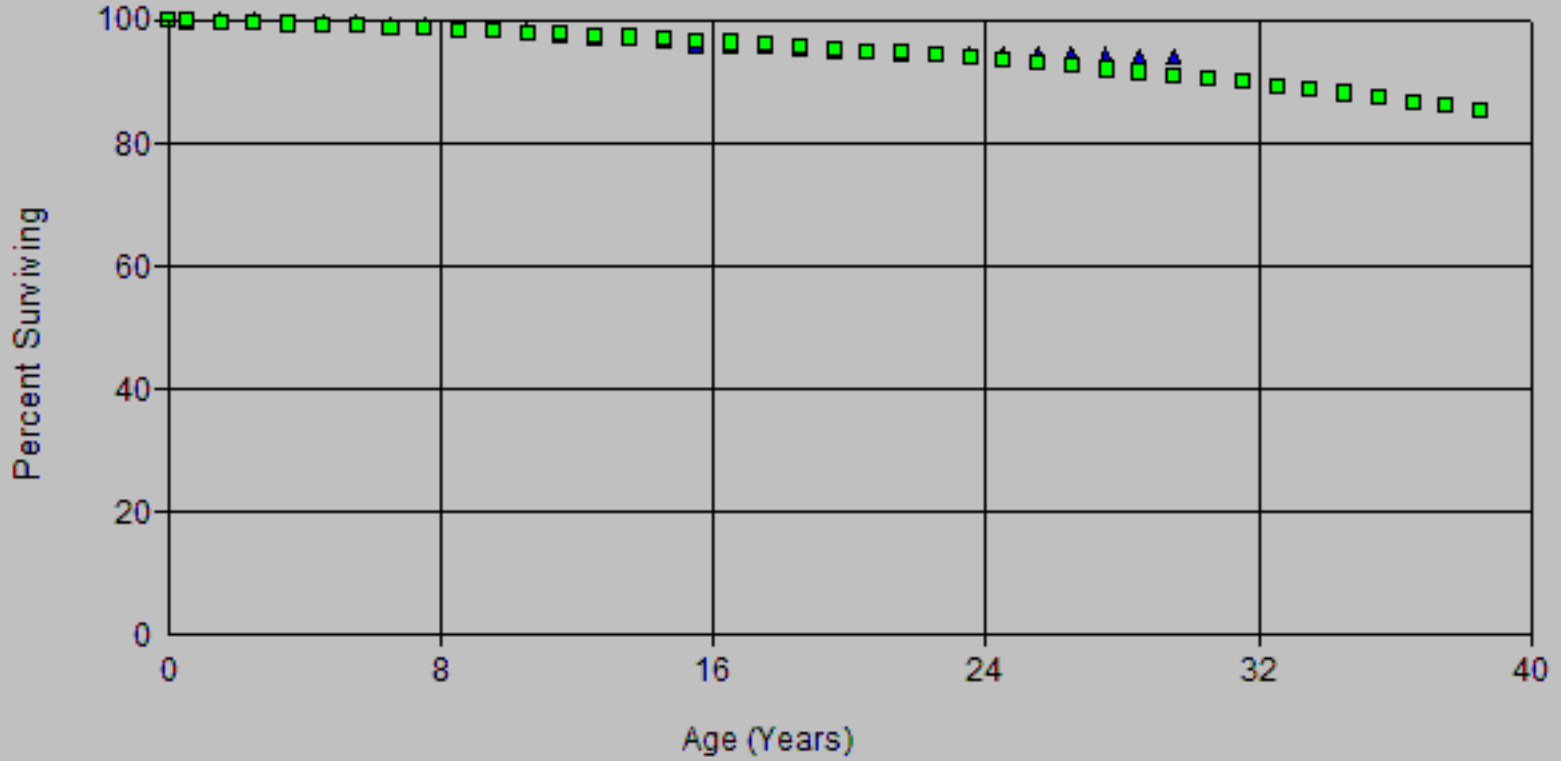
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2 60.00



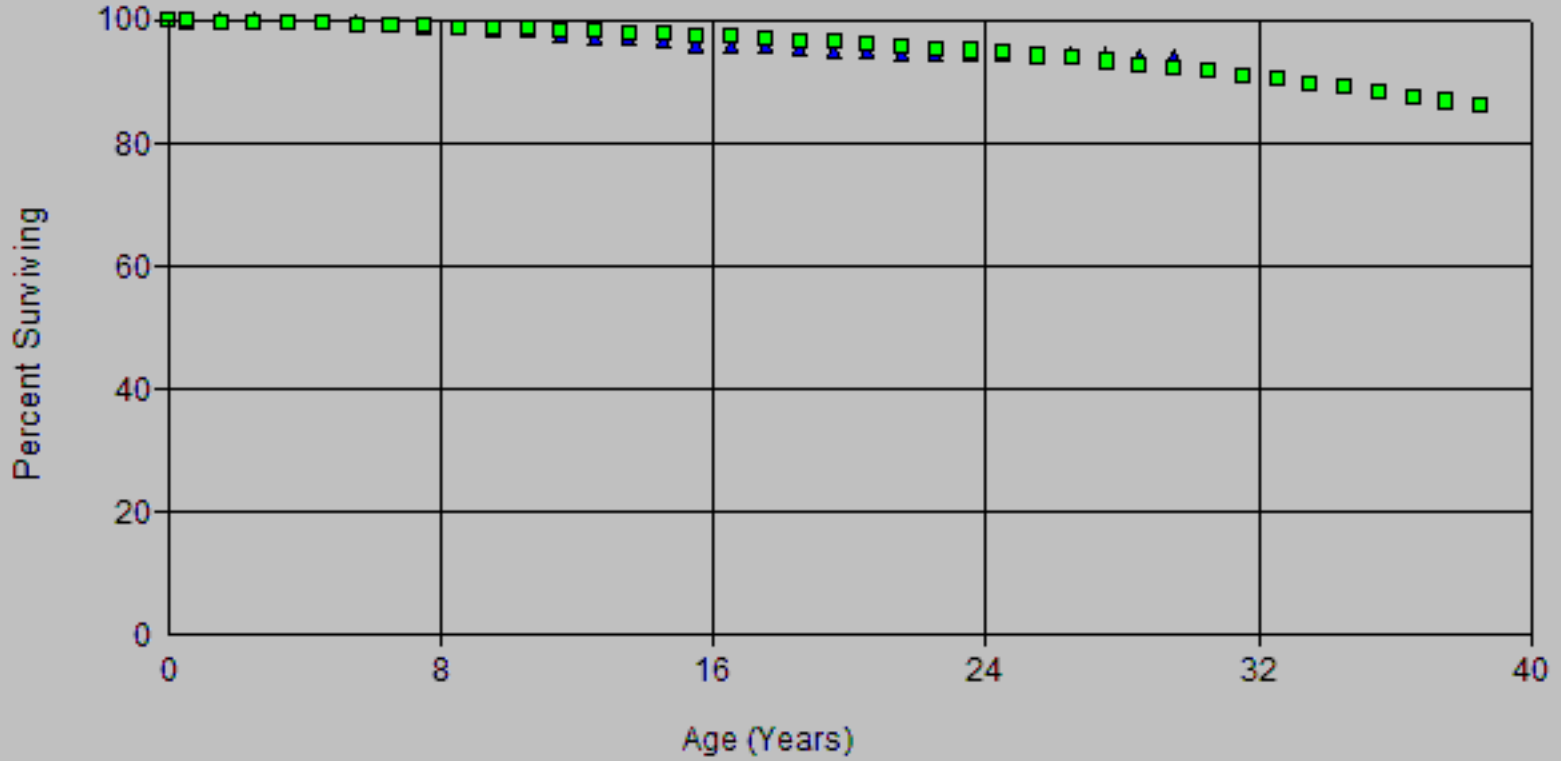
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2 65.00



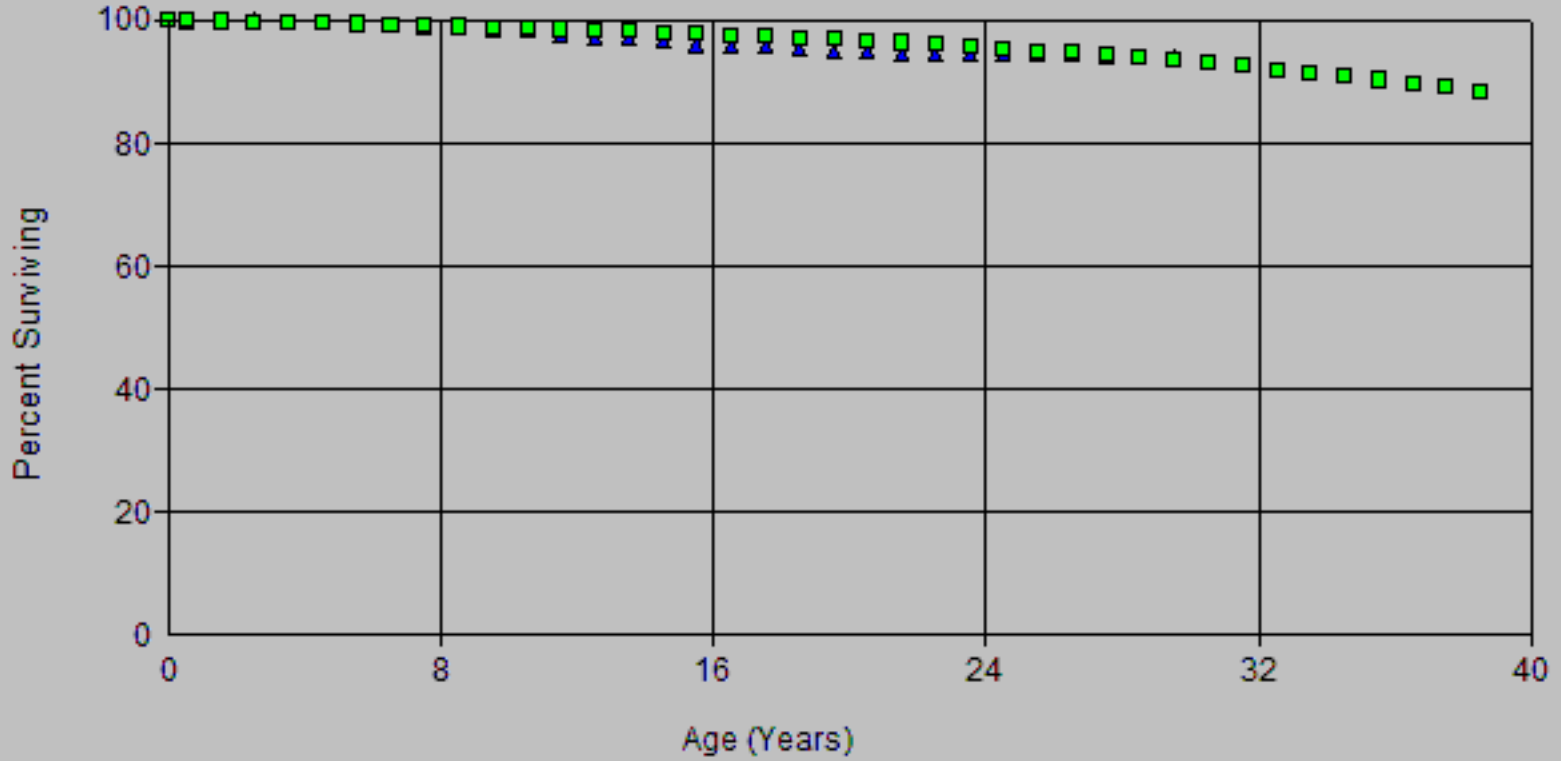
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 60.00



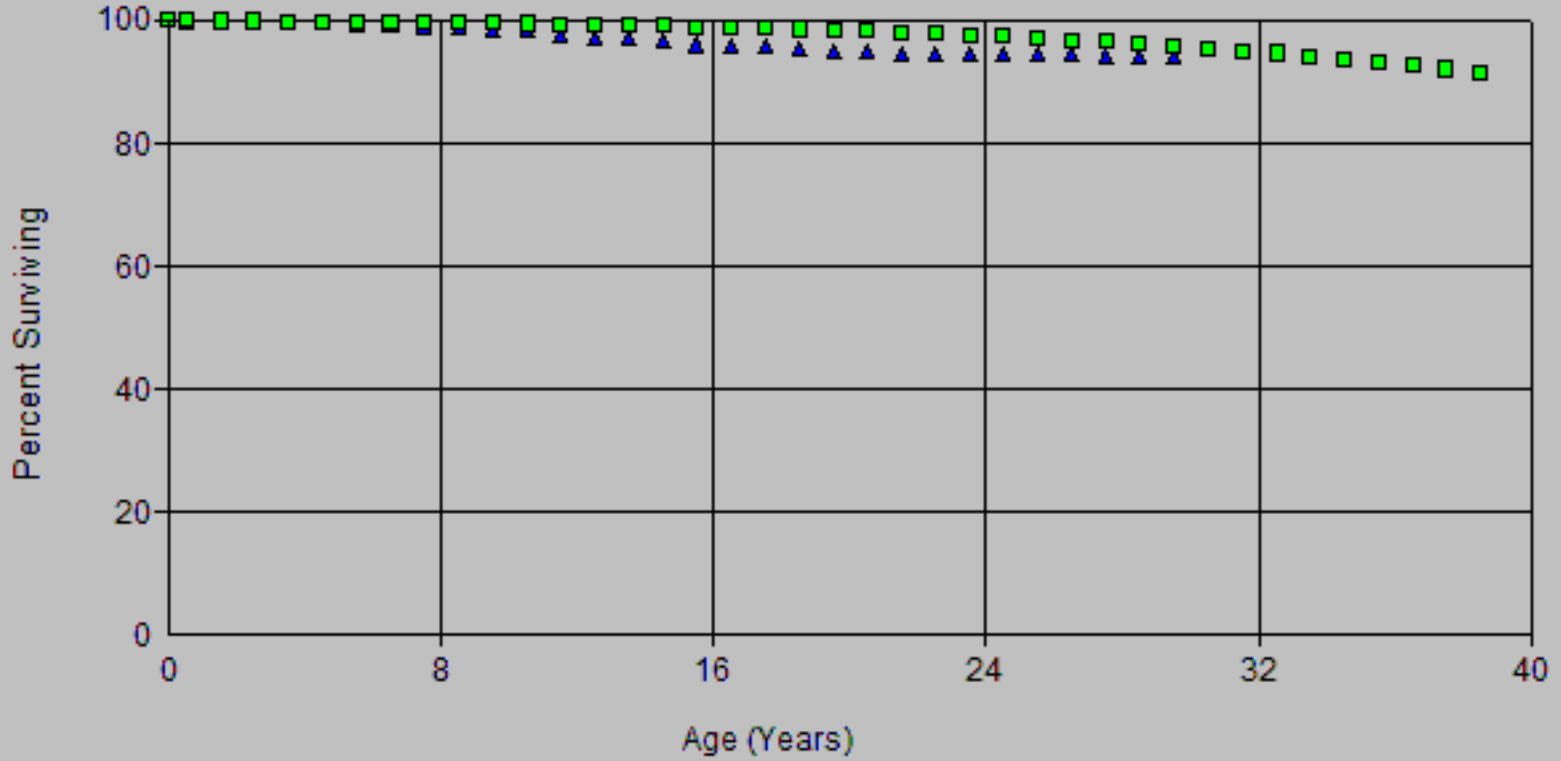
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 65.00



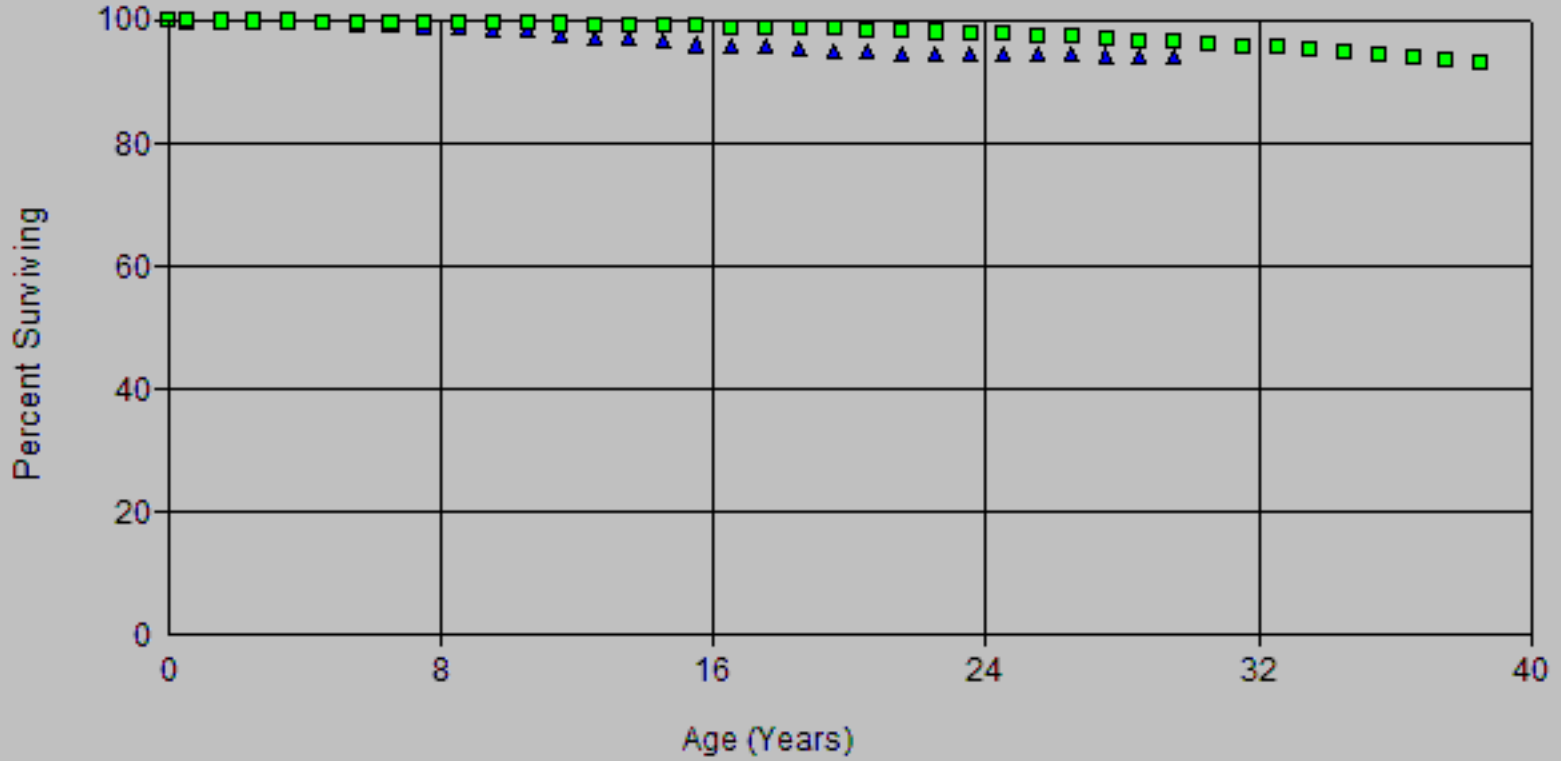
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 65.00



Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 70.00



Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1918 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	2,792,602,242.33	367,724.99	0.00013	0.99987	100.00
0.5	2,604,653,082.16	24,024.68	0.00001	0.99999	99.99
1.5	2,367,539,363.03	410,342.03	0.00017	0.99983	99.99
2.5	1,999,927,093.76	1,461,390.91	0.00073	0.99927	99.97
3.5	1,819,838,641.43	2,133,125.66	0.00117	0.99883	99.90
4.5	1,662,951,685.26	2,138,243.91	0.00129	0.99871	99.78
5.5	1,534,432,085.78	1,385,356.54	0.00090	0.99910	99.65
6.5	1,418,540,913.05	2,222,060.50	0.00157	0.99843	99.56
7.5	1,322,707,858.85	2,827,853.66	0.00214	0.99786	99.40
8.5	1,211,971,667.57	2,231,901.31	0.00184	0.99816	99.19
9.5	1,107,236,016.95	782,088.31	0.00071	0.99929	99.01
10.5	1,062,579,154.78	4,988,358.45	0.00469	0.99531	98.94
11.5	971,973,283.25	1,495,475.73	0.00154	0.99846	98.47
12.5	896,182,289.82	1,186,615.91	0.00132	0.99868	98.32
13.5	855,467,137.57	2,340,086.36	0.00274	0.99726	98.19
14.5	780,756,443.54	2,216,231.62	0.00284	0.99716	97.92
15.5	738,694,804.82	280,239.76	0.00038	0.99962	97.65
16.5	703,186,324.08	867,686.37	0.00123	0.99877	97.61
17.5	697,490,341.43	687,759.43	0.00099	0.99901	97.49
18.5	647,927,812.11	912,865.05	0.00141	0.99859	97.39
19.5	624,510,104.63	1,082,517.70	0.00173	0.99827	97.25
20.5	623,275,686.12	578,172.14	0.00093	0.99907	97.09
21.5	620,258,251.39	601,486.89	0.00097	0.99903	97.00
22.5	614,480,450.78	803,097.41	0.00131	0.99869	96.90
23.5	607,417,253.02	1,321,438.13	0.00218	0.99782	96.78
24.5	568,357,542.48	1,678,348.90	0.00295	0.99705	96.56
25.5	561,376,033.22	2,236,962.67	0.00398	0.99602	96.28
26.5	540,406,028.57	2,637,429.03	0.00488	0.99512	95.90
27.5	516,448,374.42	2,352,864.20	0.00456	0.99544	95.43
28.5	509,174,718.04	4,129,337.48	0.00811	0.99189	94.99
29.5	470,237,775.99	1,924,824.31	0.00409	0.99591	94.22
30.5	396,317,613.20	1,997,982.64	0.00504	0.99496	93.84
31.5	363,849,848.81	2,391,332.79	0.00657	0.99343	93.37
32.5	348,029,867.05	1,723,516.90	0.00495	0.99505	92.75
33.5	331,019,561.18	3,427,376.01	0.01035	0.98965	92.29
34.5	312,424,385.20	1,855,077.21	0.00594	0.99406	91.34
35.5	298,816,781.38	2,922,082.58	0.00978	0.99022	90.80
36.5	293,404,485.59	3,122,145.05	0.01064	0.98936	89.91
37.5	279,281,671.63	1,566,070.15	0.00561	0.99439	88.95
38.5	276,625,545.11	1,789,727.38	0.00647	0.99353	88.45
39.5	267,562,853.15	2,864,212.71	0.01070	0.98930	87.88
40.5	255,498,669.01	3,374,044.54	0.01321	0.98679	86.94
41.5	249,807,312.85	2,035,795.14	0.00815	0.99185	85.79
42.5	246,697,967.09	2,112,456.70	0.00856	0.99144	85.09
43.5	237,963,055.43	1,108,699.71	0.00466	0.99534	84.36
44.5	236,216,825.40	1,068,673.72	0.00452	0.99548	83.97
45.5	234,983,323.90	1,126,233.76	0.00479	0.99521	83.59
46.5	232,369,919.65	1,618,984.04	0.00697	0.99303	83.19
47.5	228,410,745.92	604,055.89	0.00264	0.99736	82.61
48.5	221,775,949.08	2,581,876.09	0.01164	0.98836	82.39
49.5	194,445,476.14	838,114.59	0.00431	0.99569	81.43
50.5	186,902,743.71	1,741,504.36	0.00932	0.99068	81.08
51.5	180,752,686.94	696,958.49	0.00386	0.99614	80.33
52.5	169,383,145.53	1,382,280.08	0.00816	0.99184	80.02

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1918 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	162,982,985.85	1,199,122.47	0.00736	0.99264	79.36
54.5	156,541,053.27	458,526.41	0.00293	0.99707	78.78
55.5	143,297,368.31	539,686.69	0.00377	0.99623	78.55
56.5	139,538,197.45	740,675.09	0.00531	0.99469	78.25
57.5	138,367,806.88	1,788,545.67	0.01293	0.98707	77.84
58.5	132,784,202.72	1,294,513.92	0.00975	0.99025	76.83
59.5	130,741,667.43	513,095.92	0.00392	0.99608	76.08
60.5	97,202,240.22	752,667.11	0.00774	0.99226	75.78
61.5	93,371,776.42	787,162.54	0.00843	0.99157	75.20
62.5	76,364,843.31	634,311.88	0.00831	0.99169	74.56
63.5	55,130,707.57	544,391.52	0.00987	0.99013	73.94
64.5	45,650,411.41	86,631.85	0.00190	0.99810	73.21
65.5	42,896,530.40	145,565.92	0.00339	0.99661	73.07
66.5	38,628,486.63	58,548.56	0.00152	0.99848	72.83
67.5	34,441,636.65	98,816.06	0.00287	0.99713	72.72
68.5	32,982,145.33	327,020.40	0.00992	0.99008	72.51
69.5	27,208,486.49	190,884.27	0.00702	0.99298	71.79
70.5	21,337,141.36	11,630.52	0.00055	0.99945	71.28
71.5	18,414,117.96	92,701.72	0.00503	0.99497	71.24
72.5	17,462,810.81	50,786.00	0.00291	0.99709	70.89
73.5	5,584,535.31	13,799.56	0.00247	0.99753	70.68
74.5	5,365,891.77	63,646.79	0.01186	0.98814	70.51
75.5	4,044,826.54	422,486.38	0.10445	0.89555	69.67
76.5	2,364,486.13	4,238.86	0.00179	0.99821	62.39
77.5	2,359,045.73	6,653.34	0.00282	0.99718	62.28
78.5	2,343,231.86	43,318.63	0.01849	0.98151	62.10
79.5	2,151,799.19	4,720.35	0.00219	0.99781	60.96
80.5	2,101,587.13	9,336.80	0.00444	0.99556	60.82
81.5	2,065,628.17	2,123.08	0.00103	0.99897	60.55
82.5	2,059,014.33	26,064.49	0.01266	0.98734	60.49
83.5	2,031,113.60	5,326.67	0.00262	0.99738	59.73
84.5	2,025,786.93	38,591.63	0.01905	0.98095	59.57
85.5	1,979,877.27	1,638.86	0.00083	0.99917	58.43
86.5	1,977,719.46	11,559.97	0.00585	0.99415	58.39
87.5	1,947,887.84	12,247.66	0.00629	0.99371	58.04
88.5	1,658,588.30	0.00	0.00000	1.00000	57.68
89.5	14,334.51	0.00	0.00000	1.00000	57.68
90.5	13,165.97	0.00	0.00000	1.00000	57.68
91.5	11,372.79	0.00	0.00000	1.00000	57.68
92.5	11,372.79	0.00	0.00000	1.00000	57.68
93.5	11,372.79	0.00	0.00000	1.00000	57.68
94.5	11,372.79	0.00	0.00000	1.00000	57.68
95.5	2,408.12	0.00	0.00000	1.00000	57.68
96.5	1,199.67	0.00	0.00000	1.00000	57.68
97.5	0.00	0.00	0.00000	1.00000	57.68

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1918 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	2,640,831,945.53	367,724.99	0.00014	0.99986	100.00
0.5	2,488,951,115.13	24,024.68	0.00001	0.99999	99.99
1.5	2,253,707,321.70	410,342.03	0.00018	0.99982	99.99
2.5	1,902,807,748.90	1,461,390.91	0.00077	0.99923	99.97
3.5	1,746,826,225.57	2,133,125.66	0.00122	0.99878	99.89
4.5	1,601,407,141.04	2,138,243.91	0.00134	0.99866	99.77
5.5	1,476,296,899.37	1,385,356.54	0.00094	0.99906	99.63
6.5	1,365,564,303.66	2,222,060.50	0.00163	0.99837	99.54
7.5	1,274,843,776.25	2,827,853.66	0.00222	0.99778	99.38
8.5	1,165,899,411.19	2,231,901.31	0.00191	0.99809	99.16
9.5	1,067,932,329.44	782,088.31	0.00073	0.99927	98.97
10.5	1,031,347,586.48	4,988,358.45	0.00484	0.99516	98.90
11.5	946,488,024.57	1,495,475.73	0.00158	0.99842	98.42
12.5	872,424,993.91	1,186,615.91	0.00136	0.99864	98.26
13.5	848,433,449.45	2,340,047.19	0.00276	0.99724	98.13
14.5	772,734,933.42	2,215,740.95	0.00287	0.99713	97.86
15.5	718,145,828.78	268,607.20	0.00037	0.99963	97.58
16.5	681,523,954.38	855,148.44	0.00125	0.99875	97.54
17.5	675,826,823.18	656,157.40	0.00097	0.99903	97.42
18.5	626,404,480.94	814,449.05	0.00130	0.99870	97.32
19.5	603,580,183.67	933,207.23	0.00155	0.99845	97.20
20.5	600,899,742.52	407,607.20	0.00068	0.99932	97.05
21.5	597,478,680.71	325,234.14	0.00054	0.99946	96.98
22.5	591,828,144.01	446,311.98	0.00075	0.99925	96.93
23.5	584,997,619.51	819,252.54	0.00140	0.99860	96.86
24.5	546,449,046.34	735,948.00	0.00135	0.99865	96.72
25.5	540,475,245.71	456,255.58	0.00084	0.99916	96.59
26.5	521,304,579.99	857,156.99	0.00164	0.99836	96.51
27.5	499,213,626.34	1,350,845.15	0.00271	0.99729	96.35
28.5	491,297,658.02	483,766.60	0.00098	0.99902	96.09
29.5	464,616,372.78	990,632.29	0.00213	0.99787	95.99
30.5	393,339,702.65	1,292,350.22	0.00329	0.99671	95.79
31.5	361,627,370.81	1,701,034.73	0.00470	0.99530	95.48
32.5	346,497,687.11	1,351,812.72	0.00390	0.99610	95.03
33.5	329,859,087.66	3,129,908.17	0.00949	0.99051	94.66
34.5	311,901,485.42	1,665,526.04	0.00534	0.99466	93.76
35.5	298,548,661.57	2,844,772.38	0.00953	0.99047	93.26
36.5	293,229,814.30	3,067,989.91	0.01046	0.98954	92.37
37.5	279,173,144.35	1,516,343.49	0.00543	0.99457	91.40
38.5	276,566,747.36	1,752,584.19	0.00634	0.99366	90.91
39.5	267,541,200.08	2,852,391.65	0.01066	0.98934	90.33
40.5	255,488,881.03	3,372,077.76	0.01320	0.98680	89.37
41.5	249,799,512.84	2,031,551.39	0.00813	0.99187	88.19
42.5	246,697,967.09	2,112,456.70	0.00856	0.99144	87.47
43.5	237,963,055.43	1,108,699.71	0.00466	0.99534	86.72
44.5	236,216,825.40	1,068,673.72	0.00452	0.99548	86.32
45.5	234,983,323.90	1,126,233.76	0.00479	0.99521	85.93
46.5	232,369,919.65	1,618,984.04	0.00697	0.99303	85.51
47.5	228,410,745.92	604,055.89	0.00264	0.99736	84.92
48.5	221,775,949.08	2,581,876.09	0.01164	0.98836	84.69
49.5	194,445,476.14	838,114.59	0.00431	0.99569	83.71
50.5	186,902,743.71	1,741,504.36	0.00932	0.99068	83.35
51.5	180,752,686.94	696,958.49	0.00386	0.99614	82.57
52.5	169,383,145.53	1,382,280.08	0.00816	0.99184	82.25

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1918 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	162,982,985.85	1,199,122.47	0.00736	0.99264	81.58
54.5	156,541,053.27	458,526.41	0.00293	0.99707	80.98
55.5	143,297,368.31	539,686.69	0.00377	0.99623	80.74
56.5	139,538,197.45	740,675.09	0.00531	0.99469	80.44
57.5	138,367,806.88	1,788,545.67	0.01293	0.98707	80.01
58.5	132,784,202.72	1,294,513.92	0.00975	0.99025	78.98
59.5	130,741,667.43	513,095.92	0.00392	0.99608	78.21
60.5	97,202,240.22	752,667.11	0.00774	0.99226	77.90
61.5	93,371,776.42	787,162.54	0.00843	0.99157	77.30
62.5	76,364,843.31	634,311.88	0.00831	0.99169	76.65
63.5	55,130,707.57	544,391.52	0.00987	0.99013	76.01
64.5	45,650,411.41	86,631.85	0.00190	0.99810	75.26
65.5	42,896,530.40	145,565.92	0.00339	0.99661	75.11
66.5	38,628,486.63	58,548.56	0.00152	0.99848	74.86
67.5	34,441,636.65	98,816.06	0.00287	0.99713	74.75
68.5	32,982,145.33	327,020.40	0.00992	0.99008	74.53
69.5	27,208,486.49	190,884.27	0.00702	0.99298	73.79
70.5	21,337,141.36	11,630.52	0.00055	0.99945	73.27
71.5	18,414,117.96	92,701.72	0.00503	0.99497	73.23
72.5	17,462,810.81	50,786.00	0.00291	0.99709	72.87
73.5	5,584,535.31	13,799.56	0.00247	0.99753	72.65
74.5	5,365,891.77	63,646.79	0.01186	0.98814	72.47
75.5	4,044,826.54	422,486.38	0.10445	0.89555	71.61
76.5	2,364,486.13	4,238.86	0.00179	0.99821	64.14
77.5	2,359,045.73	6,653.34	0.00282	0.99718	64.02
78.5	2,343,231.86	43,318.63	0.01849	0.98151	63.84
79.5	2,151,799.19	4,720.35	0.00219	0.99781	62.66
80.5	2,101,587.13	9,336.80	0.00444	0.99556	62.52
81.5	2,065,628.17	2,123.08	0.00103	0.99897	62.24
82.5	2,059,014.33	26,064.49	0.01266	0.98734	62.18
83.5	2,031,113.60	5,326.67	0.00262	0.99738	61.39
84.5	2,025,786.93	38,591.63	0.01905	0.98095	61.23
85.5	1,979,877.27	1,638.86	0.00083	0.99917	60.07
86.5	1,977,719.46	11,559.97	0.00585	0.99415	60.02
87.5	1,947,887.84	12,247.66	0.00629	0.99371	59.67
88.5	1,658,588.30	0.00	0.00000	1.00000	59.29
89.5	14,334.51	0.00	0.00000	1.00000	59.29
90.5	13,165.97	0.00	0.00000	1.00000	59.29
91.5	11,372.79	0.00	0.00000	1.00000	59.29
92.5	11,372.79	0.00	0.00000	1.00000	59.29
93.5	11,372.79	0.00	0.00000	1.00000	59.29
94.5	11,372.79	0.00	0.00000	1.00000	59.29
95.5	2,408.12	0.00	0.00000	1.00000	59.29
96.5	1,199.67	0.00	0.00000	1.00000	59.29
97.5	0.00	0.00	0.00000	1.00000	59.29

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1918 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	2,337,363,653.61	367,724.99	0.00016	0.99984	100.00
0.5	2,222,087,989.76	24,024.68	0.00001	0.99999	99.98
1.5	2,013,550,575.09	410,342.03	0.00020	0.99980	99.98
2.5	1,657,888,302.01	1,461,390.91	0.00088	0.99912	99.96
3.5	1,493,507,906.81	2,133,125.66	0.00143	0.99857	99.88
4.5	1,350,608,948.51	2,138,243.91	0.00158	0.99842	99.73
5.5	1,233,539,741.59	1,385,356.54	0.00112	0.99888	99.57
6.5	1,121,888,815.20	2,222,060.50	0.00198	0.99802	99.46
7.5	1,037,333,079.39	2,827,853.66	0.00273	0.99727	99.27
8.5	928,490,724.54	2,231,901.31	0.00240	0.99760	98.99
9.5	830,918,481.81	782,085.33	0.00094	0.99906	98.76
10.5	796,830,441.11	4,988,293.27	0.00626	0.99374	98.66
11.5	708,513,134.25	1,495,150.84	0.00211	0.99789	98.05
12.5	633,836,403.88	1,185,694.14	0.00187	0.99813	97.84
13.5	599,963,172.32	2,333,863.35	0.00389	0.99611	97.66
14.5	524,372,126.77	2,211,152.56	0.00422	0.99578	97.28
15.5	467,249,802.08	259,234.54	0.00055	0.99945	96.86
16.5	429,860,261.89	823,849.64	0.00192	0.99808	96.81
17.5	427,376,318.20	616,052.64	0.00144	0.99856	96.63
18.5	384,290,044.91	781,368.44	0.00203	0.99797	96.49
19.5	386,708,262.62	888,302.25	0.00230	0.99770	96.29
20.5	391,320,132.07	327,283.19	0.00084	0.99916	96.07
21.5	392,306,215.45	184,339.25	0.00047	0.99953	95.99
22.5	397,817,529.84	242,632.91	0.00061	0.99939	95.94
23.5	397,333,417.43	629,260.09	0.00158	0.99842	95.88
24.5	364,674,916.36	385,276.68	0.00106	0.99894	95.73
25.5	373,615,252.10	176,809.85	0.00047	0.99953	95.63
26.5	358,210,190.82	545,595.07	0.00152	0.99848	95.59
27.5	336,791,466.94	1,036,487.35	0.00308	0.99692	95.44
28.5	332,620,249.23	168,241.24	0.00051	0.99949	95.15
29.5	298,472,528.49	437,072.31	0.00146	0.99854	95.10
30.5	262,359,295.33	583,559.86	0.00222	0.99778	94.96
31.5	235,831,433.41	1,114,920.68	0.00473	0.99527	94.75
32.5	240,211,440.72	474,998.49	0.00198	0.99802	94.30
33.5	248,186,448.01	1,595,915.85	0.00643	0.99357	94.11
34.5	242,652,554.26	650,185.98	0.00268	0.99732	93.51
35.5	234,040,068.37	1,524,911.65	0.00652	0.99348	93.26
36.5	235,081,476.74	1,783,966.90	0.00759	0.99241	92.65
37.5	227,271,389.63	733,143.73	0.00323	0.99677	91.95
38.5	227,150,570.99	921,680.13	0.00406	0.99594	91.65
39.5	225,392,070.71	1,721,924.18	0.00764	0.99236	91.28
40.5	221,827,858.30	1,683,057.95	0.00759	0.99241	90.58
41.5	223,014,316.39	1,083,339.00	0.00486	0.99514	89.89
42.5	222,378,719.16	1,313,132.88	0.00590	0.99410	89.46
43.5	228,676,823.05	878,030.18	0.00384	0.99616	88.93
44.5	227,610,462.68	871,555.57	0.00383	0.99617	88.59
45.5	228,711,842.80	915,957.26	0.00400	0.99600	88.25
46.5	228,192,593.46	1,516,373.75	0.00665	0.99335	87.90
47.5	224,386,922.99	576,128.65	0.00257	0.99743	87.31
48.5	217,849,079.60	2,525,770.31	0.01159	0.98841	87.09
49.5	190,899,825.26	756,818.51	0.00396	0.99604	86.08
50.5	183,503,596.02	1,711,289.44	0.00933	0.99067	85.74
51.5	177,445,142.24	654,353.78	0.00369	0.99631	84.94
52.5	166,125,376.61	1,257,251.22	0.00757	0.99243	84.62

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1918 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	159,931,809.17	1,189,453.34	0.00744	0.99256	83.98
54.5	153,500,023.69	443,270.31	0.00289	0.99711	83.36
55.5	140,287,439.76	534,273.66	0.00381	0.99619	83.12
56.5	136,537,069.85	740,140.56	0.00542	0.99458	82.80
57.5	135,386,145.55	1,788,295.53	0.01321	0.98679	82.35
58.5	130,098,307.28	1,294,426.33	0.00995	0.99005	81.26
59.5	130,296,861.93	513,074.73	0.00394	0.99606	80.45
60.5	97,149,163.42	750,674.38	0.00773	0.99227	80.14
61.5	93,325,129.09	787,162.54	0.00843	0.99157	79.52
62.5	76,318,195.98	634,311.88	0.00831	0.99169	78.85
63.5	55,084,060.24	544,391.52	0.00988	0.99012	78.19
64.5	45,638,679.13	86,631.85	0.00190	0.99810	77.42
65.5	42,893,762.79	145,565.92	0.00339	0.99661	77.27
66.5	38,626,927.47	58,548.56	0.00152	0.99848	77.01
67.5	34,441,277.16	98,816.06	0.00287	0.99713	76.89
68.5	32,981,785.84	327,020.40	0.00992	0.99008	76.67
69.5	27,208,127.00	190,884.27	0.00702	0.99298	75.91
70.5	21,336,781.87	11,630.52	0.00055	0.99945	75.38
71.5	18,413,758.47	92,701.72	0.00503	0.99497	75.34
72.5	17,462,810.81	50,786.00	0.00291	0.99709	74.96
73.5	5,584,535.31	13,799.56	0.00247	0.99753	74.74
74.5	5,365,891.77	63,646.79	0.01186	0.98814	74.56
75.5	4,044,826.54	422,486.38	0.10445	0.89555	73.67
76.5	2,364,486.13	4,238.86	0.00179	0.99821	65.98
77.5	2,359,045.73	6,653.34	0.00282	0.99718	65.86
78.5	2,343,231.86	43,318.63	0.01849	0.98151	65.67
79.5	2,151,799.19	4,720.35	0.00219	0.99781	64.46
80.5	2,101,587.13	9,336.80	0.00444	0.99556	64.32
81.5	2,065,628.17	2,123.08	0.00103	0.99897	64.03
82.5	2,059,014.33	26,064.49	0.01266	0.98734	63.97
83.5	2,031,113.60	5,326.67	0.00262	0.99738	63.16
84.5	2,025,786.93	38,591.63	0.01905	0.98095	62.99
85.5	1,979,877.27	1,638.86	0.00083	0.99917	61.79
86.5	1,977,719.46	11,559.97	0.00585	0.99415	61.74
87.5	1,947,887.84	12,247.66	0.00629	0.99371	61.38
88.5	1,658,588.30	0.00	0.00000	1.00000	60.99
89.5	14,334.51	0.00	0.00000	1.00000	60.99
90.5	13,165.97	0.00	0.00000	1.00000	60.99
91.5	11,372.79	0.00	0.00000	1.00000	60.99
92.5	11,372.79	0.00	0.00000	1.00000	60.99
93.5	11,372.79	0.00	0.00000	1.00000	60.99
94.5	11,372.79	0.00	0.00000	1.00000	60.99
95.5	2,408.12	0.00	0.00000	1.00000	60.99
96.5	1,199.67	0.00	0.00000	1.00000	60.99
97.5	0.00	0.00	0.00000	1.00000	60.99

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	2,640,831,945.53	367,724.99	0.00014	0.99986	100.00
0.5	2,452,334,161.58	24,024.68	0.00001	0.99999	99.99
1.5	2,212,515,059.75	410,342.03	0.00019	0.99981	99.99
2.5	1,842,421,486.82	1,461,390.91	0.00079	0.99921	99.97
3.5	1,662,261,345.47	2,133,125.66	0.00128	0.99872	99.89
4.5	1,505,265,577.29	2,138,243.91	0.00142	0.99858	99.76
5.5	1,376,248,401.40	1,385,356.54	0.00101	0.99899	99.62
6.5	1,260,248,690.92	2,222,060.50	0.00176	0.99824	99.52
7.5	1,164,305,335.43	2,827,853.66	0.00243	0.99757	99.34
8.5	1,053,550,833.01	2,231,901.31	0.00212	0.99788	99.10
9.5	948,640,484.60	782,085.33	0.00082	0.99918	98.89
10.5	903,974,563.62	4,988,293.27	0.00552	0.99448	98.81
11.5	813,297,287.78	1,495,150.84	0.00184	0.99816	98.26
12.5	737,485,726.11	1,186,172.11	0.00161	0.99839	98.08
13.5	696,663,989.50	2,339,570.62	0.00336	0.99664	97.93
14.5	620,417,332.59	2,214,098.81	0.00357	0.99643	97.60
15.5	563,124,658.72	265,092.61	0.00047	0.99953	97.25
16.5	524,025,661.21	849,735.99	0.00162	0.99838	97.20
17.5	518,262,312.14	636,000.84	0.00123	0.99877	97.05
18.5	468,751,541.41	783,814.22	0.00167	0.99833	96.93
19.5	445,462,882.52	890,728.44	0.00200	0.99800	96.76
20.5	442,717,517.44	332,745.38	0.00075	0.99925	96.57
21.5	439,263,215.06	190,523.80	0.00043	0.99957	96.50
22.5	433,729,573.71	248,165.51	0.00057	0.99943	96.46
23.5	426,932,828.90	639,004.18	0.00150	0.99850	96.40
24.5	388,555,549.44	399,937.12	0.00103	0.99897	96.26
25.5	382,852,450.47	182,165.96	0.00048	0.99952	96.16
26.5	363,937,198.50	549,168.75	0.00151	0.99849	96.11
27.5	342,067,783.44	1,045,968.44	0.00306	0.99694	95.97
28.5	333,450,523.15	170,390.09	0.00051	0.99949	95.67
29.5	298,472,528.49	437,072.31	0.00146	0.99854	95.62
30.5	226,040,117.70	439,580.38	0.00194	0.99806	95.48
31.5	195,130,755.57	880,952.61	0.00451	0.99549	95.30
32.5	180,821,153.99	274,121.68	0.00152	0.99848	94.87
33.5	165,260,243.34	1,144,902.71	0.00693	0.99307	94.73
34.5	148,947,540.66	133,427.38	0.00090	0.99910	94.07
35.5	137,061,586.67	993,383.39	0.00725	0.99275	93.98
36.5	133,577,990.07	979,229.74	0.00733	0.99267	93.30
37.5	121,598,091.42	91,184.17	0.00075	0.99925	92.62
38.5	120,416,850.88	77,245.45	0.00064	0.99936	92.55
39.5	113,066,640.85	875,404.95	0.00774	0.99226	92.49
40.5	102,992,248.39	859,031.12	0.00834	0.99166	91.78
41.5	99,815,905.65	433,213.92	0.00434	0.99566	91.01
42.5	98,309,141.11	799,500.96	0.00813	0.99187	90.62
43.5	90,887,185.19	61,541.22	0.00068	0.99932	89.88
44.5	90,188,113.65	77,896.95	0.00086	0.99914	89.82
45.5	89,945,388.92	409,028.18	0.00455	0.99545	89.74
46.5	88,049,839.28	360,945.98	0.00410	0.99590	89.33
47.5	85,348,703.61	178,133.66	0.00209	0.99791	88.97
48.5	79,139,829.00	113,899.13	0.00144	0.99856	88.78
49.5	54,277,333.02	256,807.41	0.00473	0.99527	88.65
50.5	47,315,907.77	267,586.93	0.00566	0.99434	88.23
51.5	42,639,768.43	76,554.33	0.00180	0.99820	87.73
52.5	31,890,631.18	139,872.79	0.00439	0.99561	87.58

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	26,732,878.79	280,670.64	0.01050	0.98950	87.19
54.5	21,209,398.04	173,324.14	0.00817	0.99183	86.28
55.5	8,250,915.35	18,161.07	0.00220	0.99780	85.57
56.5	5,013,270.11	40,474.77	0.00807	0.99193	85.38
57.5	4,543,079.86	0.00	0.00000	1.00000	84.69
58.5	748,021.37	0.00	0.00000	1.00000	84.69
59.5	0.00	0.00	0.00000	0.00000	84.69

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	2,337,363,653.61	367,724.99	0.00016	0.99984	100.00
0.5	2,222,087,989.76	24,024.68	0.00001	0.99999	99.98
1.5	2,013,550,575.09	410,342.03	0.00020	0.99980	99.98
2.5	1,657,888,302.01	1,461,390.91	0.00088	0.99912	99.96
3.5	1,493,507,906.81	2,133,125.66	0.00143	0.99857	99.88
4.5	1,350,608,948.51	2,138,243.91	0.00158	0.99842	99.73
5.5	1,233,539,741.59	1,385,356.54	0.00112	0.99888	99.57
6.5	1,121,888,815.20	2,222,060.50	0.00198	0.99802	99.46
7.5	1,037,333,079.39	2,827,853.66	0.00273	0.99727	99.27
8.5	928,490,724.54	2,231,901.31	0.00240	0.99760	98.99
9.5	830,918,481.81	782,085.33	0.00094	0.99906	98.76
10.5	796,830,441.11	4,988,293.27	0.00626	0.99374	98.66
11.5	708,513,134.25	1,495,150.84	0.00211	0.99789	98.05
12.5	633,836,403.88	1,185,694.14	0.00187	0.99813	97.84
13.5	599,963,172.32	2,333,863.35	0.00389	0.99611	97.66
14.5	524,372,126.77	2,211,152.56	0.00422	0.99578	97.28
15.5	467,249,802.08	259,234.54	0.00055	0.99945	96.86
16.5	429,860,261.89	823,849.64	0.00192	0.99808	96.81
17.5	427,376,318.20	616,052.64	0.00144	0.99856	96.63
18.5	384,290,044.91	781,368.44	0.00203	0.99797	96.49
19.5	386,708,262.62	888,302.25	0.00230	0.99770	96.29
20.5	391,320,132.07	327,283.19	0.00084	0.99916	96.07
21.5	392,306,215.45	184,339.25	0.00047	0.99953	95.99
22.5	397,817,529.84	242,632.91	0.00061	0.99939	95.94
23.5	397,333,417.43	629,260.09	0.00158	0.99842	95.88
24.5	364,674,916.36	385,276.68	0.00106	0.99894	95.73
25.5	373,615,252.10	176,809.85	0.00047	0.99953	95.63
26.5	358,210,190.82	545,595.07	0.00152	0.99848	95.59
27.5	336,791,466.94	1,036,487.35	0.00308	0.99692	95.44
28.5	332,620,249.23	168,241.24	0.00051	0.99949	95.15
29.5	298,472,528.49	437,072.31	0.00146	0.99854	95.10
30.5	226,040,117.70	439,580.38	0.00194	0.99806	94.96
31.5	195,130,755.57	880,952.61	0.00451	0.99549	94.78
32.5	180,821,153.99	274,121.68	0.00152	0.99848	94.35
33.5	165,260,243.34	1,144,902.71	0.00693	0.99307	94.21
34.5	148,947,540.66	133,427.38	0.00090	0.99910	93.55
35.5	137,061,586.67	993,383.39	0.00725	0.99275	93.47
36.5	133,577,990.07	979,229.74	0.00733	0.99267	92.79
37.5	121,598,091.42	91,184.17	0.00075	0.99925	92.11
38.5	120,416,850.88	77,245.45	0.00064	0.99936	92.04
39.5	113,066,640.85	875,404.95	0.00774	0.99226	91.98
40.5	102,992,248.39	859,031.12	0.00834	0.99166	91.27
41.5	99,815,905.65	433,213.92	0.00434	0.99566	90.51
42.5	98,309,141.11	799,500.96	0.00813	0.99187	90.12
43.5	90,887,185.19	61,541.22	0.00068	0.99932	89.38
44.5	90,188,113.65	77,896.95	0.00086	0.99914	89.32
45.5	89,945,388.92	409,028.18	0.00455	0.99545	89.25
46.5	88,049,839.28	360,945.98	0.00410	0.99590	88.84
47.5	85,348,703.61	178,133.66	0.00209	0.99791	88.48
48.5	79,139,829.00	113,899.13	0.00144	0.99856	88.29
49.5	54,277,333.02	256,807.41	0.00473	0.99527	88.16
50.5	47,315,907.77	267,586.93	0.00566	0.99434	87.75
51.5	42,639,768.43	76,554.33	0.00180	0.99820	87.25
52.5	31,890,631.18	139,872.79	0.00439	0.99561	87.09

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	26,732,878.79	280,670.64	0.01050	0.98950	86.71
54.5	21,209,398.04	173,324.14	0.00817	0.99183	85.80
55.5	8,250,915.35	18,161.07	0.00220	0.99780	85.10
56.5	5,013,270.11	40,474.77	0.00807	0.99193	84.91
57.5	4,543,079.86	0.00	0.00000	1.00000	84.23
58.5	748,021.37	0.00	0.00000	1.00000	84.23
59.5	0.00	0.00	0.00000	0.00000	84.23

Scenario: So California Gas @ 2020

Account: 367x-Mains

Placement Band: 1991 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	2,337,363,653.61	367,724.99	0.00016	0.99984	100.00
0.5	2,148,865,869.66	24,024.68	0.00001	0.99999	99.98
1.5	1,909,046,767.83	410,342.03	0.00021	0.99979	99.98
2.5	1,538,953,194.90	1,461,390.91	0.00095	0.99905	99.96
3.5	1,358,793,053.55	2,133,125.66	0.00157	0.99843	99.87
4.5	1,201,797,285.37	2,138,243.91	0.00178	0.99822	99.71
5.5	1,072,780,109.48	1,385,356.54	0.00129	0.99871	99.53
6.5	956,780,399.00	2,222,060.50	0.00232	0.99768	99.41
7.5	860,837,043.51	2,827,853.66	0.00329	0.99671	99.17
8.5	750,082,541.09	2,231,901.31	0.00298	0.99702	98.85
9.5	645,172,192.68	782,085.33	0.00121	0.99879	98.55
10.5	600,506,271.70	4,988,293.27	0.00831	0.99169	98.43
11.5	509,828,995.86	1,387,538.61	0.00272	0.99728	97.62
12.5	434,125,046.42	1,024,755.64	0.00236	0.99764	97.35
13.5	393,464,726.28	1,833,365.63	0.00466	0.99534	97.12
14.5	317,724,274.36	1,795,774.30	0.00565	0.99435	96.67
15.5	260,849,925.00	257,181.87	0.00099	0.99901	96.12
16.5	221,831,088.08	659,136.83	0.00297	0.99703	96.03
17.5	216,258,338.17	561,185.17	0.00259	0.99741	95.74
18.5	166,843,310.11	751,528.99	0.00450	0.99550	95.49
19.5	143,586,936.45	227,859.92	0.00159	0.99841	95.06
20.5	141,504,439.89	310,440.19	0.00219	0.99781	94.91
21.5	138,073,523.00	94,633.52	0.00069	0.99931	94.70
22.5	132,618,826.81	226,618.19	0.00171	0.99829	94.64
23.5	125,843,629.32	20,270.36	0.00016	0.99984	94.48
24.5	88,013,675.88	0.00	0.00000	1.00000	94.46
25.5	82,705,551.09	26,365.11	0.00032	0.99968	94.46
26.5	63,946,099.97	35,541.20	0.00056	0.99944	94.43
27.5	42,590,312.46	105,942.43	0.00249	0.99751	94.38
28.5	34,808,393.97	789.40	0.00002	0.99998	94.14
29.5	0.00	0.00	0.00000	0.00000	94.14

Actuarial Life Analysis

Account: 367x-Mains
 Scenario: So California Gas @ 2020
 Placement Band: 1918 - 1951
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum of Squares	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -1951	33.5	7.64	0.00934185	S5	28.32
1948 -1952	34.5	13.16	0.01254747	R5	30.12
1949 -1953	35.5	8.00	0.00865082	R5	29.86
1950 -1954	36.5	7.20	0.01040145	R5	30.44
1951 -1955	37.5	8.61	0.00594550	R5	31.52
1952 -1956	38.5	5.16	0.00460087	R5	31.69
1953 -1957	39.5	0.89	0.00893258	R5	30.56
1954 -1958	40.5	0.42	0.00944349	R5	30.59
1955 -1959	41.5	0.80	0.01567228	L5	31.44
1956 -1960	42.5	0.11	0.01047166	S5	30.16
1957 -1961	43.5	0.60	0.01704635	L5	31.01
1958 -1962	44.5	2.40	0.02341343	S4	32.68
1959 -1963	45.5	9.45	0.06277580	S4	35.35
1960 -1964	46.5	10.86	0.10553175	L4	35.63
1961 -1965	47.5	21.05	0.03049271	S4	39.56
1962 -1966	48.5	25.03	0.02304860	L4	41.23
1963 -1967	49.5	26.38	0.03908532	L4	41.95
1964 -1968	50.5	18.73	0.03937614	L4	40.42
1965 -1969	51.5	24.04	0.08949578	L4	40.78
1966 -1970	52.5	43.73	0.08901335	L3	48.90
1967 -1971	53.5	33.41	0.10726531	L3	47.04
1968 -1972	54.5	16.63	0.05000584	L4	41.00
1969 -1973	55.5	24.05	0.09229075	L4	42.99
1970 -1974	56.5	25.64	0.12203558	L4	43.90
1971 -1975	57.5	25.63	0.18803120	L4	44.26
1972 -1976	58.5	29.48	0.31779736	L4	45.80
1973 -1977	59.5	53.97	0.17903366	L3	57.60
1974 -1978	60.5	62.51	0.11935882	S2	61.71
1975 -1979	61.5	0.31	0.18583723	R5	49.71
1976 -1980	62.5	0.85	0.17925645	R5	50.25
1977 -1981	63.5	1.74	0.14376160	R5	49.64
1978 -1982	64.5	1.80	0.14005416	R5	49.31
1979 -1983	65.5	3.69	0.12612118	S4	49.50
1980 -1984	66.5	68.53	0.11115803	L2	78.62
1981 -1985	67.5	71.15	0.09320697	S1	81.23
1982 -1986	68.5	70.00	0.11158127	S1	80.05
1983 -1987	69.5	73.04	0.08717956	S1	84.70
1984 -1988	70.5	82.50	0.04742559	S1	102.07
1985 -1989	71.5	83.65	0.04408677	S1	105.57
1986 -1990	72.5	77.60	0.08598104	S1	93.22
1987 -1991	73.5	75.56	0.11208874	L1	113.65
1988 -1992	74.5	70.34	0.16044779	L1	102.27
1989 -1993	75.5	73.67	0.13425234	L1	108.83
1990 -1994	76.5	75.96	0.12262836	L1	114.19

Actuarial Life Analysis

Account: 367x-Mains
 Scenario: So California Gas @ 2020
 Placement Band: 1918 - 1995
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum of Squares	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1991 -1995	77.5	80.39	0.08982312	S0	128.30
1992 -1996	78.5	82.55	0.07193660	S0	139.03
1993 -1997	79.5	82.23	0.07487610	S0	139.46
1994 -1998	80.5	83.76	0.06508100	S0	147.57
1995 -1999	81.5	28.53	0.58616468	L5	69.97
1996 -2000	82.5	22.34	0.65787893	R5	69.47
1997 -2001	83.5	0.00	0.59818305	R5	73.38
1998 -2002	84.5	0.00	0.47910235	S6	73.40
1999 -2003	85.5	0.00	0.93194394	R4	69.19
2000 -2004	86.5	0.00	0.66945871	R4	65.33
2001 -2005	87.5	0.00	0.90095389	R4	64.49
2002 -2006	88.5	57.20	0.26119881	R1.5	85.07
2003 -2007	89.5	7.32	0.39580735	R3	58.76
2004 -2008	90.5	4.11	0.26807739	R3	57.73
2005 -2009	91.5	10.25	0.23304728	R3	60.51
2006 -2010	92.5	15.86	0.19862044	R2.5	60.85
2007 -2011	93.5	22.71	0.11191825	S1	65.38
2008 -2012	94.5	40.32	0.16050248	R2.5	82.14
2009 -2013	95.5	84.96	0.00564582	L0	256.03
2010 -2014	96.5	84.36	0.00595458	L0	254.76
2011 -2015	97.5	86.92	0.00689102	L0	286.76
2012 -2016	98.5	84.62	0.00330488	L0	271.38
2013 -2017	99.5	81.17	0.00400033	R0.5	208.65
2014 -2018	100.5	75.47	0.00909191	R1	150.87
2015 -2019	101.5	69.90	0.01175951	R0.5	139.32
2016 -2020	102.5	70.92	0.01800006	R0.5	137.17

Actuarial Life Analysis

Account: 367x-Mains
 Scenario: So California Gas @ 2020
 Placement Band: 1918 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

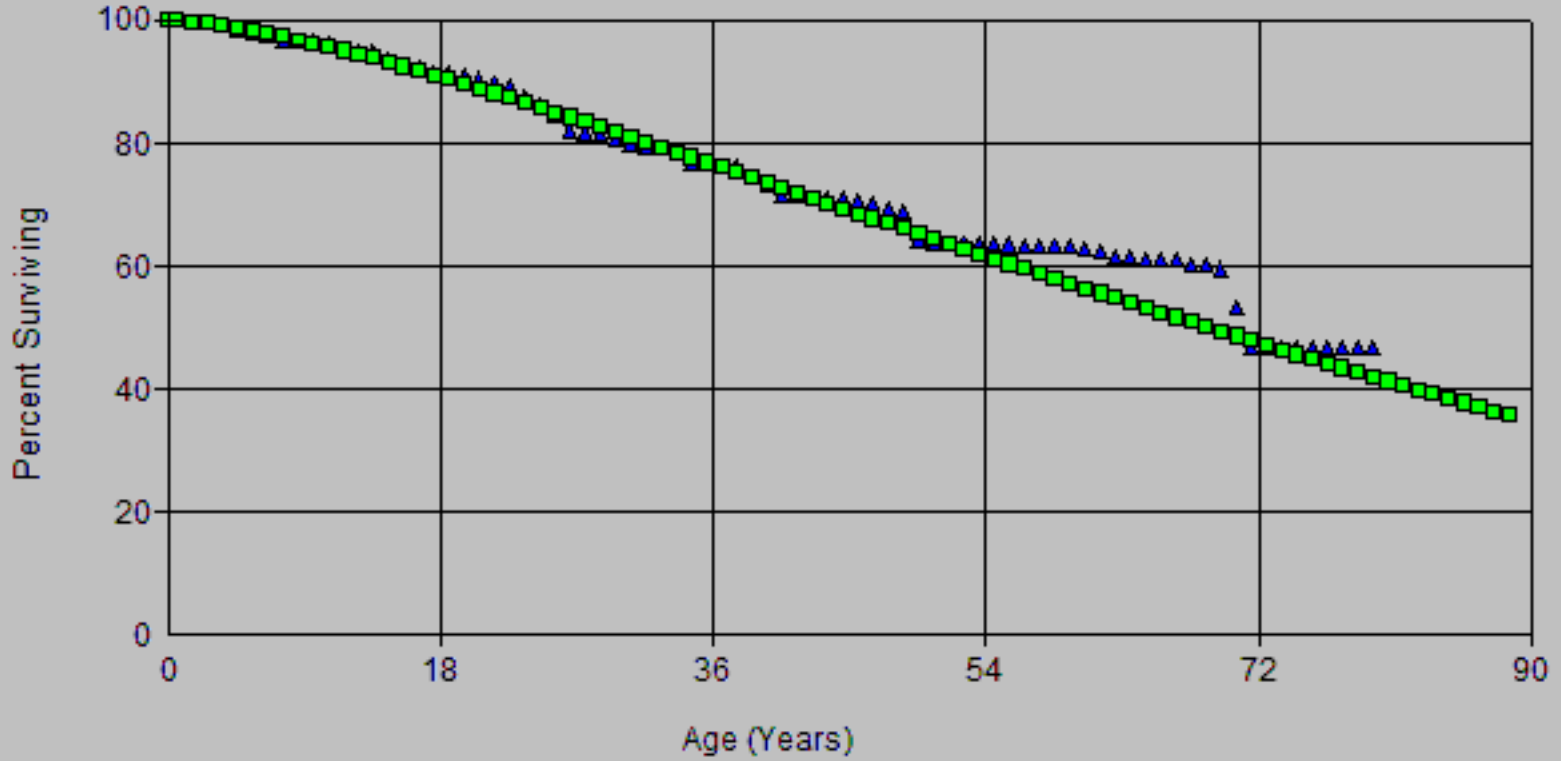
Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -2020	102.5	57.68	0.04032262	L0.5	115.38
1952 -2020	102.5	58.06	0.04031385	L0.5	116.80
1957 -2020	102.5	58.36	0.04127748	L0.5	118.06
1962 -2020	102.5	59.30	0.04657664	L0.5	121.85
1967 -2020	102.5	59.71	0.04536445	L1	113.09
1972 -2020	102.5	60.16	0.04243250	L1	114.29
1977 -2020	102.5	60.73	0.04021216	L1	115.74
1982 -2020	102.5	60.77	0.04111236	L1	115.61
1987 -2020	102.5	60.94	0.04070478	S0	111.21
1992 -2020	102.5	61.28	0.04036327	S0	112.00
1997 -2020	102.5	61.61	0.04085272	S0	112.76
2002 -2020	102.5	61.88	0.03161415	L0.5	126.69
2007 -2020	102.5	59.84	0.03127146	L0.5	120.10
2012 -2020	102.5	75.81	0.00720873	R0.5	165.21
2017 -2020	102.5	58.89	0.06308315	R0.5	115.34

SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

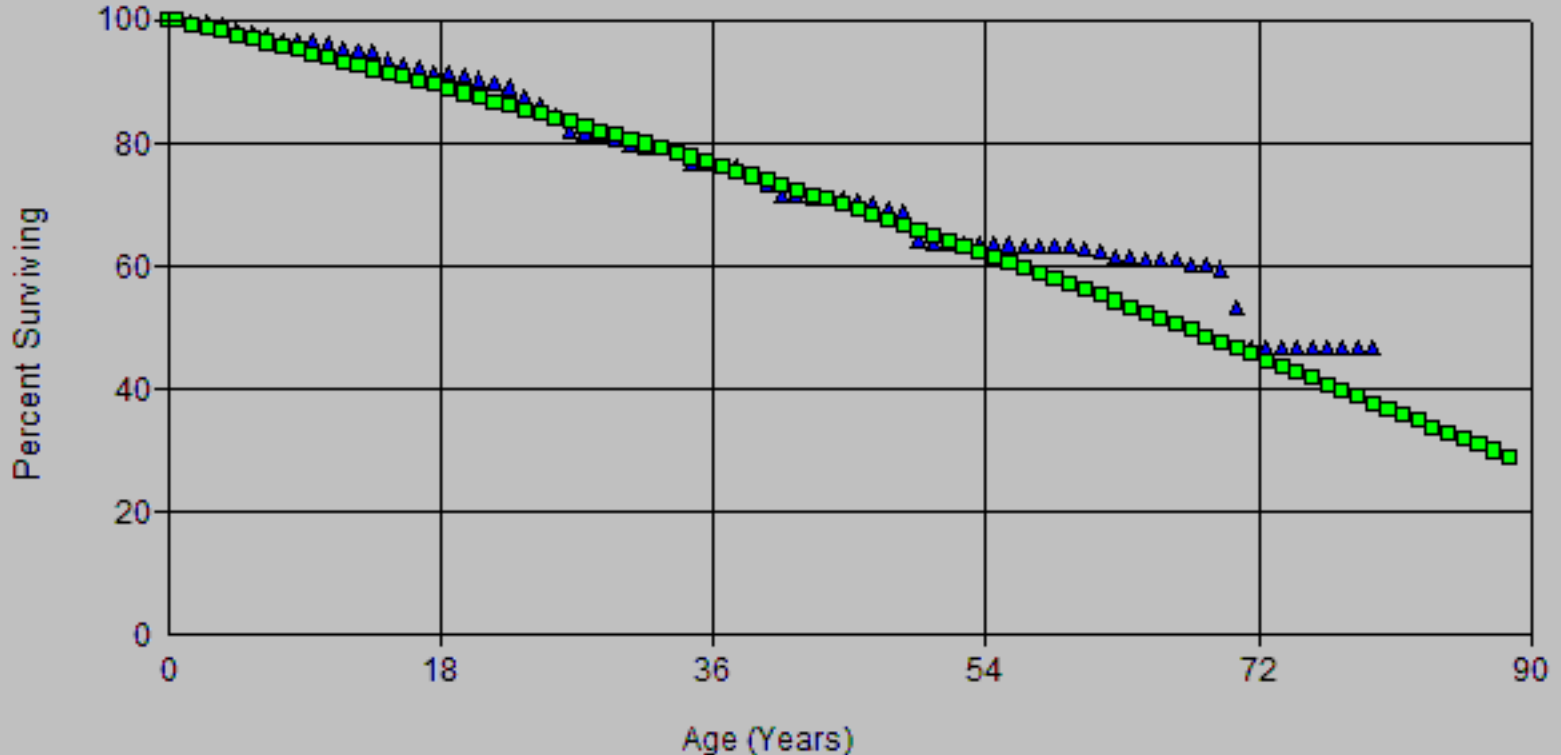
Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 75.00



SoCalGas
2024 GRC - APP
Depreciation Workpapers
Account: 368x-Compressor Station Eqt
Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 65.00

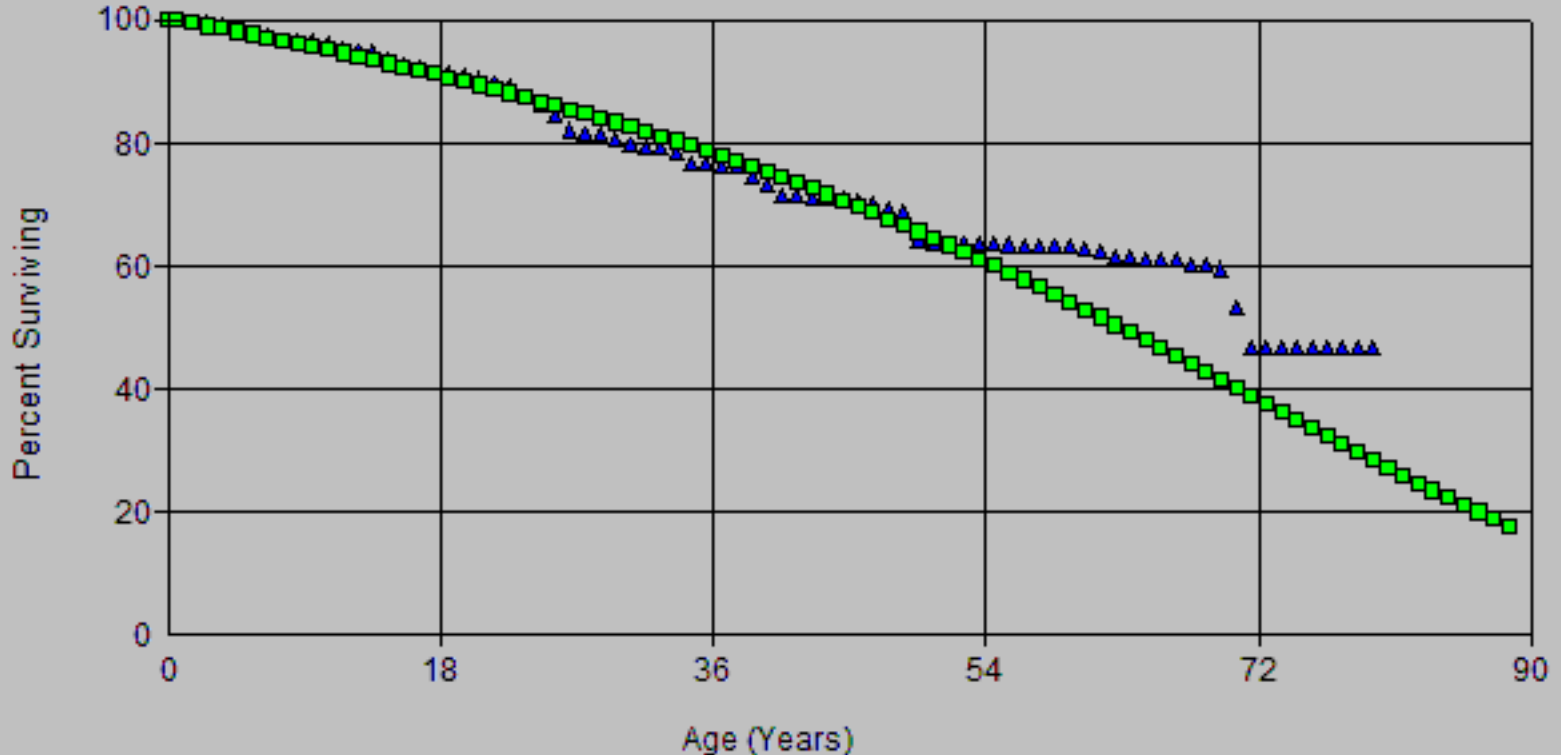


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1 60.00

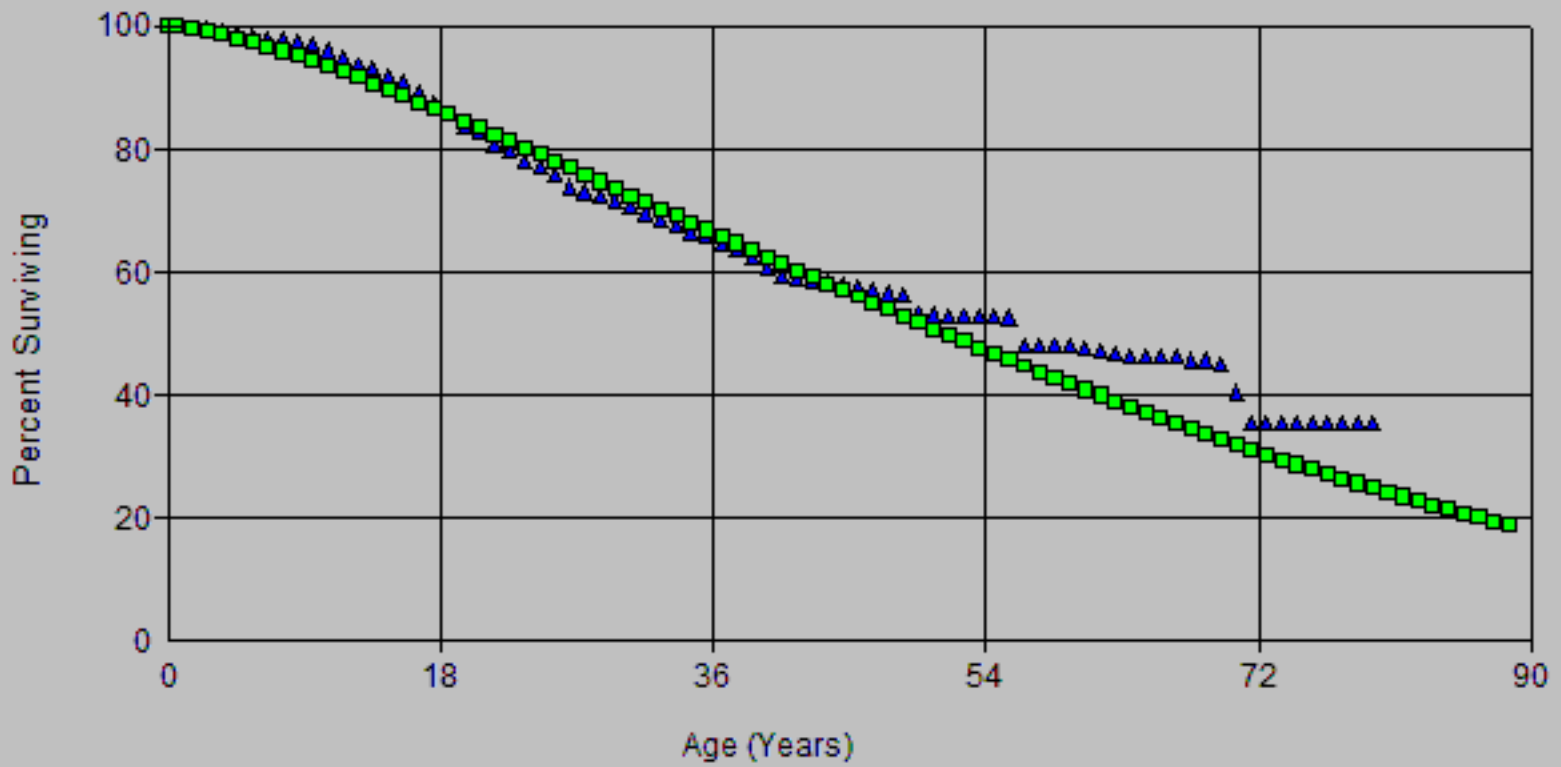


SoCalGas
2024 GRC - APP
Deprecation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 56.00

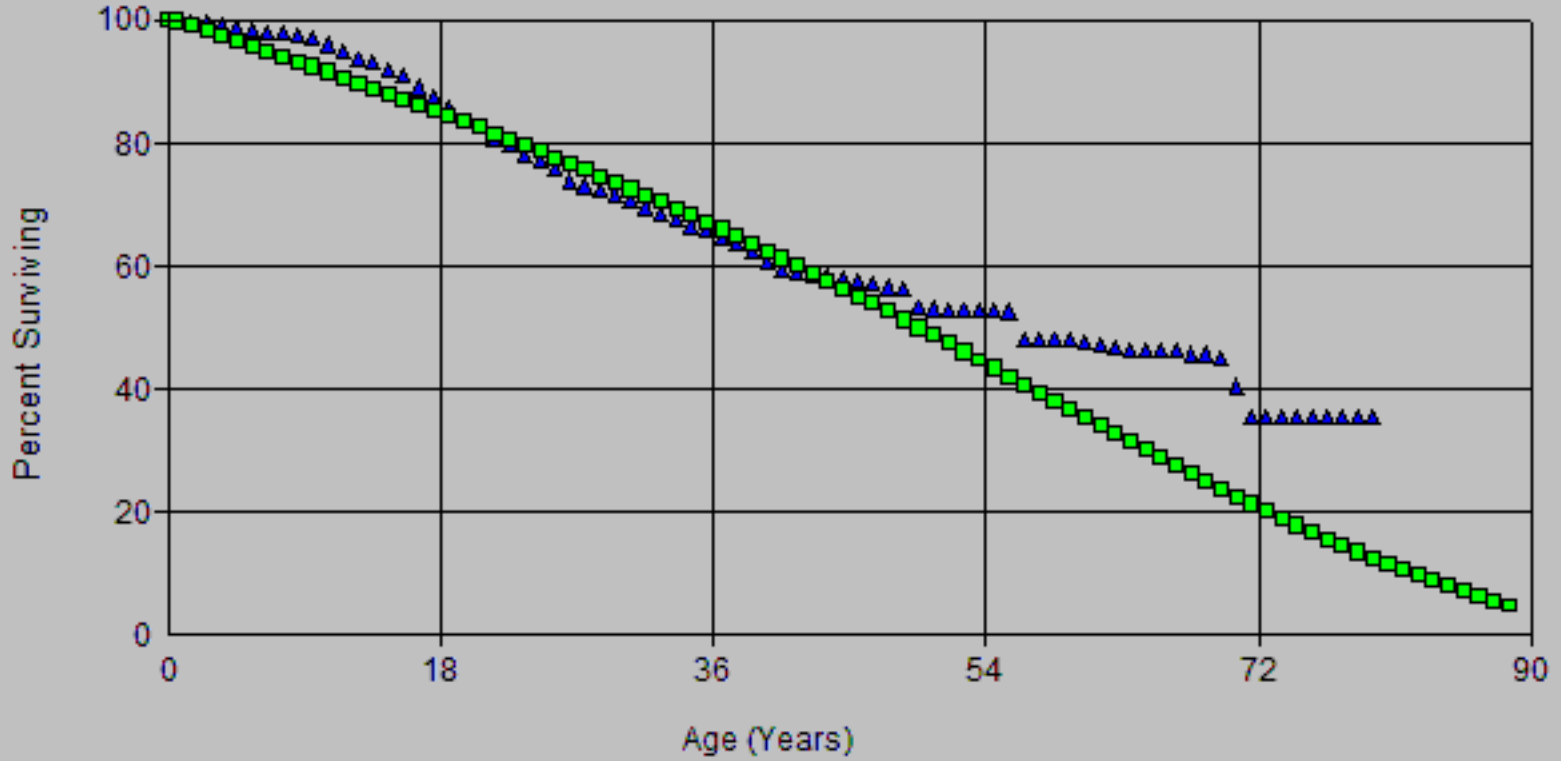


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

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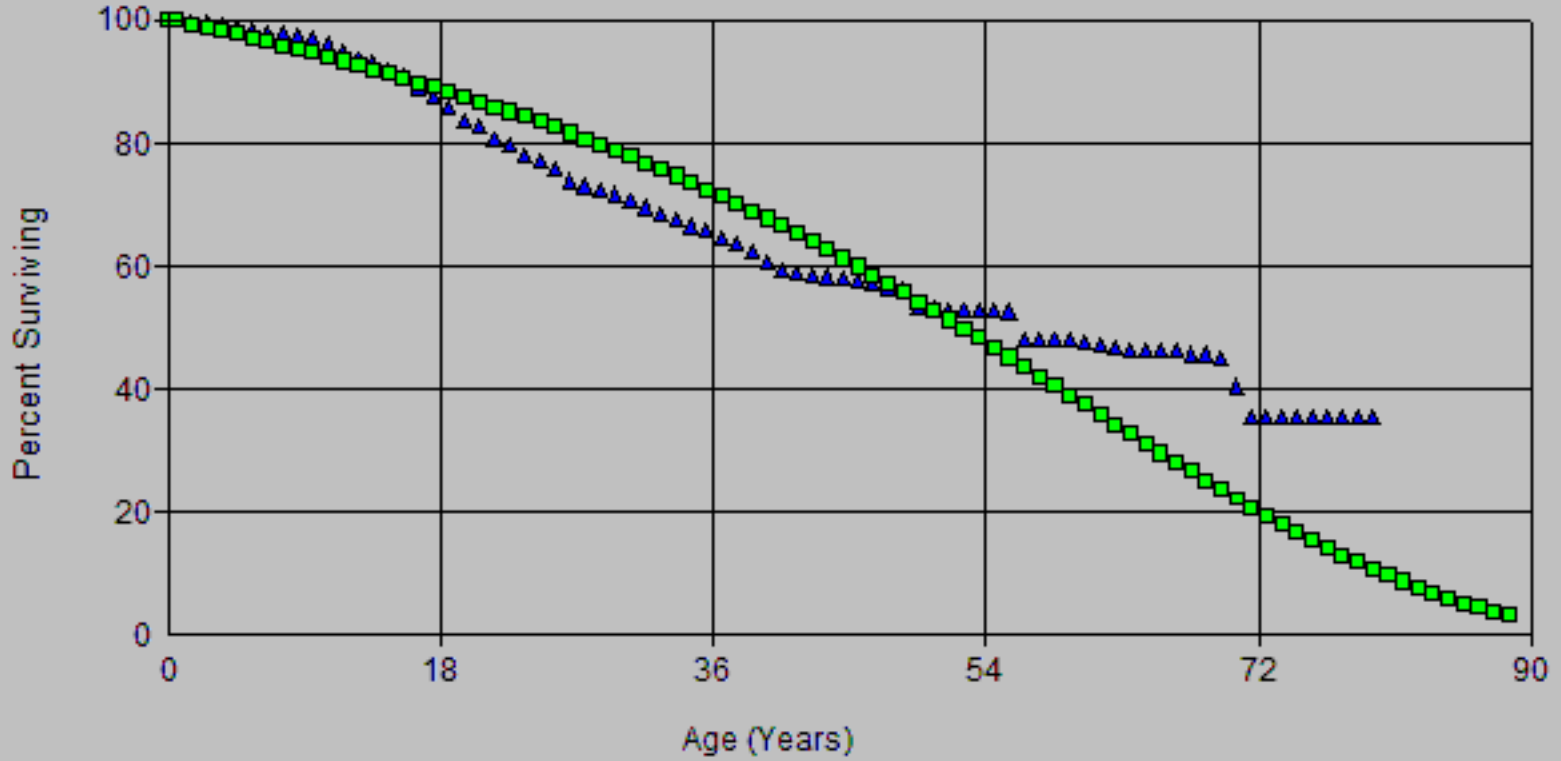


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

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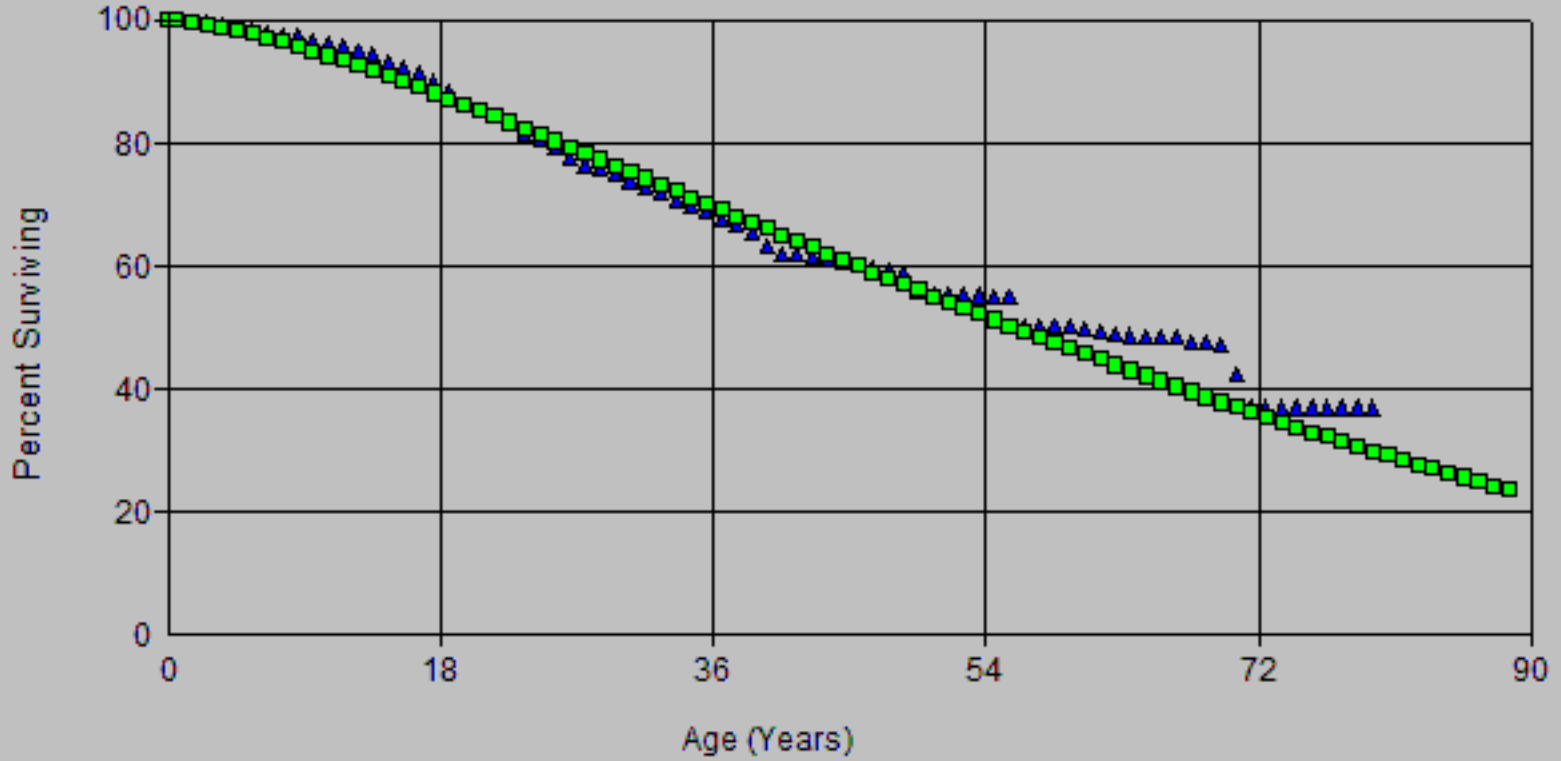


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

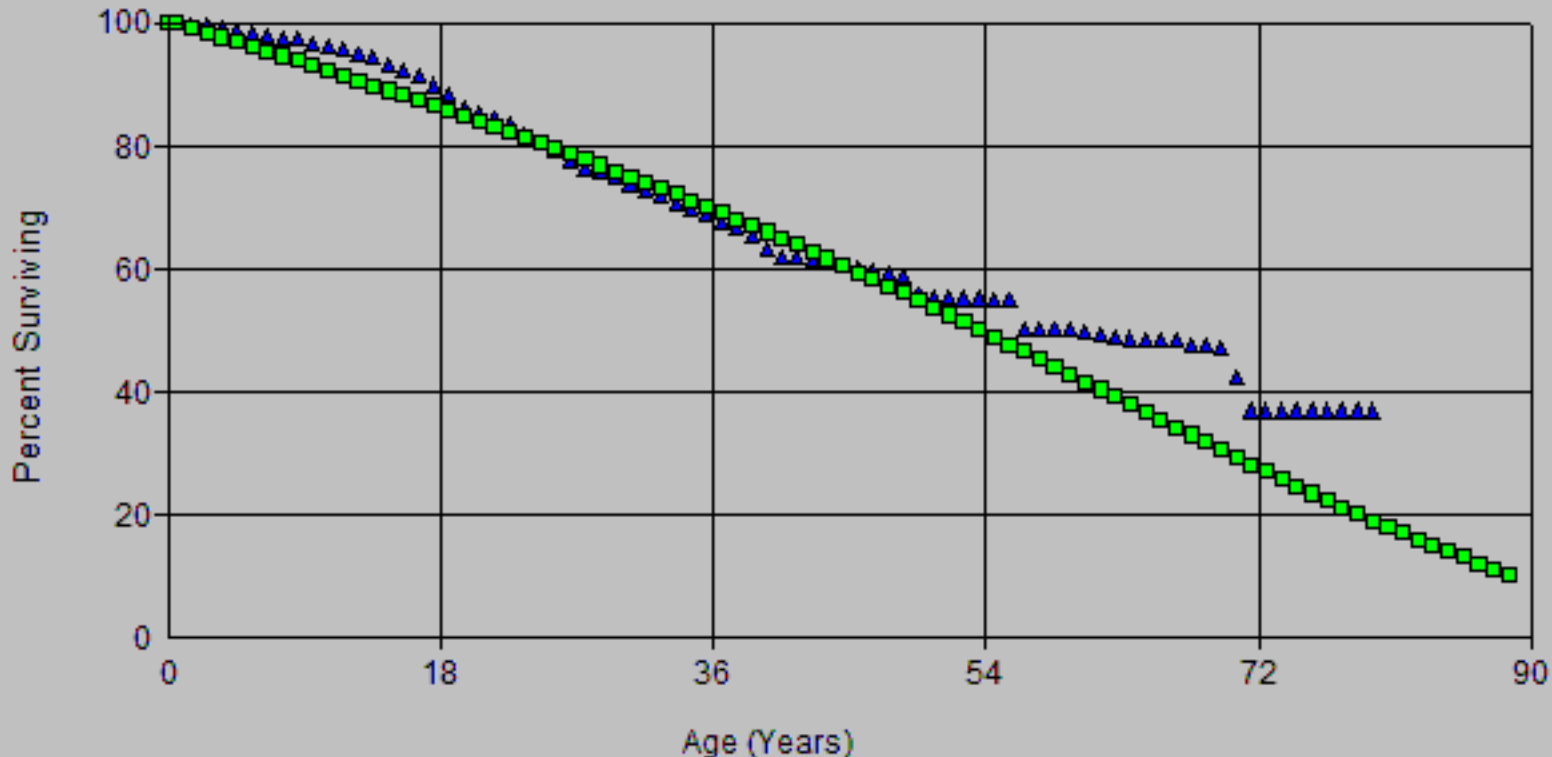
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Account: 368x-Compressor Station Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data

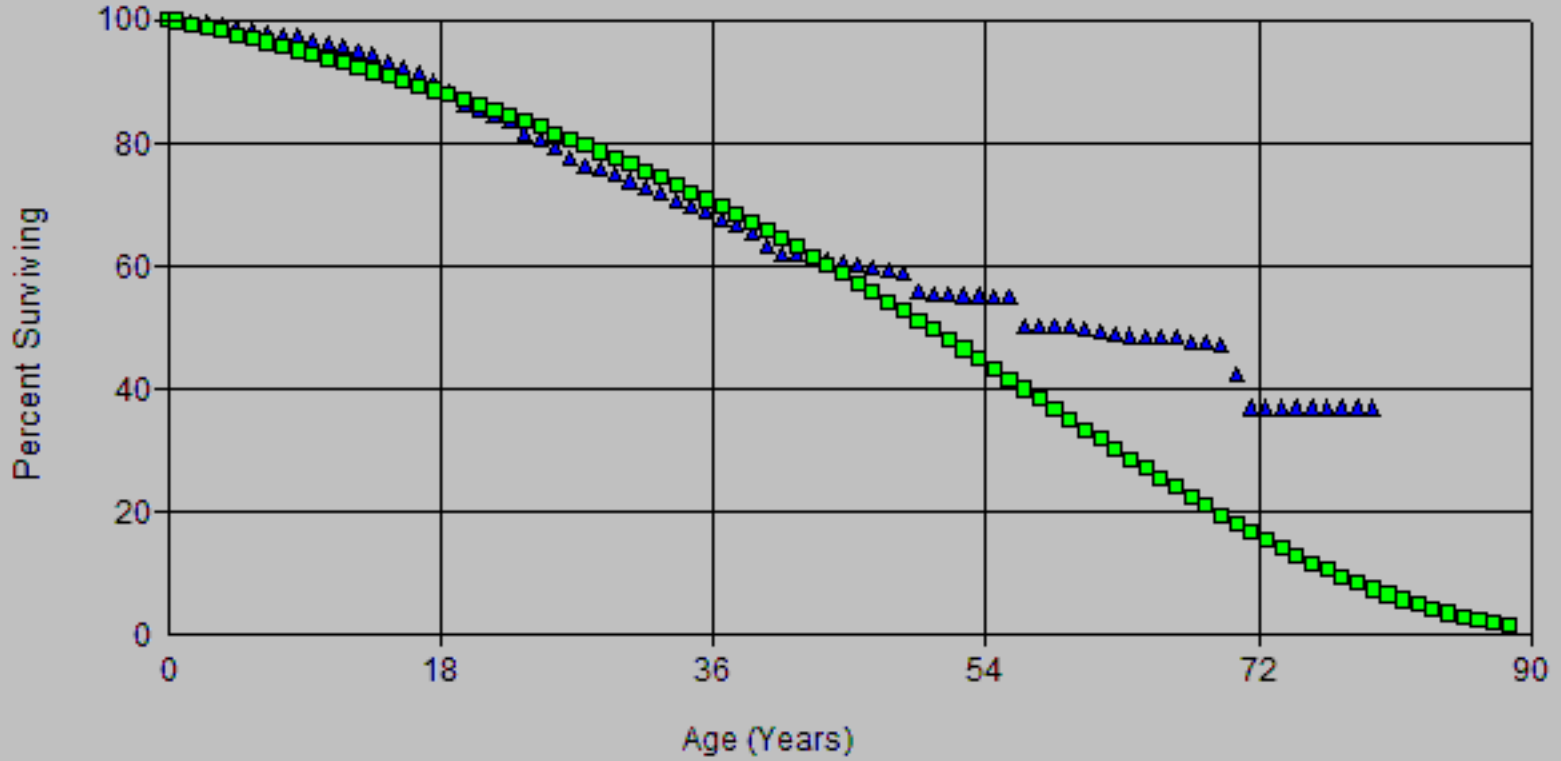
■ R0.5 52.00



SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 368x-Compressor Station Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1 48.00

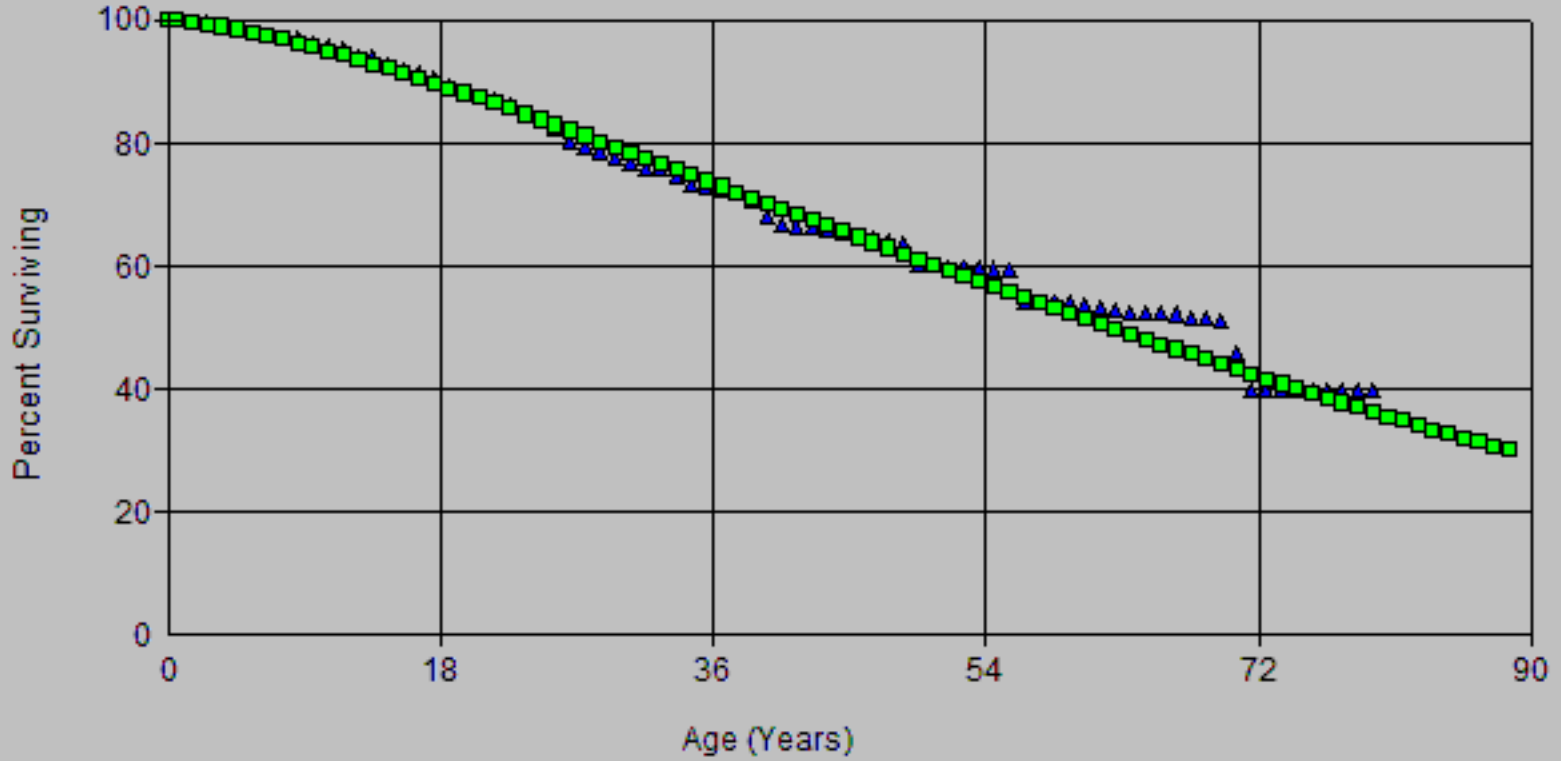


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

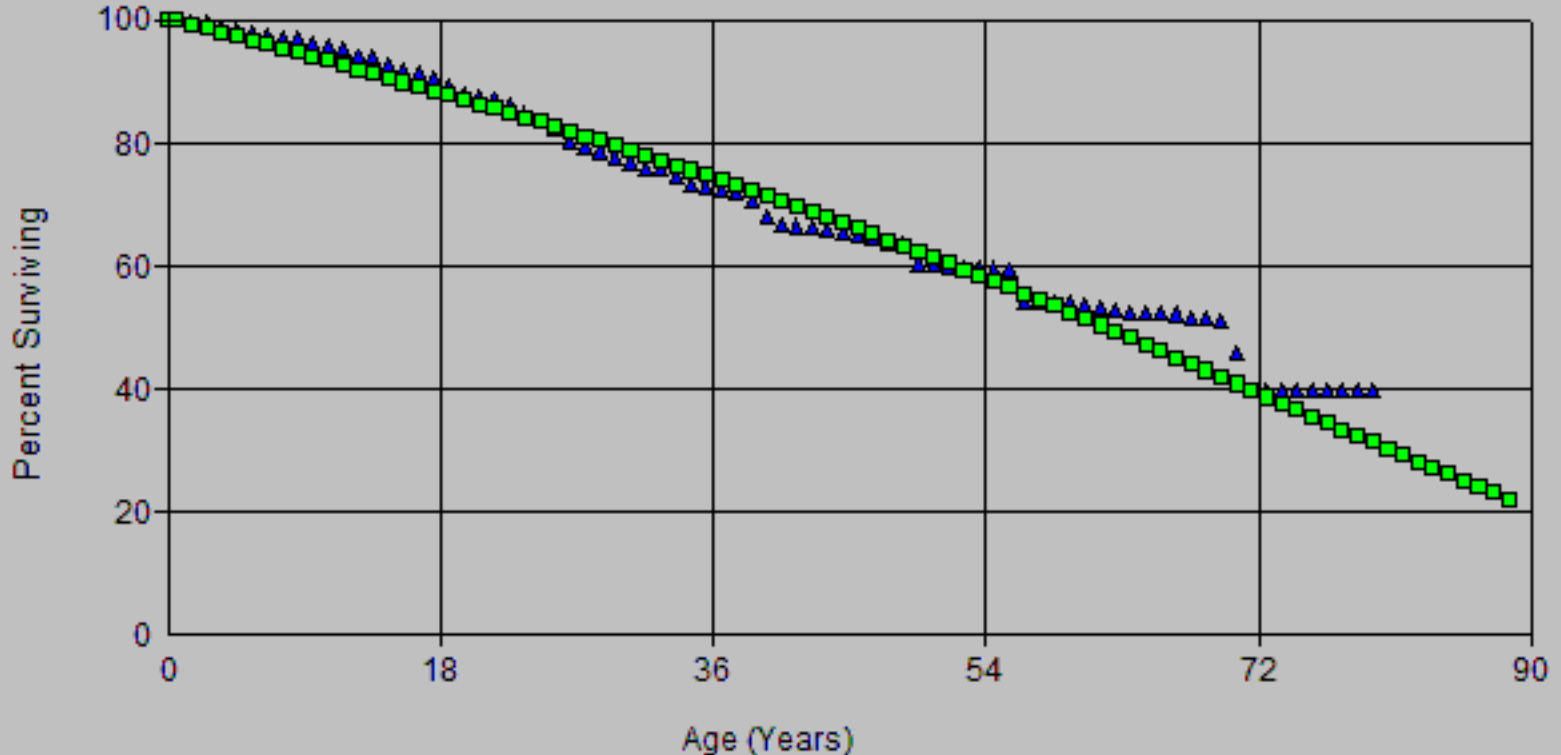
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SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 368x-Compressor Station Eqt Scenario: So Cal Gas Actuarial @ 2020

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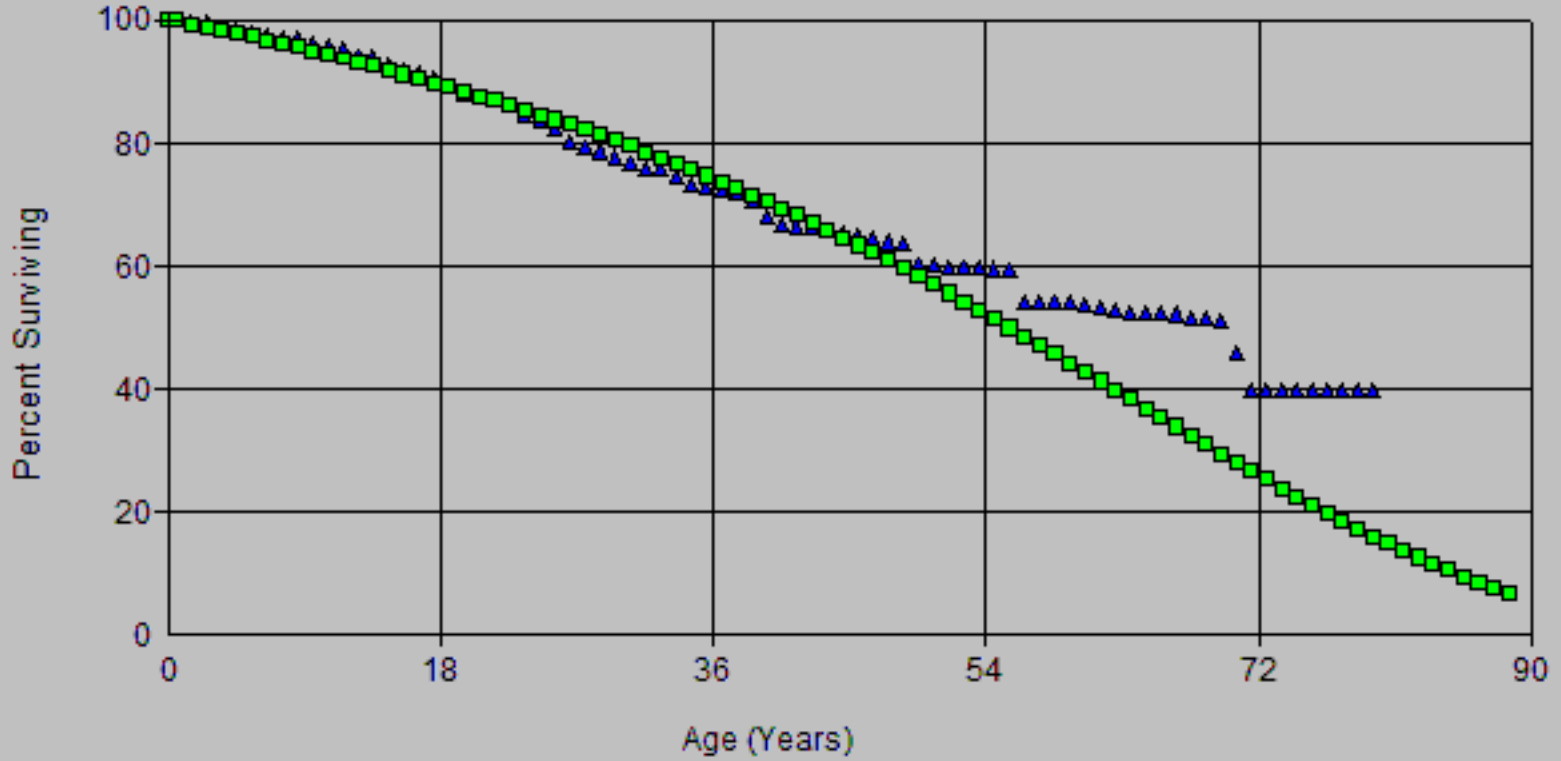


SoCalGas
2024 GRC APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

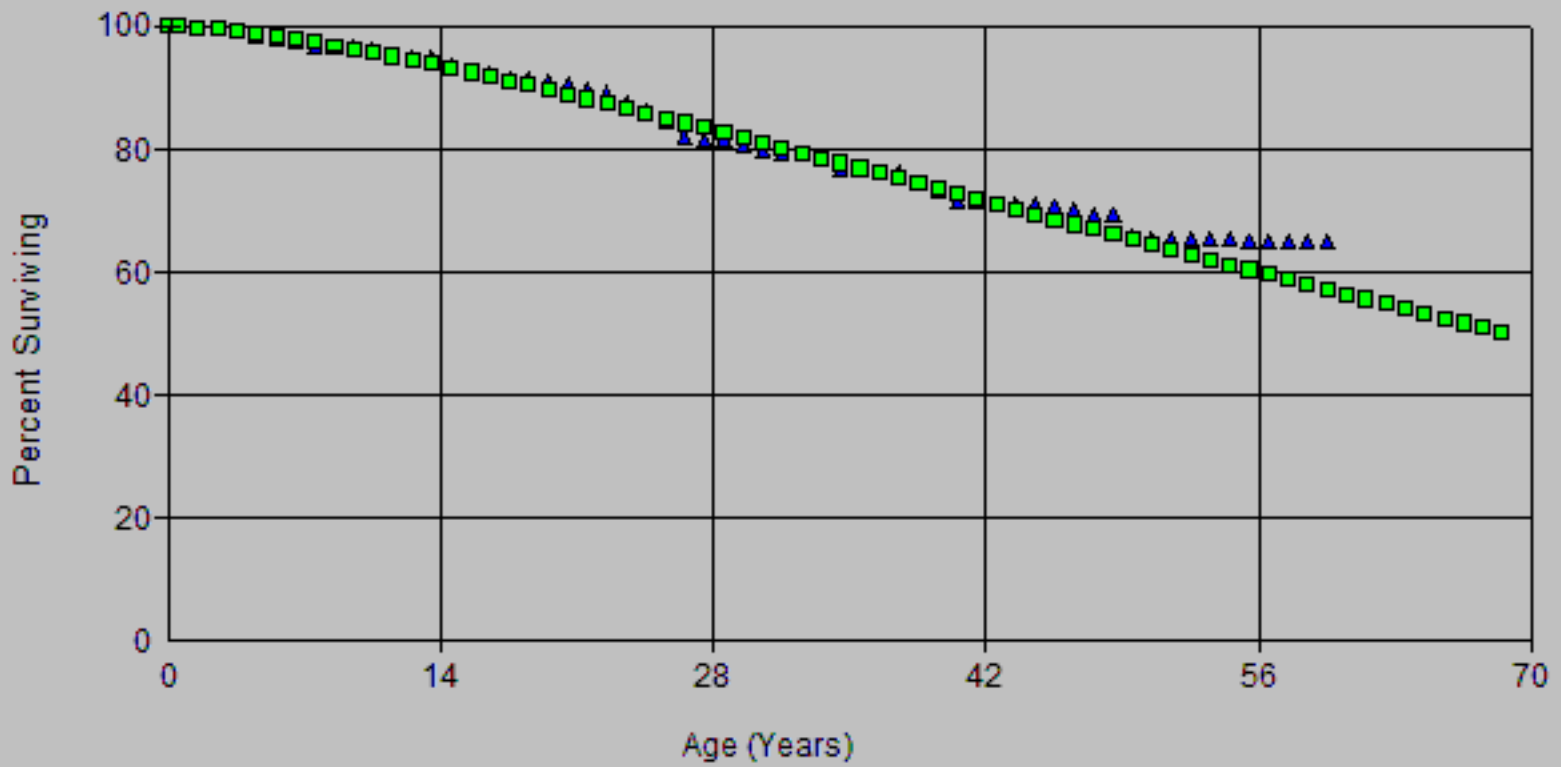
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SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 368x-Compressor Station Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 75.00

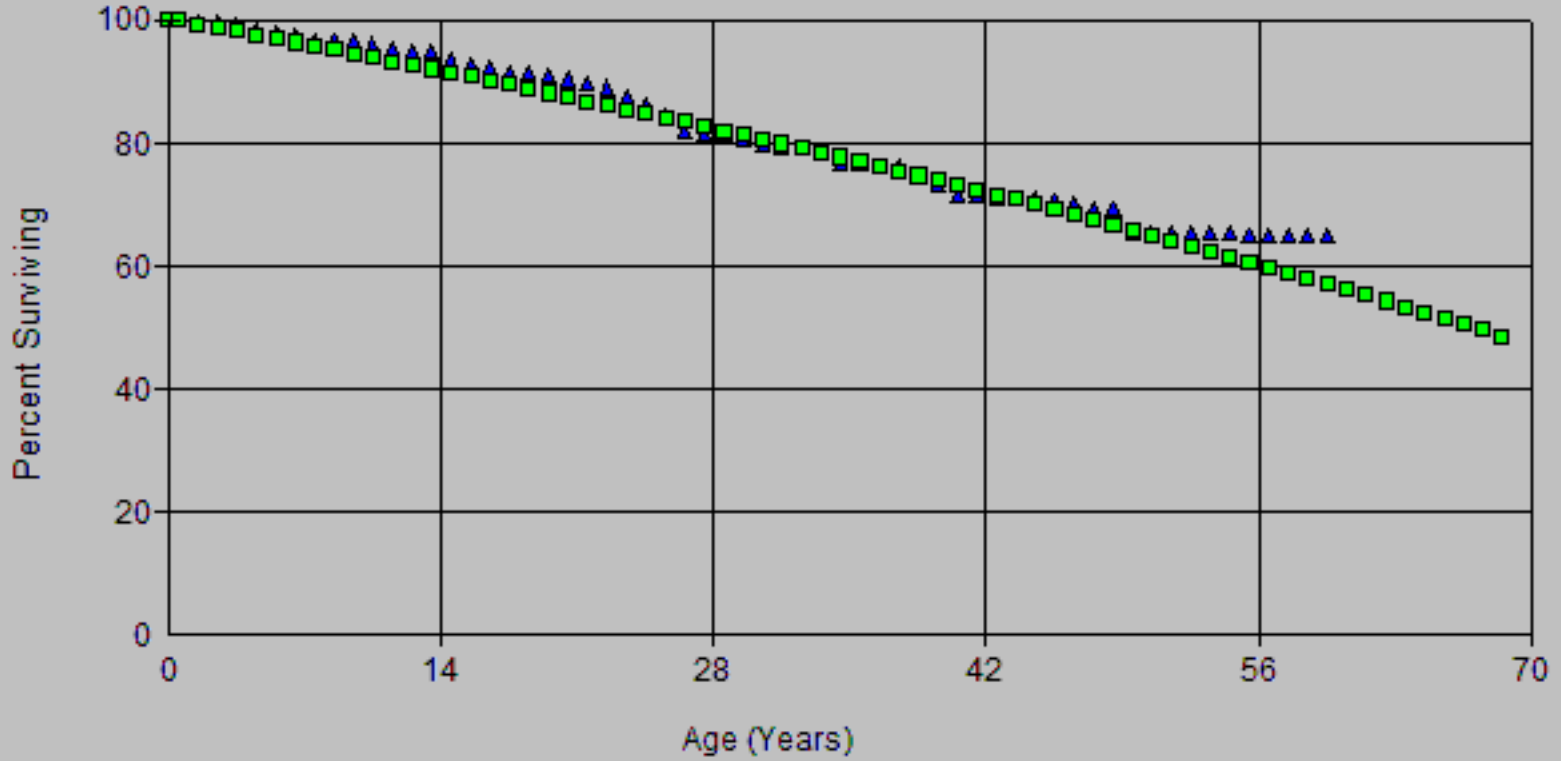


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

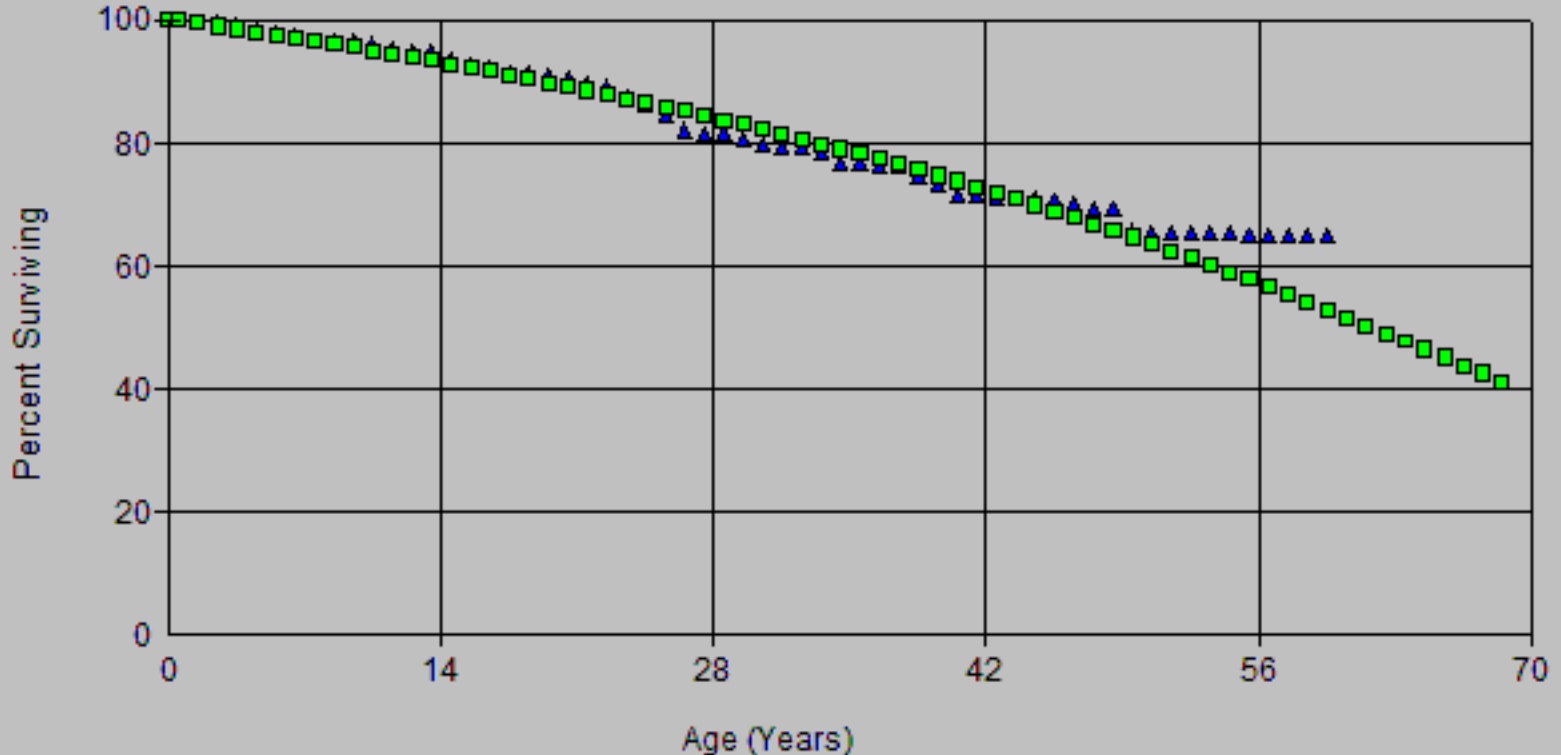
▲ Actual Data ■ R0.5 65.00



SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 368x-Compressor Station Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1 59.00

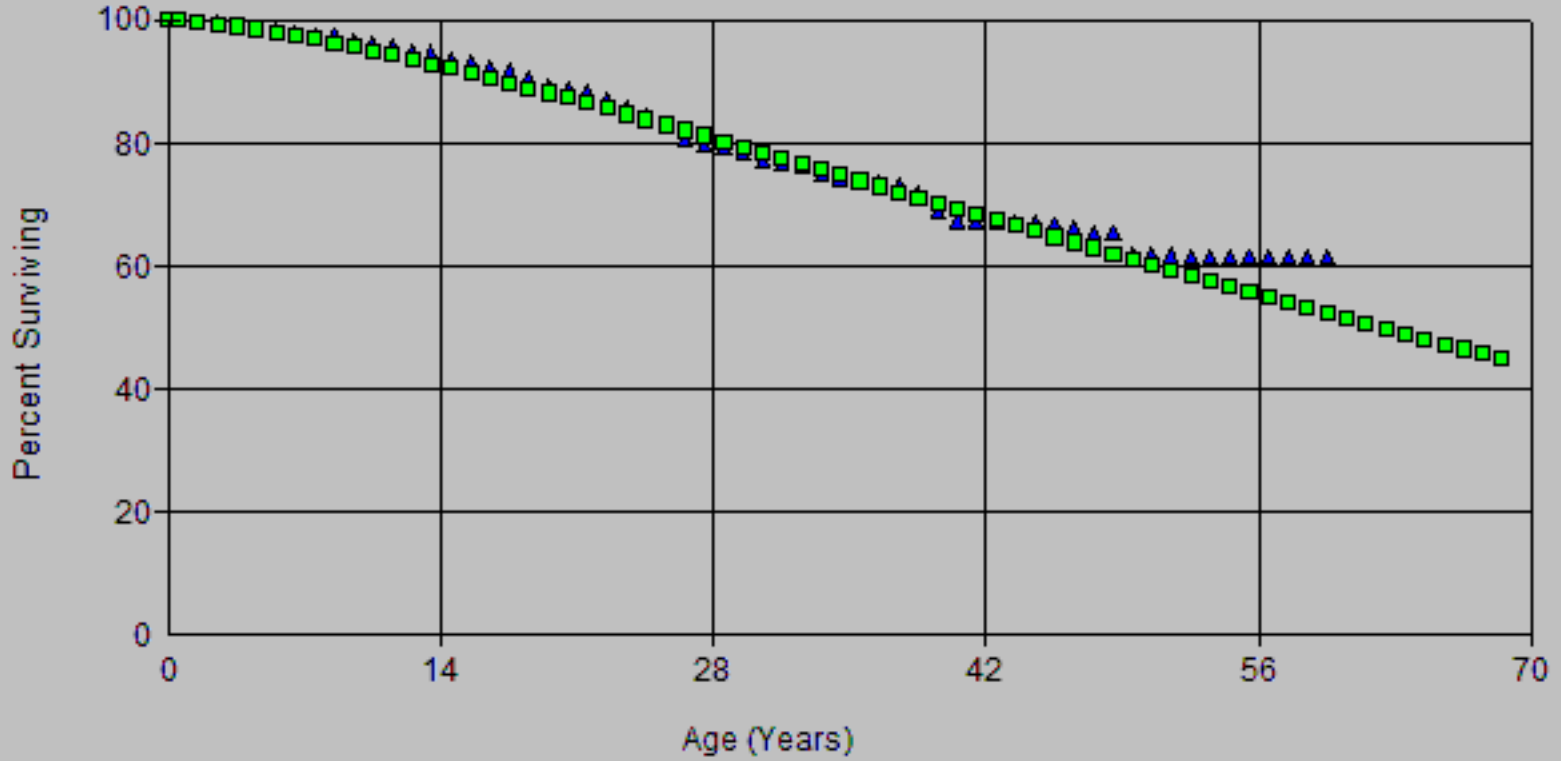


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 68.00

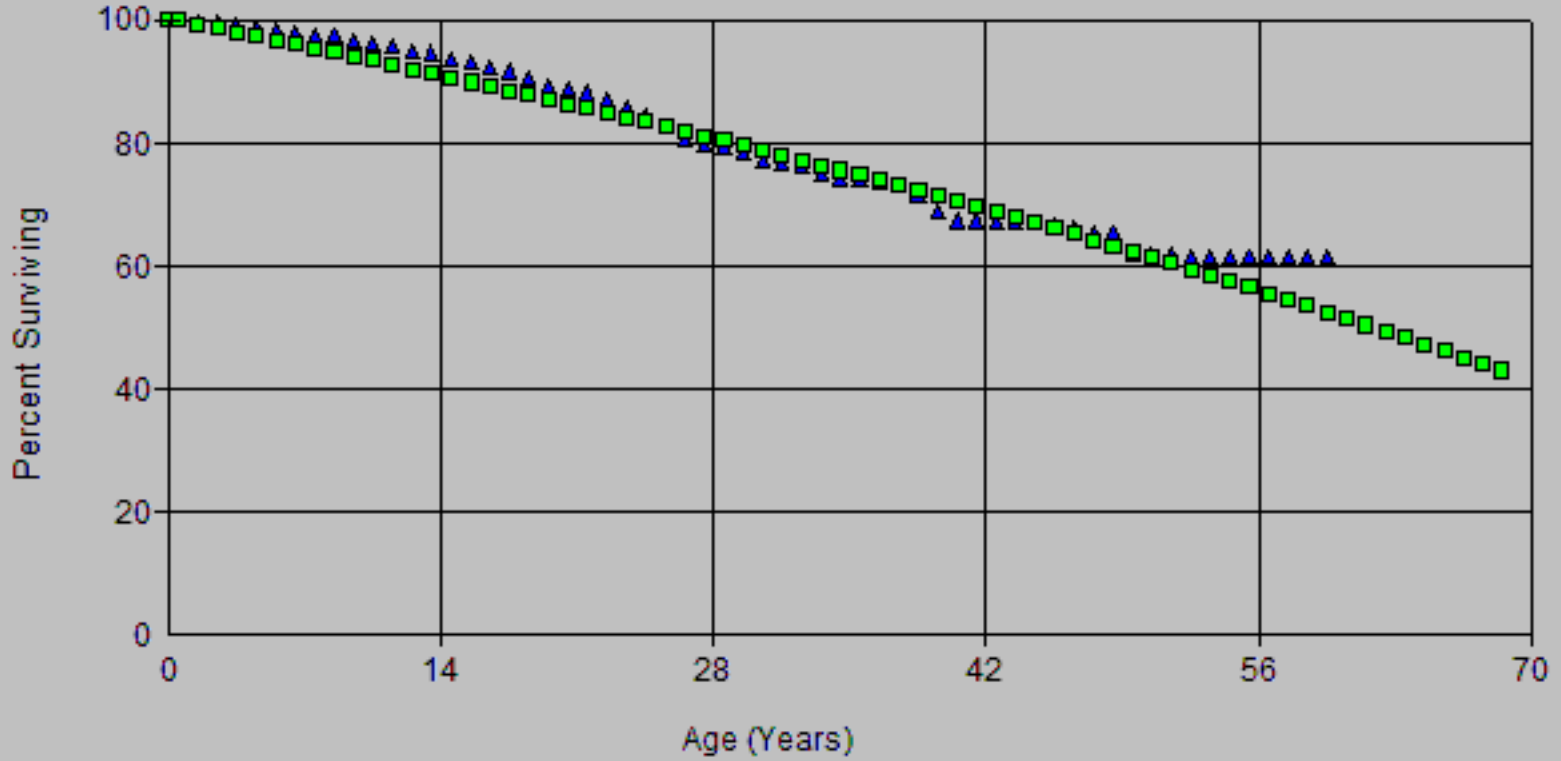


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

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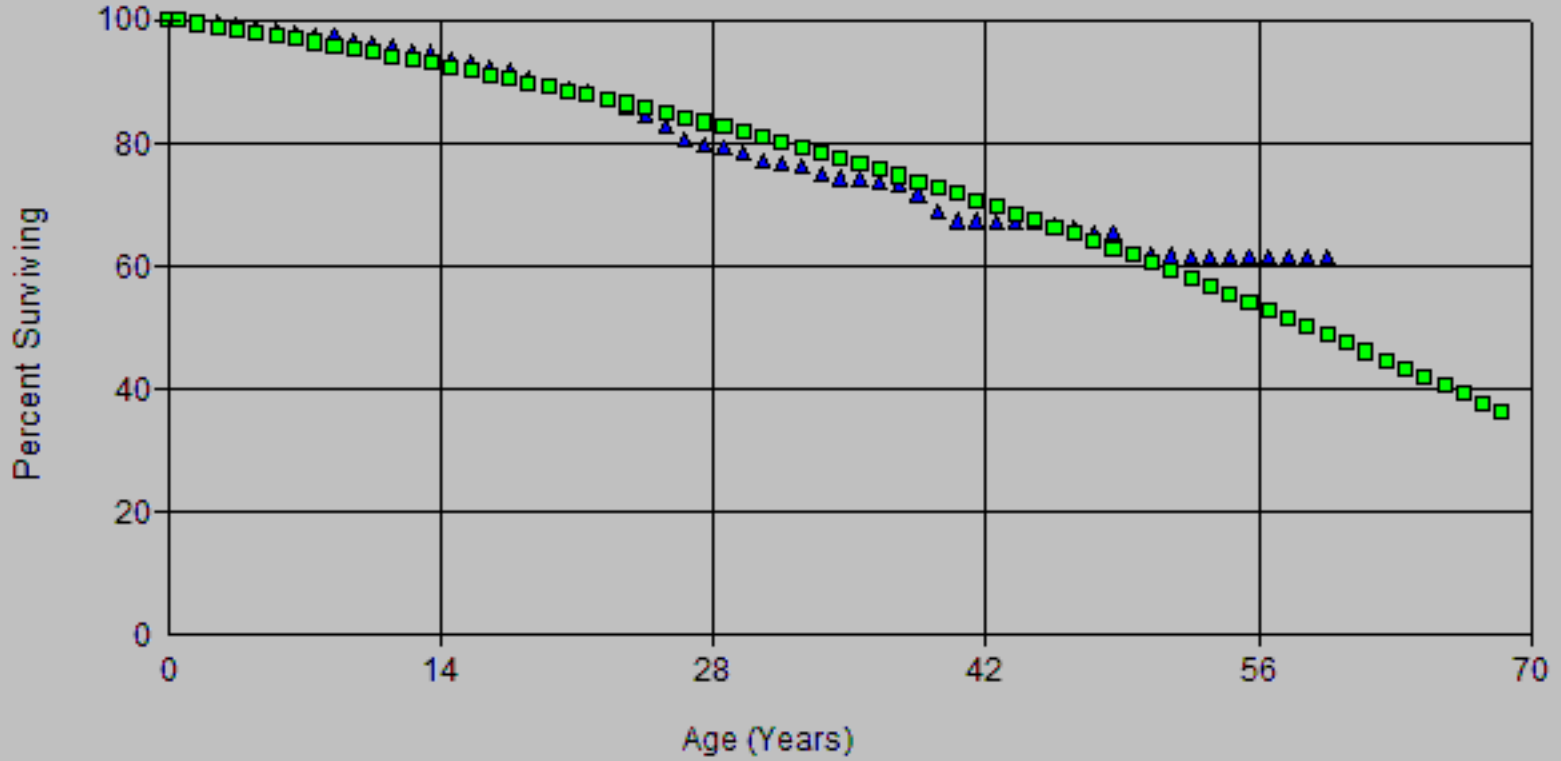


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

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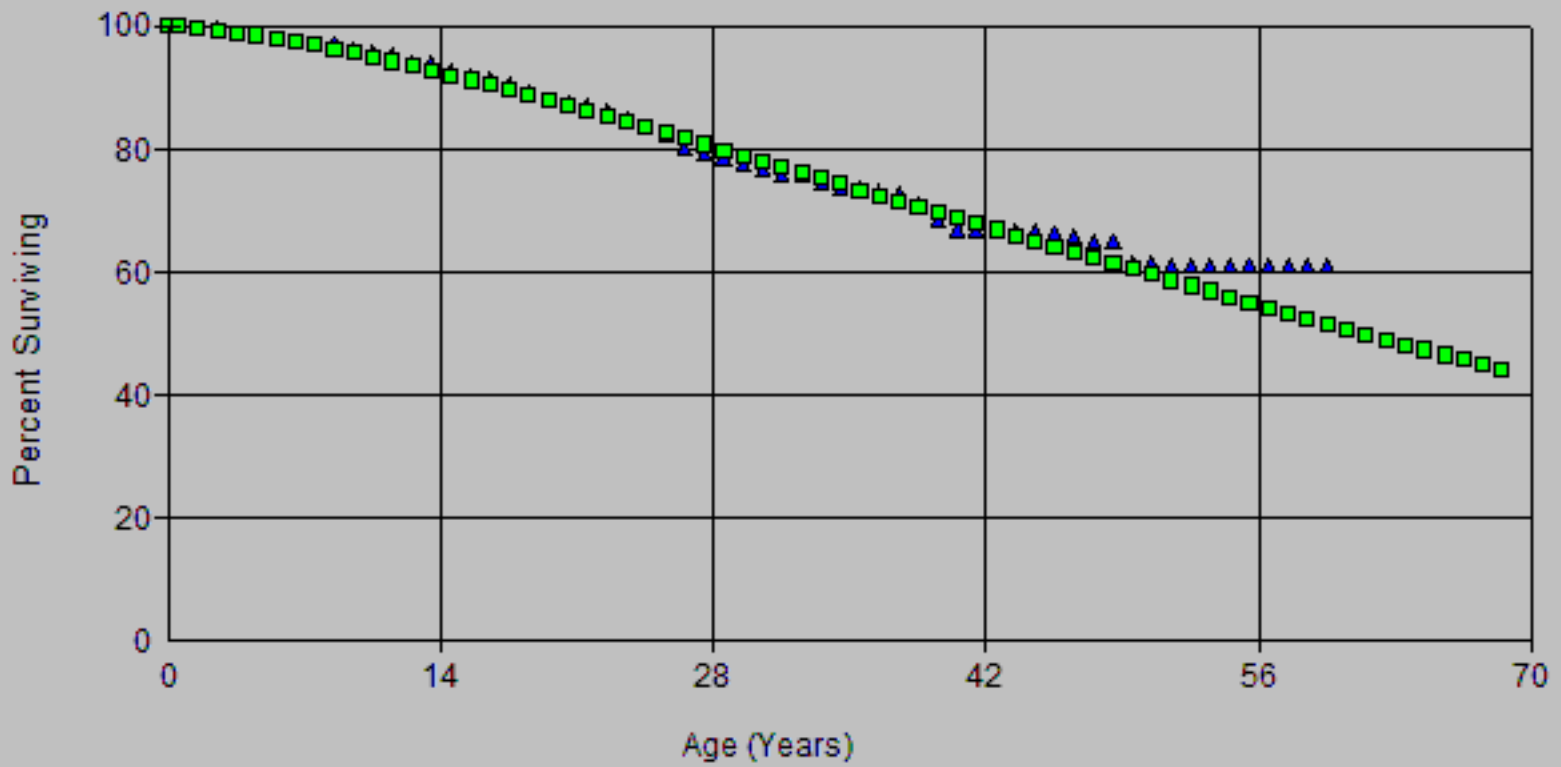


SoCalGas
2024 GRC - APP
Deprecation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

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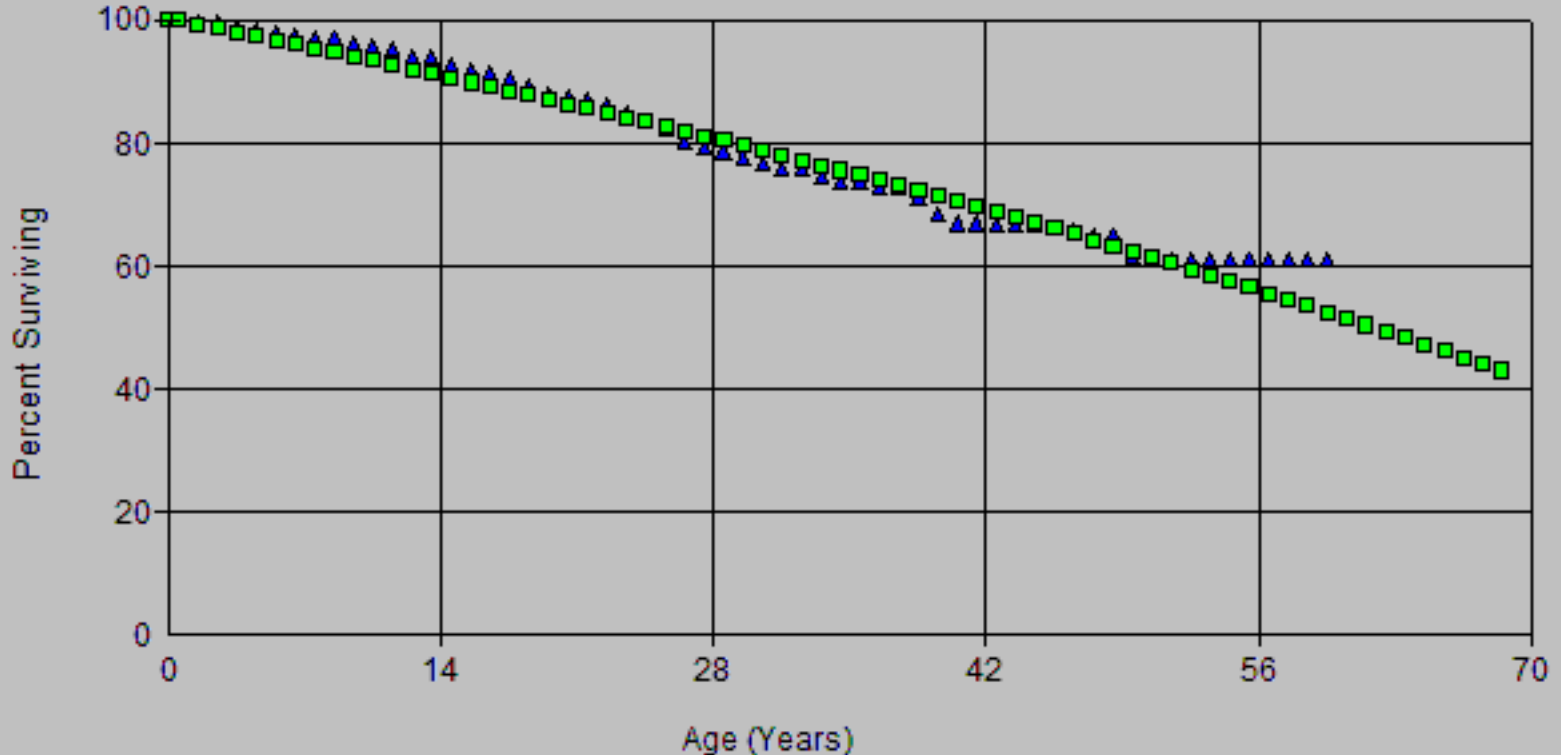


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

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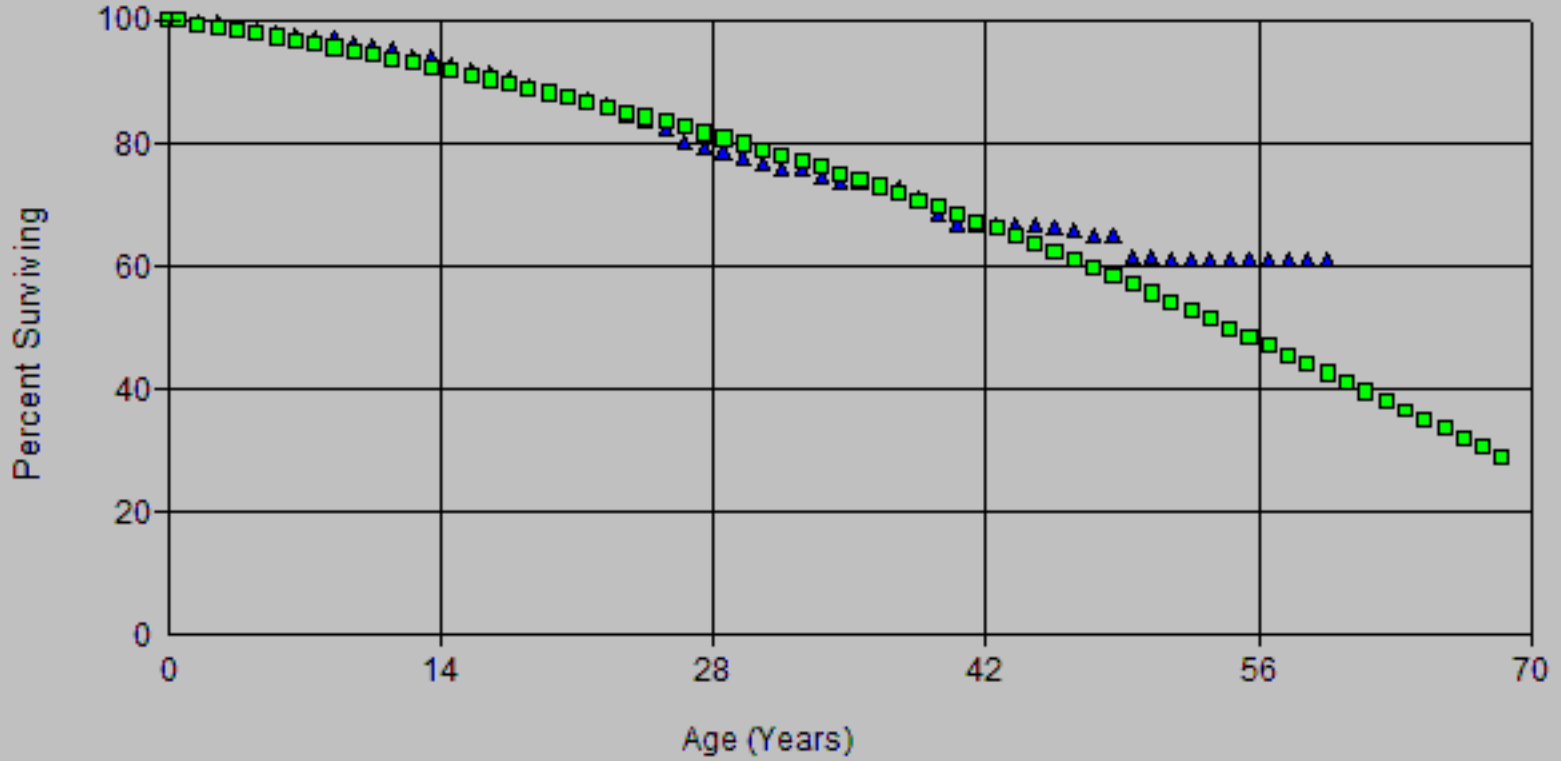


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 368x-Compressor Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

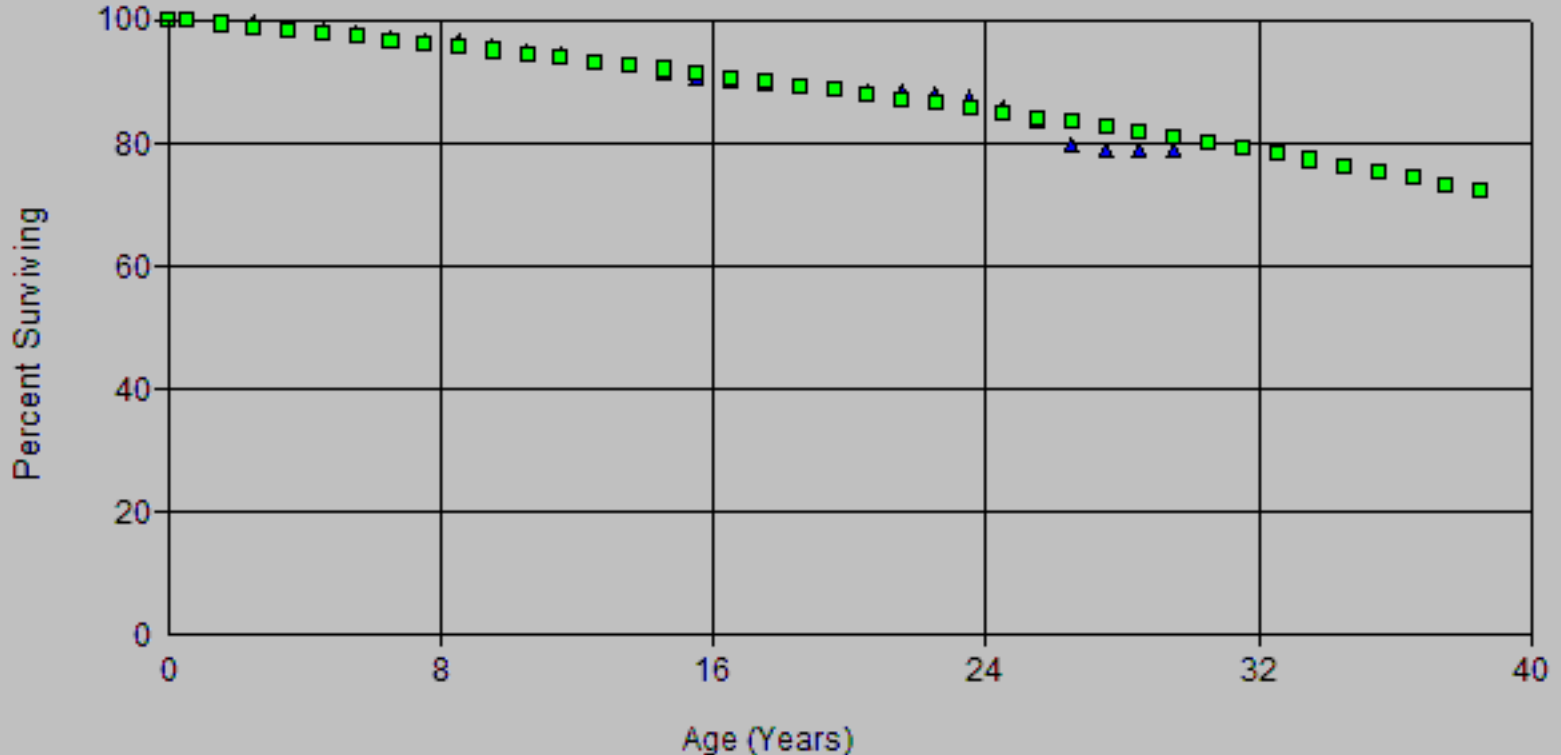
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SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 368x-Compressor Station Eqt Scenario: So Cal Gas Actuarial @ 2020

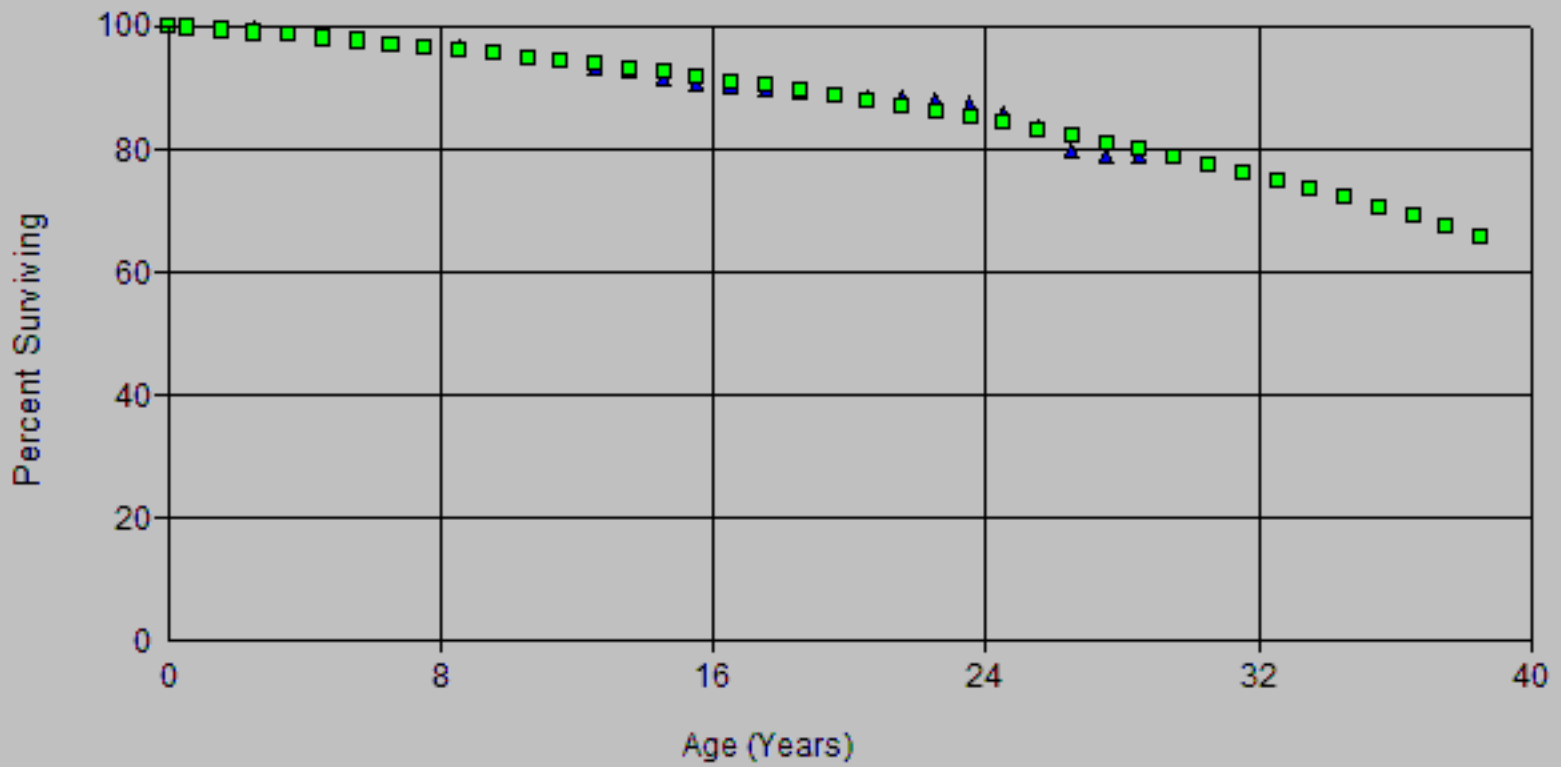
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SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 368x-Compressor Station Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1.5 45.00



Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1937 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	172,066,697.17	0.00	0.00000	1.00000	100.00
0.5	149,228,410.26	462,538.01	0.00310	0.99690	100.00
1.5	114,034,477.45	0.00	0.00000	1.00000	99.69
2.5	119,920,321.54	334,299.60	0.00279	0.99721	99.69
3.5	129,048,646.91	1,242,270.32	0.00963	0.99037	99.41
4.5	128,639,598.24	746,562.24	0.00580	0.99420	98.46
5.5	107,880,256.02	490,394.50	0.00455	0.99545	97.88
6.5	106,114,501.65	624,262.60	0.00588	0.99412	97.44
7.5	85,907,251.43	180,368.43	0.00210	0.99790	96.87
8.5	83,926,270.79	0.00	0.00000	1.00000	96.66
9.5	83,119,308.08	487,055.60	0.00586	0.99414	96.66
10.5	83,773,928.17	478,041.13	0.00571	0.99429	96.10
11.5	82,211,444.24	330,820.01	0.00402	0.99598	95.55
12.5	108,194,435.08	342,952.58	0.00317	0.99683	95.16
13.5	103,355,229.74	1,508,961.61	0.01460	0.98540	94.86
14.5	103,659,634.76	890,988.42	0.00860	0.99140	93.48
15.5	94,402,246.92	291,917.98	0.00309	0.99691	92.67
16.5	100,959,042.07	832,927.02	0.00825	0.99175	92.39
17.5	90,298,162.68	228,729.31	0.00253	0.99747	91.63
18.5	73,176,209.61	392,177.05	0.00536	0.99464	91.39
19.5	68,411,226.51	373,836.62	0.00546	0.99454	90.90
20.5	66,974,787.87	390,905.26	0.00584	0.99416	90.41
21.5	69,597,106.47	566,104.01	0.00813	0.99187	89.88
22.5	71,428,870.63	1,354,675.37	0.01897	0.98103	89.15
23.5	69,110,948.32	913,600.38	0.01322	0.98678	87.46
24.5	66,395,627.78	1,176,687.43	0.01772	0.98228	86.30
25.5	62,469,893.01	1,895,554.62	0.03034	0.96966	84.77
26.5	59,816,827.43	541,933.38	0.00906	0.99094	82.20
27.5	35,020,811.68	30,647.41	0.00088	0.99912	81.46
28.5	33,535,993.11	252,848.75	0.00754	0.99246	81.38
29.5	28,744,441.83	344,556.57	0.01199	0.98801	80.77
30.5	27,210,564.23	111,023.36	0.00408	0.99592	79.80
31.5	20,930,954.20	36,979.82	0.00177	0.99823	79.47
32.5	16,533,046.96	201,541.02	0.01219	0.98781	79.33
33.5	15,320,156.18	315,027.64	0.02056	0.97944	78.37
34.5	10,909,314.77	0.00	0.00000	1.00000	76.76
35.5	10,480,706.30	33,136.00	0.00316	0.99684	76.76
36.5	9,128,129.18	0.00	0.00000	1.00000	76.51
37.5	8,447,004.39	195,515.24	0.02315	0.97685	76.51
38.5	13,900,160.97	231,610.70	0.01666	0.98334	74.74
39.5	13,689,686.74	381,070.97	0.02784	0.97216	73.50
40.5	16,080,942.27	11,083.09	0.00069	0.99931	71.45
41.5	16,548,475.04	29,549.49	0.00179	0.99821	71.40
42.5	16,542,576.02	44,012.05	0.00266	0.99734	71.27
43.5	16,434,099.04	0.00	0.00000	1.00000	71.08
44.5	16,476,320.13	108,258.36	0.00657	0.99343	71.08
45.5	16,430,675.43	45,595.65	0.00278	0.99722	70.62
46.5	14,064,026.89	242,375.57	0.01723	0.98277	70.42
47.5	16,328,031.05	25,527.00	0.00156	0.99844	69.21
48.5	16,423,716.92	1,203,032.64	0.07325	0.92675	69.10
49.5	14,391,157.98	34,067.39	0.00237	0.99763	64.04
50.5	14,180,504.11	25,626.77	0.00181	0.99819	63.89
51.5	13,608,987.77	17,793.89	0.00131	0.99869	63.77
52.5	15,140,008.53	5,173.22	0.00034	0.99966	63.69

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1937 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	10,908,432.20	1,874.30	0.00017	0.99983	63.66
54.5	10,881,308.73	13,358.59	0.00123	0.99877	63.65
55.5	8,380,593.19	12,489.94	0.00149	0.99851	63.58
56.5	8,092,643.10	6,447.34	0.00080	0.99920	63.48
57.5	8,543,476.12	7,694.89	0.00090	0.99910	63.43
58.5	8,386,379.17	15,131.68	0.00180	0.99820	63.37
59.5	8,265,025.00	41,406.10	0.00501	0.99499	63.26
60.5	8,176,700.45	84,653.36	0.01035	0.98965	62.94
61.5	7,132,887.24	61,510.36	0.00862	0.99138	62.29
62.5	5,089,458.87	26,336.40	0.00517	0.99483	61.75
63.5	4,933,070.92	14,040.56	0.00285	0.99715	61.43
64.5	4,851,322.14	9,928.45	0.00205	0.99795	61.26
65.5	4,809,155.44	5,937.55	0.00123	0.99877	61.13
66.5	3,893,232.10	45,160.70	0.01160	0.98840	61.06
67.5	1,091,292.27	0.00	0.00000	1.00000	60.35
68.5	909,983.36	10,560.00	0.01160	0.98840	60.35
69.5	822,545.69	85,036.66	0.10338	0.89662	59.65
70.5	511,936.63	64,596.62	0.12618	0.87382	53.48
71.5	383,534.53	0.00	0.00000	1.00000	46.74
72.5	829.17	0.00	0.00000	1.00000	46.74
73.5	829.17	0.00	0.00000	1.00000	46.74
74.5	829.17	0.00	0.00000	1.00000	46.74
75.5	557.17	0.00	0.00000	1.00000	46.74
76.5	170.17	0.00	0.00000	1.00000	46.74
77.5	170.17	0.00	0.00000	1.00000	46.74
78.5	170.17	0.00	0.00000	1.00000	46.74
79.5	0.00	0.00	0.00000	1.00000	46.74

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1937 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	368,378,554.88	0.00	0.00000	1.00000	100.00
0.5	335,875,890.27	462,538.01	0.00138	0.99862	100.00
1.5	295,437,786.52	3,000.00	0.00001	0.99999	99.86
2.5	284,147,945.37	1,648,268.18	0.00580	0.99420	99.86
3.5	272,930,935.29	1,326,250.98	0.00486	0.99514	99.28
4.5	262,289,123.41	761,711.32	0.00290	0.99710	98.80
5.5	239,759,683.45	921,396.40	0.00384	0.99616	98.51
6.5	236,819,018.60	649,873.02	0.00274	0.99726	98.13
7.5	216,264,011.39	227,313.92	0.00105	0.99895	97.87
8.5	212,916,925.13	1,522,211.58	0.00715	0.99285	97.76
9.5	216,419,411.38	2,144,108.60	0.00991	0.99009	97.06
10.5	212,438,425.63	2,496,664.20	0.01175	0.98825	96.10
11.5	207,976,654.41	2,435,341.60	0.01171	0.98829	94.97
12.5	203,540,083.34	1,293,634.34	0.00636	0.99364	93.86
13.5	196,016,279.78	2,507,501.11	0.01279	0.98721	93.26
14.5	190,467,768.08	2,090,735.44	0.01098	0.98902	92.07
15.5	178,653,287.58	3,724,603.32	0.02085	0.97915	91.06
16.5	170,178,331.21	3,278,239.44	0.01926	0.98074	89.16
17.5	152,112,276.81	2,737,704.63	0.01800	0.98200	87.44
18.5	130,914,578.55	3,434,653.58	0.02624	0.97376	85.87
19.5	117,926,613.28	1,324,819.98	0.01123	0.98877	83.62
20.5	114,863,699.44	2,520,229.16	0.02194	0.97806	82.68
21.5	111,613,254.90	1,388,444.30	0.01244	0.98756	80.86
22.5	109,987,170.85	2,356,643.16	0.02143	0.97857	79.86
23.5	106,602,225.24	1,319,348.45	0.01238	0.98762	78.15
24.5	103,397,570.39	1,804,669.40	0.01745	0.98255	77.18
25.5	98,830,122.83	2,410,442.34	0.02439	0.97561	75.83
26.5	95,662,169.53	1,192,924.87	0.01247	0.98753	73.98
27.5	70,194,016.34	507,477.55	0.00723	0.99277	73.06
28.5	68,005,123.44	704,459.30	0.01036	0.98964	72.53
29.5	62,697,499.24	1,000,617.84	0.01596	0.98404	71.78
30.5	60,480,445.80	862,818.39	0.01427	0.98573	70.63
31.5	49,839,068.74	649,794.96	0.01304	0.98696	69.63
32.5	44,680,488.78	715,189.09	0.01601	0.98399	68.72
33.5	42,944,926.96	668,185.66	0.01556	0.98444	67.62
34.5	37,249,458.37	289,909.95	0.00778	0.99222	66.57
35.5	36,321,607.22	690,785.84	0.01902	0.98098	66.05
36.5	32,597,145.94	444,133.33	0.01362	0.98638	64.79
37.5	29,901,510.57	613,282.85	0.02051	0.97949	63.91
38.5	29,238,507.25	949,881.35	0.03249	0.96751	62.60
39.5	28,205,039.66	545,082.68	0.01933	0.98067	60.57
40.5	27,646,226.16	152,862.89	0.00553	0.99447	59.39
41.5	27,493,363.27	165,863.03	0.00603	0.99397	59.07
42.5	27,306,354.29	175,989.46	0.00645	0.99355	58.71
43.5	26,903,120.64	122,731.50	0.00456	0.99544	58.33
44.5	26,715,926.77	255,229.45	0.00955	0.99045	58.07
45.5	26,433,582.75	103,330.62	0.00391	0.99609	57.51
46.5	23,023,124.25	285,586.65	0.01240	0.98760	57.29
47.5	22,589,680.02	36,214.00	0.00160	0.99840	56.58
48.5	22,544,443.05	1,207,058.70	0.05354	0.94646	56.48
49.5	20,439,979.66	107,114.84	0.00524	0.99476	53.46
50.5	20,124,040.09	99,055.15	0.00492	0.99508	53.18
51.5	18,504,108.92	27,589.12	0.00149	0.99851	52.92
52.5	17,183,065.46	7,617.29	0.00044	0.99956	52.84

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1937 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	12,753,948.32	10,438.56	0.00082	0.99918	52.82
54.5	12,638,787.05	17,125.65	0.00136	0.99864	52.77
55.5	9,904,324.46	864,811.11	0.08732	0.91268	52.70
56.5	8,615,180.54	7,660.25	0.00089	0.99911	48.10
57.5	8,562,723.87	8,705.87	0.00102	0.99898	48.06
58.5	8,391,238.74	15,131.83	0.00180	0.99820	48.01
59.5	8,269,423.45	41,406.13	0.00501	0.99499	47.92
60.5	8,180,810.06	84,653.37	0.01035	0.98965	47.68
61.5	7,136,609.84	61,510.36	0.00862	0.99138	47.19
62.5	5,093,181.47	26,336.40	0.00517	0.99483	46.78
63.5	4,936,793.52	14,040.56	0.00284	0.99716	46.54
64.5	4,854,874.57	9,928.45	0.00205	0.99795	46.41
65.5	4,812,707.87	5,937.55	0.00123	0.99877	46.31
66.5	3,896,784.53	45,160.70	0.01159	0.98841	46.26
67.5	1,094,844.70	0.00	0.00000	1.00000	45.72
68.5	909,983.36	10,560.00	0.01160	0.98840	45.72
69.5	822,545.69	85,036.66	0.10338	0.89662	45.19
70.5	511,936.63	64,596.62	0.12618	0.87382	40.52
71.5	383,534.53	0.00	0.00000	1.00000	35.41
72.5	829.17	0.00	0.00000	1.00000	35.41
73.5	829.17	0.00	0.00000	1.00000	35.41
74.5	829.17	0.00	0.00000	1.00000	35.41
75.5	557.17	0.00	0.00000	1.00000	35.41
76.5	170.17	0.00	0.00000	1.00000	35.41
77.5	170.17	0.00	0.00000	1.00000	35.41
78.5	170.17	0.00	0.00000	1.00000	35.41
79.5	0.00	0.00	0.00000	1.00000	35.41

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1937 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	342,956,611.21	0.00	0.00000	1.00000	100.00
0.5	310,791,356.48	462,538.01	0.00149	0.99851	100.00
1.5	271,931,433.21	3,000.00	0.00001	0.99999	99.85
2.5	265,140,510.80	1,648,187.44	0.00622	0.99378	99.85
3.5	254,140,440.23	1,325,220.69	0.00521	0.99479	99.23
4.5	243,618,091.71	747,289.89	0.00307	0.99693	98.71
5.5	221,147,185.51	901,336.45	0.00408	0.99592	98.41
6.5	220,282,592.02	635,626.38	0.00289	0.99711	98.01
7.5	206,210,705.23	199,800.05	0.00097	0.99903	97.72
8.5	203,380,554.51	1,475,268.52	0.00725	0.99275	97.63
9.5	199,439,897.90	1,063,061.24	0.00533	0.99467	96.92
10.5	197,350,786.37	869,629.01	0.00441	0.99559	96.40
11.5	195,119,424.56	1,890,183.94	0.00969	0.99031	95.98
12.5	197,990,408.25	917,970.52	0.00464	0.99536	95.05
13.5	190,945,220.90	2,414,756.15	0.01265	0.98735	94.61
14.5	185,493,075.67	1,870,177.09	0.01008	0.98992	93.41
15.5	173,902,042.51	1,963,591.94	0.01129	0.98871	92.47
16.5	167,193,038.96	2,536,956.60	0.01517	0.98483	91.43
17.5	149,868,267.40	2,497,922.72	0.01667	0.98333	90.04
18.5	128,910,351.05	3,243,749.90	0.02516	0.97484	88.54
19.5	116,117,652.35	1,204,294.90	0.01037	0.98963	86.31
20.5	113,175,263.59	1,322,642.34	0.01169	0.98831	85.41
21.5	111,122,405.87	1,116,403.59	0.01005	0.98995	84.42
22.5	109,768,362.53	2,317,278.90	0.02111	0.97889	83.57
23.5	106,602,225.24	1,319,348.45	0.01238	0.98762	81.80
24.5	103,397,570.39	1,804,669.40	0.01745	0.98255	80.79
25.5	98,830,122.83	2,410,442.34	0.02439	0.97561	79.38
26.5	95,662,169.53	1,192,924.87	0.01247	0.98753	77.44
27.5	70,194,016.34	507,477.55	0.00723	0.99277	76.48
28.5	68,005,123.44	704,459.30	0.01036	0.98964	75.93
29.5	62,697,499.24	1,000,617.84	0.01596	0.98404	75.14
30.5	60,480,445.80	862,818.39	0.01427	0.98573	73.94
31.5	49,839,068.74	649,794.96	0.01304	0.98696	72.89
32.5	44,680,488.78	715,189.09	0.01601	0.98399	71.94
33.5	42,944,926.96	668,185.66	0.01556	0.98444	70.78
34.5	37,249,458.37	289,909.95	0.00778	0.99222	69.68
35.5	36,321,607.22	690,785.84	0.01902	0.98098	69.14
36.5	32,597,145.94	444,133.33	0.01362	0.98638	67.83
37.5	29,901,510.57	613,282.85	0.02051	0.97949	66.90
38.5	29,238,507.25	949,881.35	0.03249	0.96751	65.53
39.5	28,205,039.66	545,082.68	0.01933	0.98067	63.40
40.5	27,646,226.16	152,862.89	0.00553	0.99447	62.17
41.5	27,493,363.27	165,863.03	0.00603	0.99397	61.83
42.5	27,306,354.29	175,989.46	0.00645	0.99355	61.46
43.5	26,903,120.64	122,731.50	0.00456	0.99544	61.06
44.5	26,715,926.77	255,229.45	0.00955	0.99045	60.78
45.5	26,433,582.75	103,330.62	0.00391	0.99609	60.20
46.5	23,023,124.25	285,586.65	0.01240	0.98760	59.97
47.5	22,589,680.02	36,214.00	0.00160	0.99840	59.22
48.5	22,544,443.05	1,207,058.70	0.05354	0.94646	59.13
49.5	20,439,979.66	107,114.84	0.00524	0.99476	55.96
50.5	20,124,040.09	99,055.15	0.00492	0.99508	55.67
51.5	18,504,108.92	27,589.12	0.00149	0.99851	55.40
52.5	17,183,065.46	7,617.29	0.00044	0.99956	55.31

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1937 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	12,753,948.32	10,438.56	0.00082	0.99918	55.29
54.5	12,638,787.05	17,125.65	0.00136	0.99864	55.24
55.5	9,904,324.46	864,811.11	0.08732	0.91268	55.17
56.5	8,615,180.54	7,660.25	0.00089	0.99911	50.35
57.5	8,562,723.87	8,705.87	0.00102	0.99898	50.31
58.5	8,391,238.74	15,131.83	0.00180	0.99820	50.26
59.5	8,269,423.45	41,406.13	0.00501	0.99499	50.17
60.5	8,180,810.06	84,653.37	0.01035	0.98965	49.92
61.5	7,136,609.84	61,510.36	0.00862	0.99138	49.40
62.5	5,093,181.47	26,336.40	0.00517	0.99483	48.97
63.5	4,936,793.52	14,040.56	0.00284	0.99716	48.72
64.5	4,854,874.57	9,928.45	0.00205	0.99795	48.58
65.5	4,812,707.87	5,937.55	0.00123	0.99877	48.48
66.5	3,896,784.53	45,160.70	0.01159	0.98841	48.42
67.5	1,094,844.70	0.00	0.00000	1.00000	47.86
68.5	909,983.36	10,560.00	0.01160	0.98840	47.86
69.5	822,545.69	85,036.66	0.10338	0.89662	47.31
70.5	511,936.63	64,596.62	0.12618	0.87382	42.42
71.5	383,534.53	0.00	0.00000	1.00000	37.06
72.5	829.17	0.00	0.00000	1.00000	37.06
73.5	829.17	0.00	0.00000	1.00000	37.06
74.5	829.17	0.00	0.00000	1.00000	37.06
75.5	557.17	0.00	0.00000	1.00000	37.06
76.5	170.17	0.00	0.00000	1.00000	37.06
77.5	170.17	0.00	0.00000	1.00000	37.06
78.5	170.17	0.00	0.00000	1.00000	37.06
79.5	0.00	0.00	0.00000	1.00000	37.06

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1937 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	284,147,952.31	0.00	0.00000	1.00000	100.00
0.5	253,040,955.55	462,538.01	0.00183	0.99817	100.00
1.5	223,953,966.02	3,000.00	0.00001	0.99999	99.82
2.5	218,224,404.59	1,648,136.13	0.00755	0.99245	99.82
3.5	209,517,892.91	1,324,791.15	0.00632	0.99368	99.06
4.5	204,665,930.60	746,757.33	0.00365	0.99635	98.44
5.5	183,720,440.20	897,275.08	0.00488	0.99512	98.08
6.5	184,631,833.77	625,382.00	0.00339	0.99661	97.60
7.5	166,798,158.29	182,637.45	0.00109	0.99891	97.27
8.5	163,561,296.84	1,410,996.95	0.00863	0.99137	97.16
9.5	159,542,521.62	1,003,225.45	0.00629	0.99371	96.32
10.5	156,716,355.80	701,610.31	0.00448	0.99552	95.72
11.5	154,049,638.47	1,613,982.78	0.01048	0.98952	95.29
12.5	150,556,792.70	514,832.09	0.00342	0.99658	94.29
13.5	144,046,798.42	1,574,475.80	0.01093	0.98907	93.97
14.5	139,498,543.58	1,259,958.96	0.00903	0.99097	92.94
15.5	128,543,390.17	1,004,622.59	0.00782	0.99218	92.10
16.5	126,898,782.83	1,104,030.86	0.00870	0.99130	91.38
17.5	111,169,084.13	1,497,649.50	0.01347	0.98653	90.59
18.5	91,221,267.92	1,370,693.65	0.01503	0.98497	89.37
19.5	81,509,326.42	410,703.79	0.00504	0.99496	88.02
20.5	79,594,201.13	454,582.54	0.00571	0.99429	87.58
21.5	80,352,658.02	648,034.55	0.00806	0.99194	87.08
22.5	81,449,693.52	1,459,511.39	0.01792	0.98208	86.38
23.5	85,950,913.60	1,056,664.42	0.01229	0.98771	84.83
24.5	83,131,102.51	1,512,972.85	0.01820	0.98180	83.79
25.5	82,692,723.07	2,203,686.66	0.02665	0.97335	82.26
26.5	80,298,026.63	883,389.96	0.01100	0.98900	80.07
27.5	55,192,673.35	314,515.62	0.00570	0.99430	79.19
28.5	53,391,174.52	565,151.07	0.01059	0.98941	78.74
29.5	48,350,095.35	788,371.44	0.01631	0.98369	77.90
30.5	46,613,919.17	336,917.00	0.00723	0.99277	76.63
31.5	37,704,027.08	135,604.80	0.00360	0.99640	76.08
32.5	36,373,699.20	559,195.96	0.01537	0.98463	75.80
33.5	34,946,641.04	546,151.74	0.01563	0.98437	74.64
34.5	29,451,987.69	149,103.26	0.00506	0.99494	73.47
35.5	28,705,980.10	302,418.03	0.01054	0.98946	73.10
36.5	26,537,351.22	137,694.79	0.00519	0.99481	72.33
37.5	27,444,763.91	559,498.92	0.02039	0.97961	71.96
38.5	27,054,466.48	896,964.14	0.03315	0.96685	70.49
39.5	26,160,962.21	522,647.05	0.01998	0.98002	68.15
40.5	25,885,345.78	66,765.43	0.00258	0.99742	66.79
41.5	25,977,813.56	110,285.24	0.00425	0.99575	66.62
42.5	27,283,296.12	175,363.51	0.00643	0.99357	66.33
43.5	26,898,034.64	122,702.03	0.00456	0.99544	65.91
44.5	26,711,348.75	255,208.21	0.00955	0.99045	65.61
45.5	26,429,323.42	103,313.41	0.00391	0.99609	64.98
46.5	23,019,278.02	285,568.19	0.01241	0.98759	64.72
47.5	22,585,852.25	36,168.43	0.00160	0.99840	63.92
48.5	22,540,660.85	1,207,044.16	0.05355	0.94645	63.82
49.5	20,436,383.67	107,104.34	0.00524	0.99476	60.40
50.5	20,120,454.60	99,055.15	0.00492	0.99508	60.09
51.5	18,500,523.43	27,571.18	0.00149	0.99851	59.79
52.5	17,179,497.91	7,607.44	0.00044	0.99956	59.70

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1937 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	12,753,948.32	10,438.56	0.00082	0.99918	59.67
54.5	12,638,787.05	17,125.65	0.00136	0.99864	59.63
55.5	9,904,324.46	864,811.11	0.08732	0.91268	59.54
56.5	8,615,180.54	7,660.25	0.00089	0.99911	54.35
57.5	8,562,723.87	8,705.87	0.00102	0.99898	54.30
58.5	8,391,238.74	15,131.83	0.00180	0.99820	54.24
59.5	8,269,423.45	41,406.13	0.00501	0.99499	54.14
60.5	8,180,810.06	84,653.37	0.01035	0.98965	53.87
61.5	7,136,609.84	61,510.36	0.00862	0.99138	53.32
62.5	5,093,181.47	26,336.40	0.00517	0.99483	52.86
63.5	4,936,793.52	14,040.56	0.00284	0.99716	52.58
64.5	4,854,874.57	9,928.45	0.00205	0.99795	52.43
65.5	4,812,707.87	5,937.55	0.00123	0.99877	52.33
66.5	3,896,784.53	45,160.70	0.01159	0.98841	52.26
67.5	1,094,844.70	0.00	0.00000	1.00000	51.66
68.5	909,983.36	10,560.00	0.01160	0.98840	51.66
69.5	822,545.69	85,036.66	0.10338	0.89662	51.06
70.5	511,936.63	64,596.62	0.12618	0.87382	45.78
71.5	383,534.53	0.00	0.00000	1.00000	40.00
72.5	829.17	0.00	0.00000	1.00000	40.00
73.5	829.17	0.00	0.00000	1.00000	40.00
74.5	829.17	0.00	0.00000	1.00000	40.00
75.5	557.17	0.00	0.00000	1.00000	40.00
76.5	170.17	0.00	0.00000	1.00000	40.00
77.5	170.17	0.00	0.00000	1.00000	40.00
78.5	170.17	0.00	0.00000	1.00000	40.00
79.5	0.00	0.00	0.00000	1.00000	40.00

Scenario: So Cal Gas Actuarial @ 2020
Account: 368x-Compressor Station Eqt
Placement Band: 1961 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	172,066,697.17	0.00	0.00000	1.00000	100.00
0.5	149,228,410.26	462,538.01	0.00310	0.99690	100.00
1.5	114,034,477.45	0.00	0.00000	1.00000	99.69
2.5	119,920,321.54	334,299.60	0.00279	0.99721	99.69
3.5	129,048,646.91	1,242,270.32	0.00963	0.99037	99.41
4.5	128,639,598.24	746,562.24	0.00580	0.99420	98.46
5.5	107,880,256.02	490,394.50	0.00455	0.99545	97.88
6.5	106,114,501.65	624,262.60	0.00588	0.99412	97.44
7.5	85,907,251.43	180,368.43	0.00210	0.99790	96.87
8.5	83,926,270.79	0.00	0.00000	1.00000	96.66
9.5	83,119,308.08	487,055.60	0.00586	0.99414	96.66
10.5	83,773,928.17	478,041.13	0.00571	0.99429	96.10
11.5	82,211,444.24	330,820.01	0.00402	0.99598	95.55
12.5	108,194,435.08	342,952.58	0.00317	0.99683	95.16
13.5	103,355,229.74	1,508,961.61	0.01460	0.98540	94.86
14.5	103,659,634.76	890,988.42	0.00860	0.99140	93.48
15.5	94,402,246.92	291,917.98	0.00309	0.99691	92.67
16.5	100,959,042.07	832,927.02	0.00825	0.99175	92.39
17.5	90,298,162.68	228,729.31	0.00253	0.99747	91.63
18.5	73,176,209.61	392,177.05	0.00536	0.99464	91.39
19.5	68,411,226.51	373,836.62	0.00546	0.99454	90.90
20.5	66,974,787.87	390,905.26	0.00584	0.99416	90.41
21.5	69,597,106.47	566,104.01	0.00813	0.99187	89.88
22.5	71,428,870.63	1,354,675.37	0.01897	0.98103	89.15
23.5	69,110,948.32	913,600.38	0.01322	0.98678	87.46
24.5	66,395,627.78	1,176,687.43	0.01772	0.98228	86.30
25.5	62,469,893.01	1,895,554.62	0.03034	0.96966	84.77
26.5	59,816,827.43	541,933.38	0.00906	0.99094	82.20
27.5	35,020,811.68	30,647.41	0.00088	0.99912	81.46
28.5	33,535,993.11	252,848.75	0.00754	0.99246	81.38
29.5	28,744,441.83	344,556.57	0.01199	0.98801	80.77
30.5	27,210,564.23	111,023.36	0.00408	0.99592	79.80
31.5	20,930,954.20	36,979.82	0.00177	0.99823	79.47
32.5	16,533,046.96	201,541.02	0.01219	0.98781	79.33
33.5	15,320,156.18	315,027.64	0.02056	0.97944	78.37
34.5	10,909,314.77	0.00	0.00000	1.00000	76.76
35.5	10,480,706.30	33,136.00	0.00316	0.99684	76.76
36.5	9,128,129.18	0.00	0.00000	1.00000	76.51
37.5	8,447,004.39	195,515.24	0.02315	0.97685	76.51
38.5	13,900,160.97	231,610.70	0.01666	0.98334	74.74
39.5	13,689,686.74	381,070.97	0.02784	0.97216	73.50
40.5	16,080,942.27	11,083.09	0.00069	0.99931	71.45
41.5	16,548,475.04	29,549.49	0.00179	0.99821	71.40
42.5	16,542,576.02	44,012.05	0.00266	0.99734	71.27
43.5	16,434,099.04	0.00	0.00000	1.00000	71.08
44.5	16,476,320.13	108,258.36	0.00657	0.99343	71.08
45.5	16,340,947.20	45,595.65	0.00279	0.99721	70.62
46.5	12,988,223.67	206,209.61	0.01588	0.98412	70.42
47.5	12,634,156.48	20,831.86	0.00165	0.99835	69.30
48.5	12,604,301.65	634,550.22	0.05034	0.94966	69.19
49.5	11,072,346.74	28,368.51	0.00256	0.99744	65.71
50.5	10,835,153.50	25,442.48	0.00235	0.99765	65.54
51.5	9,288,835.00	9,673.13	0.00104	0.99896	65.38
52.5	7,985,707.53	0.00	0.00000	1.00000	65.32

SoCalGas
2024 GRC - APP
Observed Life Table Deprecation Workpapers

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1961 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	3,564,207.68	0.00	0.00000	1.00000	65.32
54.5	3,459,484.97	3,556.08	0.00103	0.99897	65.32
55.5	738,591.95	0.00	0.00000	1.00000	65.25
56.5	314,259.14	0.00	0.00000	1.00000	65.25
57.5	269,462.72	0.00	0.00000	1.00000	65.25
58.5	106,683.46	0.00	0.00000	1.00000	65.25
59.5	0.00	0.00	0.00000	0.00000	65.25

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	342,956,611.21	0.00	0.00000	1.00000	100.00
0.5	310,448,908.78	462,538.01	0.00149	0.99851	100.00
1.5	270,006,096.64	3,000.00	0.00001	0.99999	99.85
2.5	258,706,378.26	1,648,177.16	0.00637	0.99363	99.85
3.5	247,489,459.20	1,325,161.43	0.00535	0.99465	99.21
4.5	236,848,736.87	747,000.49	0.00315	0.99685	98.68
5.5	214,311,937.60	899,167.85	0.00420	0.99580	98.37
6.5	211,393,501.30	626,673.42	0.00296	0.99704	97.96
7.5	190,861,693.69	183,291.46	0.00096	0.99904	97.67
8.5	187,558,629.89	1,412,879.13	0.00753	0.99247	97.58
9.5	183,453,481.65	1,005,650.00	0.00548	0.99452	96.84
10.5	180,610,954.50	707,393.16	0.00392	0.99608	96.31
11.5	177,938,454.32	1,618,941.45	0.00910	0.99090	95.93
12.5	174,318,283.40	525,514.83	0.00301	0.99699	95.06
13.5	167,562,599.35	1,581,300.79	0.00944	0.99056	94.77
14.5	162,940,287.97	1,302,136.29	0.00799	0.99201	93.88
15.5	151,914,406.62	1,068,958.26	0.00704	0.99296	93.13
16.5	146,095,095.31	1,158,053.37	0.00793	0.99207	92.47
17.5	130,149,226.98	1,634,646.27	0.01256	0.98744	91.74
18.5	110,054,587.08	1,477,550.10	0.01343	0.98657	90.59
19.5	99,023,725.29	606,216.30	0.00612	0.99388	89.37
20.5	96,679,415.13	616,149.86	0.00637	0.99363	88.82
21.5	95,333,049.89	1,019,958.81	0.01070	0.98930	88.26
22.5	94,075,451.33	1,715,128.32	0.01823	0.98177	87.31
23.5	91,332,020.56	1,259,657.91	0.01379	0.98621	85.72
24.5	88,187,056.25	1,714,176.75	0.01944	0.98056	84.54
25.5	83,710,101.34	2,236,304.86	0.02671	0.97329	82.90
26.5	80,716,285.52	899,257.63	0.01114	0.98886	80.68
27.5	55,541,799.57	334,519.67	0.00602	0.99398	79.78
28.5	53,525,864.55	572,604.30	0.01070	0.98930	79.30
29.5	48,350,095.35	788,371.44	0.01631	0.98369	78.45
30.5	46,345,288.31	336,917.00	0.00727	0.99273	77.17
31.5	36,229,812.64	121,374.88	0.00335	0.99665	76.61
32.5	31,599,652.76	487,641.85	0.01543	0.98457	76.36
33.5	30,091,638.18	333,865.62	0.01109	0.98891	75.18
34.5	24,730,489.63	31,218.44	0.00126	0.99874	74.34
35.5	24,061,329.99	222,214.01	0.00924	0.99076	74.25
36.5	20,805,440.54	53,733.15	0.00258	0.99742	73.56
37.5	18,500,205.35	401,876.54	0.02172	0.97828	73.37
38.5	18,048,608.34	676,360.94	0.03747	0.96253	71.78
39.5	17,288,661.16	400,790.89	0.02318	0.97682	69.09
40.5	16,874,139.45	11,083.09	0.00066	0.99934	67.49
41.5	16,863,056.36	29,871.67	0.00177	0.99823	67.44
42.5	16,812,038.74	44,012.05	0.00262	0.99738	67.32
43.5	16,540,782.50	0.00	0.00000	1.00000	67.15
44.5	16,476,320.13	108,258.36	0.00657	0.99343	67.15
45.5	16,340,947.20	45,595.65	0.00279	0.99721	66.71
46.5	12,988,223.67	206,209.61	0.01588	0.98412	66.52
47.5	12,634,156.48	20,831.86	0.00165	0.99835	65.47
48.5	12,604,301.65	634,550.22	0.05034	0.94966	65.36
49.5	11,072,346.74	28,368.51	0.00256	0.99744	62.07
50.5	10,835,153.50	25,442.48	0.00235	0.99765	61.91
51.5	9,288,835.00	9,673.13	0.00104	0.99896	61.76
52.5	7,985,707.53	0.00	0.00000	1.00000	61.70

Observed Life Table Deprecation Workpapers

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	3,564,207.68	0.00	0.00000	1.00000	61.70
54.5	3,459,484.97	3,556.08	0.00103	0.99897	61.70
55.5	738,591.95	0.00	0.00000	1.00000	61.64
56.5	314,259.14	0.00	0.00000	1.00000	61.64
57.5	269,462.72	0.00	0.00000	1.00000	61.64
58.5	106,683.46	0.00	0.00000	1.00000	61.64
59.5	0.00	0.00	0.00000	0.00000	61.64

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	284,147,952.31	0.00	0.00000	1.00000	100.00
0.5	253,040,955.55	462,538.01	0.00183	0.99817	100.00
1.5	223,953,966.02	3,000.00	0.00001	0.99999	99.82
2.5	218,224,404.59	1,648,136.13	0.00755	0.99245	99.82
3.5	209,517,892.91	1,324,791.15	0.00632	0.99368	99.06
4.5	204,665,930.60	746,757.33	0.00365	0.99635	98.44
5.5	183,720,440.20	897,275.08	0.00488	0.99512	98.08
6.5	184,631,833.77	625,382.00	0.00339	0.99661	97.60
7.5	166,798,158.29	182,637.45	0.00109	0.99891	97.27
8.5	163,561,296.84	1,410,996.95	0.00863	0.99137	97.16
9.5	159,542,521.62	1,003,225.45	0.00629	0.99371	96.32
10.5	156,716,355.80	701,610.31	0.00448	0.99552	95.72
11.5	154,049,638.47	1,613,982.78	0.01048	0.98952	95.29
12.5	150,556,792.70	514,832.09	0.00342	0.99658	94.29
13.5	144,046,798.42	1,574,475.80	0.01093	0.98907	93.97
14.5	139,498,543.58	1,259,958.96	0.00903	0.99097	92.94
15.5	128,543,390.17	1,004,622.59	0.00782	0.99218	92.10
16.5	126,898,782.83	1,104,030.86	0.00870	0.99130	91.38
17.5	111,169,084.13	1,497,649.50	0.01347	0.98653	90.59
18.5	91,221,267.92	1,370,693.65	0.01503	0.98497	89.37
19.5	81,509,326.42	410,703.79	0.00504	0.99496	88.02
20.5	79,594,201.13	454,582.54	0.00571	0.99429	87.58
21.5	80,352,658.02	648,034.55	0.00806	0.99194	87.08
22.5	81,449,693.52	1,459,511.39	0.01792	0.98208	86.38
23.5	85,950,913.60	1,056,664.42	0.01229	0.98771	84.83
24.5	83,131,102.51	1,512,972.85	0.01820	0.98180	83.79
25.5	82,692,723.07	2,203,686.66	0.02665	0.97335	82.26
26.5	80,298,026.63	883,389.96	0.01100	0.98900	80.07
27.5	55,192,673.35	314,515.62	0.00570	0.99430	79.19
28.5	53,391,174.52	565,151.07	0.01059	0.98941	78.74
29.5	48,350,095.35	788,371.44	0.01631	0.98369	77.90
30.5	46,345,288.31	336,917.00	0.00727	0.99273	76.63
31.5	36,229,812.64	121,374.88	0.00335	0.99665	76.08
32.5	31,599,652.76	487,641.85	0.01543	0.98457	75.82
33.5	30,091,638.18	333,865.62	0.01109	0.98891	74.65
34.5	24,730,489.63	31,218.44	0.00126	0.99874	73.82
35.5	24,061,329.99	222,214.01	0.00924	0.99076	73.73
36.5	20,805,440.54	53,733.15	0.00258	0.99742	73.05
37.5	18,500,205.35	401,876.54	0.02172	0.97828	72.86
38.5	18,048,608.34	676,360.94	0.03747	0.96253	71.28
39.5	17,288,661.16	400,790.89	0.02318	0.97682	68.61
40.5	16,874,139.45	11,083.09	0.00066	0.99934	67.02
41.5	16,863,056.36	29,871.67	0.00177	0.99823	66.97
42.5	16,812,038.74	44,012.05	0.00262	0.99738	66.85
43.5	16,540,782.50	0.00	0.00000	1.00000	66.68
44.5	16,476,320.13	108,258.36	0.00657	0.99343	66.68
45.5	16,340,947.20	45,595.65	0.00279	0.99721	66.24
46.5	12,988,223.67	206,209.61	0.01588	0.98412	66.06
47.5	12,634,156.48	20,831.86	0.00165	0.99835	65.01
48.5	12,604,301.65	634,550.22	0.05034	0.94966	64.90
49.5	11,072,346.74	28,368.51	0.00256	0.99744	61.63
50.5	10,835,153.50	25,442.48	0.00235	0.99765	61.47
51.5	9,288,835.00	9,673.13	0.00104	0.99896	61.33
52.5	7,985,707.53	0.00	0.00000	1.00000	61.27

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	3,564,207.68	0.00	0.00000	1.00000	61.27
54.5	3,459,484.97	3,556.08	0.00103	0.99897	61.27
55.5	738,591.95	0.00	0.00000	1.00000	61.20
56.5	314,259.14	0.00	0.00000	1.00000	61.20
57.5	269,462.72	0.00	0.00000	1.00000	61.20
58.5	106,683.46	0.00	0.00000	1.00000	61.20
59.5	0.00	0.00	0.00000	0.00000	61.20

Scenario: So Cal Gas Actuarial @ 2020

Account: 368x-Compressor Station Eqt

Placement Band: 1991 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	284,147,952.31	0.00	0.00000	1.00000	100.00
0.5	251,640,249.88	462,538.01	0.00184	0.99816	100.00
1.5	211,197,437.74	3,000.00	0.00001	0.99999	99.82
2.5	199,897,719.36	1,648,131.51	0.00824	0.99176	99.82
3.5	188,680,845.95	1,324,762.95	0.00702	0.99298	98.99
4.5	178,040,522.10	746,671.68	0.00419	0.99581	98.30
5.5	155,504,051.64	896,909.69	0.00577	0.99423	97.89
6.5	152,587,873.50	624,356.76	0.00409	0.99591	97.32
7.5	132,058,382.55	180,368.43	0.00137	0.99863	96.92
8.5	128,758,241.78	1,406,903.09	0.01093	0.98907	96.79
9.5	124,659,069.58	998,162.02	0.00801	0.99199	95.73
10.5	121,824,030.41	640,119.73	0.00525	0.99475	94.97
11.5	119,218,803.66	1,605,957.92	0.01347	0.98653	94.47
12.5	115,611,616.27	495,446.18	0.00429	0.99571	93.19
13.5	108,209,606.96	1,508,961.61	0.01394	0.98606	92.79
14.5	103,659,634.76	890,988.42	0.00860	0.99140	91.50
15.5	93,044,901.28	291,917.98	0.00314	0.99686	90.71
16.5	88,002,630.25	789,748.96	0.00897	0.99103	90.43
17.5	72,425,066.33	173,935.04	0.00240	0.99760	89.62
18.5	53,791,137.66	207,918.83	0.00387	0.99613	89.40
19.5	44,029,907.14	312,774.47	0.00710	0.99290	89.06
20.5	41,979,038.81	5,577.51	0.00013	0.99987	88.42
21.5	41,243,245.92	238,767.72	0.00579	0.99421	88.41
22.5	40,766,838.45	229,788.84	0.00564	0.99436	87.90
23.5	39,508,747.16	605,422.20	0.01532	0.98468	87.41
24.5	37,018,018.56	1,049,084.06	0.02834	0.97166	86.07
25.5	33,206,156.34	1,447,848.83	0.04360	0.95640	83.63
26.5	31,000,796.55	440,987.98	0.01423	0.98577	79.98
27.5	6,284,580.25	0.00	0.00000	1.00000	78.84
28.5	4,603,164.90	0.00	0.00000	1.00000	78.84
29.5	0.00	0.00	0.00000	0.00000	78.84

Actuarial Life Analysis

Account: 368x-Compressor Station Eqt
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1937 - 1951
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -1951	14.5	62.11	0.01819283	L3	16.16
1948 -1952	15.5	64.42	0.02155193	S2.5	16.62
1949 -1953	16.5	48.69	0.01840090	L4	17.62
1950 -1954	17.5	34.79	0.02148058	L4	16.97
1951 -1955	18.5	30.75	0.02108168	L4	16.89
1952 -1956	19.5	28.66	0.02295255	L4	17.18
1953 -1957	20.5	28.47	0.03796274	L4	17.74
1954 -1958	21.5	10.08	0.03260907	S2.5	17.37
1955 -1959	22.5	2.85	0.03264232	S3	16.47
1956 -1960	23.5	1.74	0.03909540	R4	16.45
1957 -1961	24.5	2.20	0.04111933	R4	17.30
1958 -1962	25.5	2.73	0.05047715	R4	18.02
1959 -1963	26.5	14.51	0.04832571	R4	20.85
1960 -1964	27.5	23.74	0.00551885	S3	23.38
1961 -1965	28.5	6.66	0.03341215	L4	20.85
1962 -1966	29.5	5.72	0.02249785	S3	21.67
1963 -1967	30.5	0.74	0.02362660	S4	19.18
1964 -1968	31.5	0.35	0.00926778	L4	19.39
1965 -1969	32.5	0.17	0.01119719	L4	19.22
1966 -1970	33.5	1.02	0.03335830	S3	21.06
1967 -1971	34.5	0.38	0.01486496	L4	20.07
1968 -1972	35.5	3.64	0.02404248	S2.5	23.49
1969 -1973	36.5	8.95	0.03216152	S2.5	25.62
1970 -1974	37.5	32.04	0.05132898	S2	31.68
1971 -1975	38.5	35.35	0.05938947	S1.5	33.28
1972 -1976	39.5	89.28	0.00061162	S2	63.03
1973 -1977	40.5	91.62	0.00040765	L2.5	75.02
1974 -1978	41.5	91.92	0.00037028	S1.5	81.64
1975 -1979	42.5	96.33	0.00008663	L2.5	101.11
1976 -1980	43.5	91.90	0.00112422	S1.5	84.94
1977 -1981	44.5	94.39	0.00031639	S1.5	98.53
1978 -1982	45.5	95.23	0.00028439	L2	112.67
1979 -1983	46.5	93.17	0.00087258	S1	108.35
1980 -1984	47.5	83.82	0.00513835	S1	77.92
1981 -1985	48.5	63.85	0.02197097	L2	56.78
1982 -1986	49.5	61.37	0.02808994	S1	53.86
1983 -1987	50.5	57.34	0.04135013	S1	51.02
1984 -1988	51.5	62.96	0.05406566	L1.5	59.44
1985 -1989	52.5	44.38	0.07296182	L2	46.17
1986 -1990	53.5	42.56	0.07638920	L2	45.90
1987 -1991	54.5	50.51	0.08449882	L1.5	52.13
1988 -1992	55.5	43.94	0.10068367	L1.5	48.66
1989 -1993	56.5	38.73	0.15042595	L1.5	45.16
1990 -1994	57.5	49.89	0.12294999	L1.5	54.77

Actuarial Life Analysis

Account: 368x-Compressor Station Eqt
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1937 - 1995
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum of Squares	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1991 -1995	58.5	62.10	0.07663959	L1	66.91
1992 -1996	59.5	52.24	0.13123959	L1	57.32
1993 -1997	60.5	62.06	0.10051573	L1	67.55
1994 -1998	61.5	66.57	0.09237147	L1	73.47
1995 -1999	62.5	66.98	0.04827848	L0.5	84.87
1996 -2000	63.5	74.32	0.05328264	L0	108.97
1997 -2001	64.5	83.70	0.01701132	L0	154.90
1998 -2002	65.5	71.85	0.64595765	R0.5	64.23
1999 -2003	66.5	71.73	0.93329434	R0.5	62.59
2000 -2004	67.5	17.00	0.33436533	R0.5	41.07
2001 -2005	68.5	15.21	0.14397579	L0	40.03
2002 -2006	69.5	20.78	0.15798800	L0	42.88
2003 -2007	70.5	0.00	0.17373770	S0	36.43
2004 -2008	71.5	0.00	0.14913611	L0.5	34.43
2005 -2009	72.5	0.00	0.42509338	R1.5	55.29
2006 -2010	73.5	0.00	0.53862197	S0	55.32
2007 -2011	74.5	2.31	0.53119987	R1.5	55.00
2008 -2012	75.5	83.42	0.07865242	R0.5	140.46
2009 -2013	76.5	82.46	0.04456642	R0.5	151.06
2010 -2014	77.5	82.69	0.03636864	R0.5	153.75
2011 -2015	78.5	84.55	0.02101052	R0.5	174.22
2012 -2016	79.5	70.31	0.06516737	R0.5	97.33
2013 -2017	80.5	61.16	0.14838709	R0.5	76.75
2014 -2018	81.5	62.06	0.15499764	R0.5	79.51
2015 -2019	82.5	42.32	0.14756992	L0	72.59
2016 -2020	83.5	44.32	0.21685549	L0	71.43

Actuarial Life Analysis

Account: 368x-Compressor Station Eqt
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1937 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

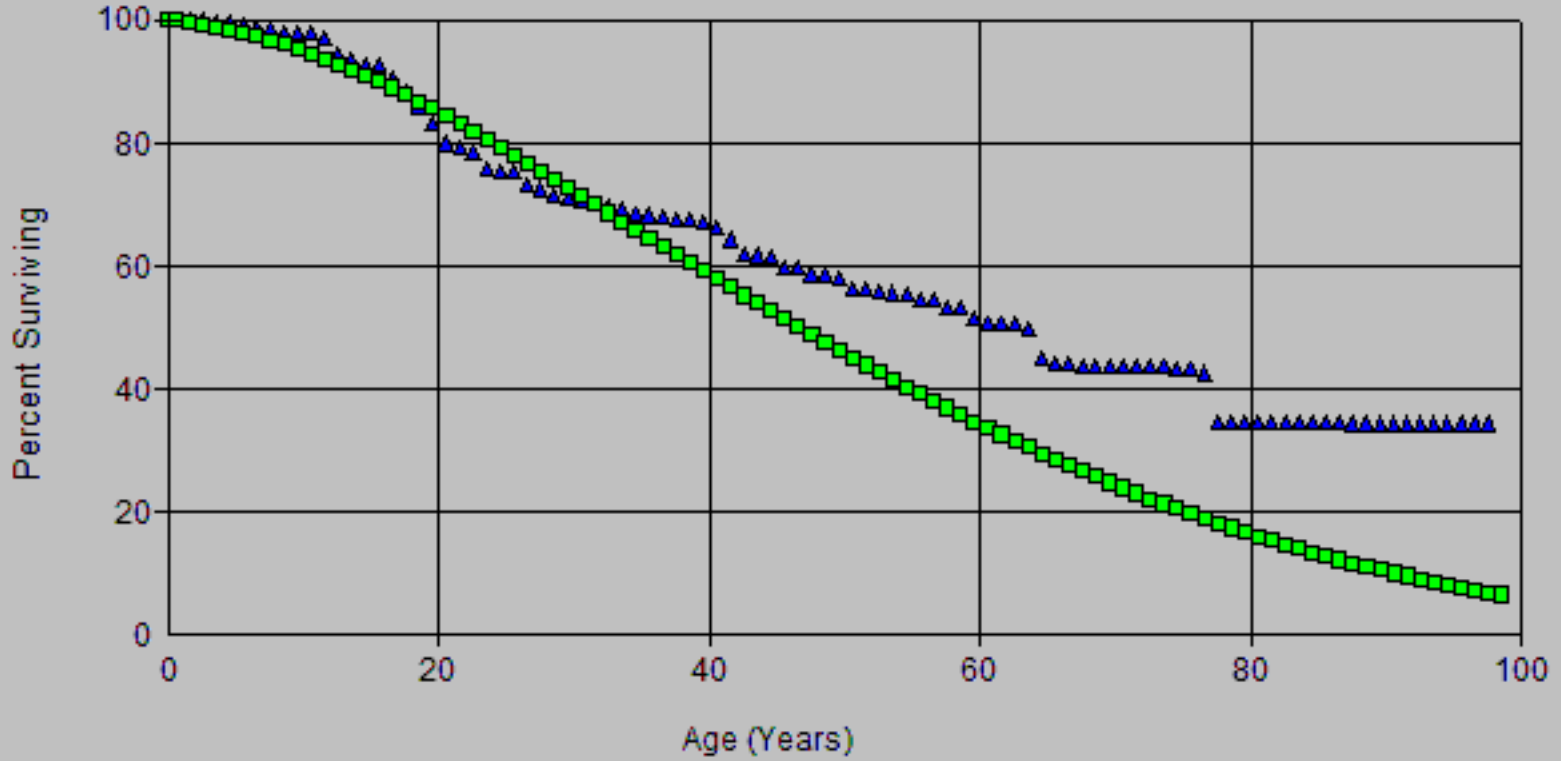
Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -2020	83.5	35.40	0.10639878	L0	61.48
1952 -2020	83.5	35.83	0.09348648	L0	62.58
1957 -2020	83.5	36.42	0.07642714	L0	63.88
1962 -2020	83.5	37.07	0.06227484	L0	65.21
1967 -2020	83.5	37.46	0.05501025	L0	66.09
1972 -2020	83.5	39.17	0.03559755	L0	70.13
1977 -2020	83.5	38.89	0.03666911	L0	69.45
1982 -2020	83.5	38.35	0.04110572	L0	68.16
1987 -2020	83.5	38.45	0.04059192	L0	68.15
1992 -2020	83.5	39.61	0.03496504	L0	69.97
1997 -2020	83.5	40.83	0.03693402	L0	71.58
2002 -2020	83.5	39.00	0.04543734	L0	68.00
2007 -2020	83.5	45.50	0.05423431	L0	78.30
2012 -2020	83.5	51.41	0.08509643	R0.5	77.43
2017 -2020	83.5	48.39	0.31969946	L0	76.24

SoCalGas
 2024 GRC - APP
 Depreciation Worksheets

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 50.00

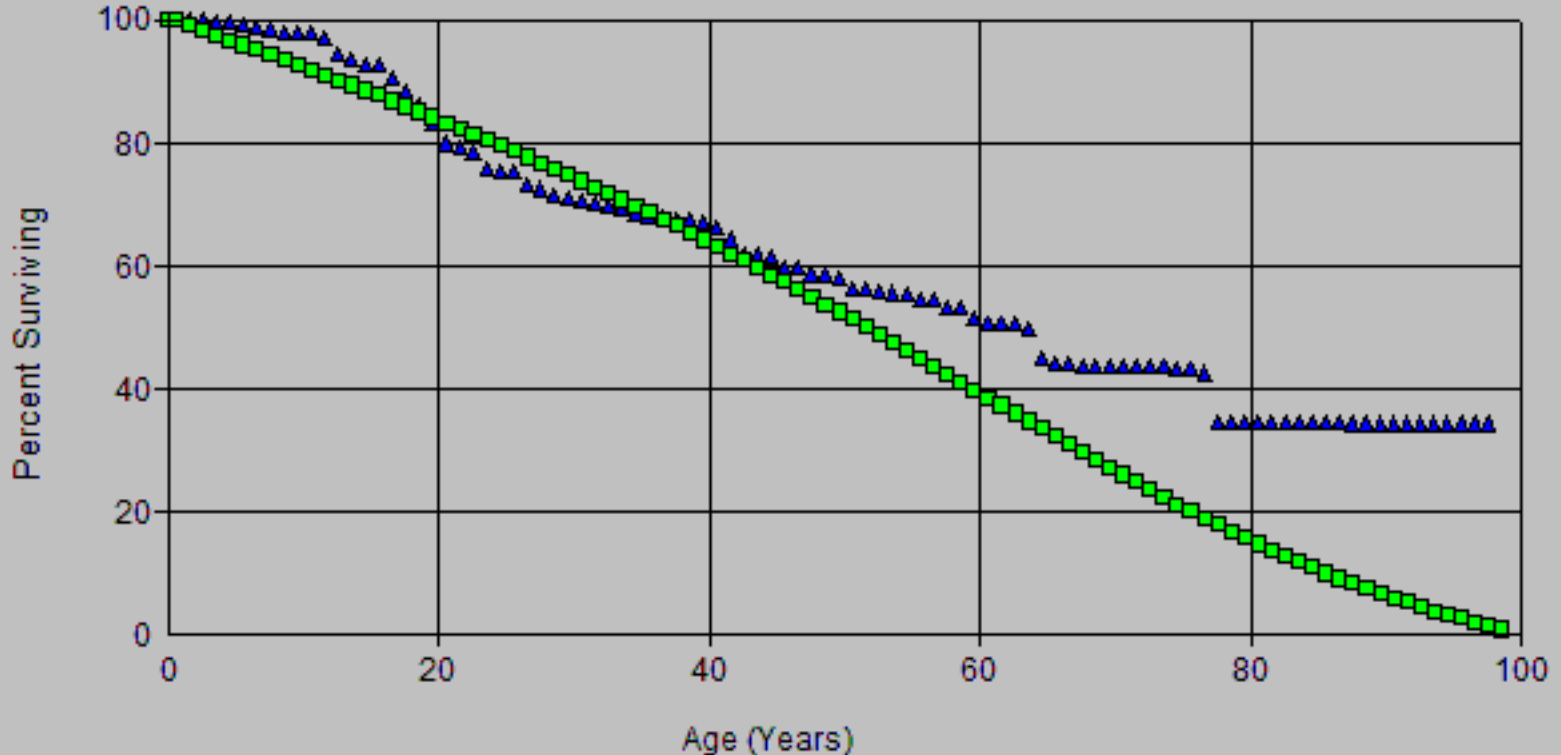


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 50.00

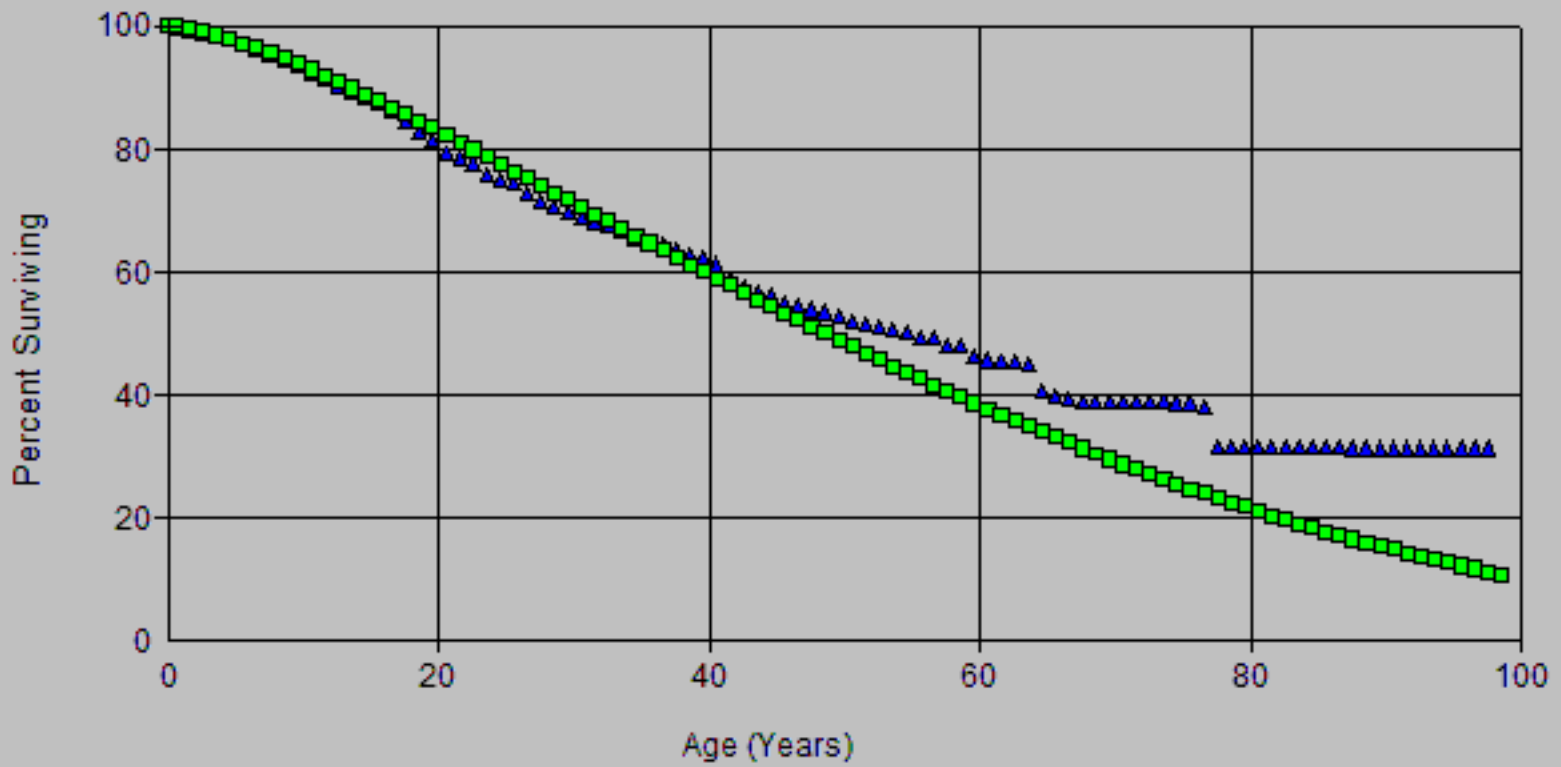


SoCalGas
2024 GRC - APP
Deprecation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 53.00

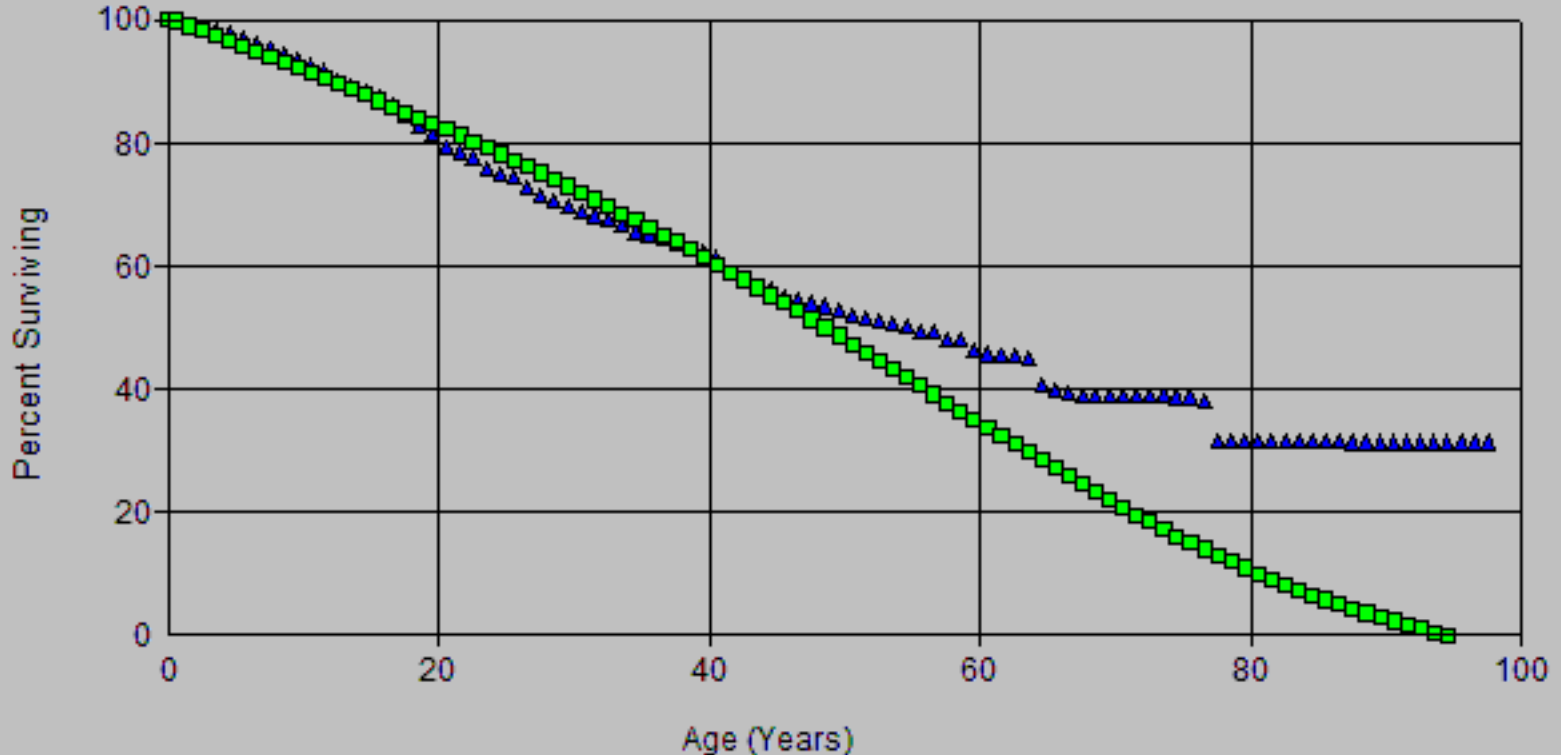


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 47.00

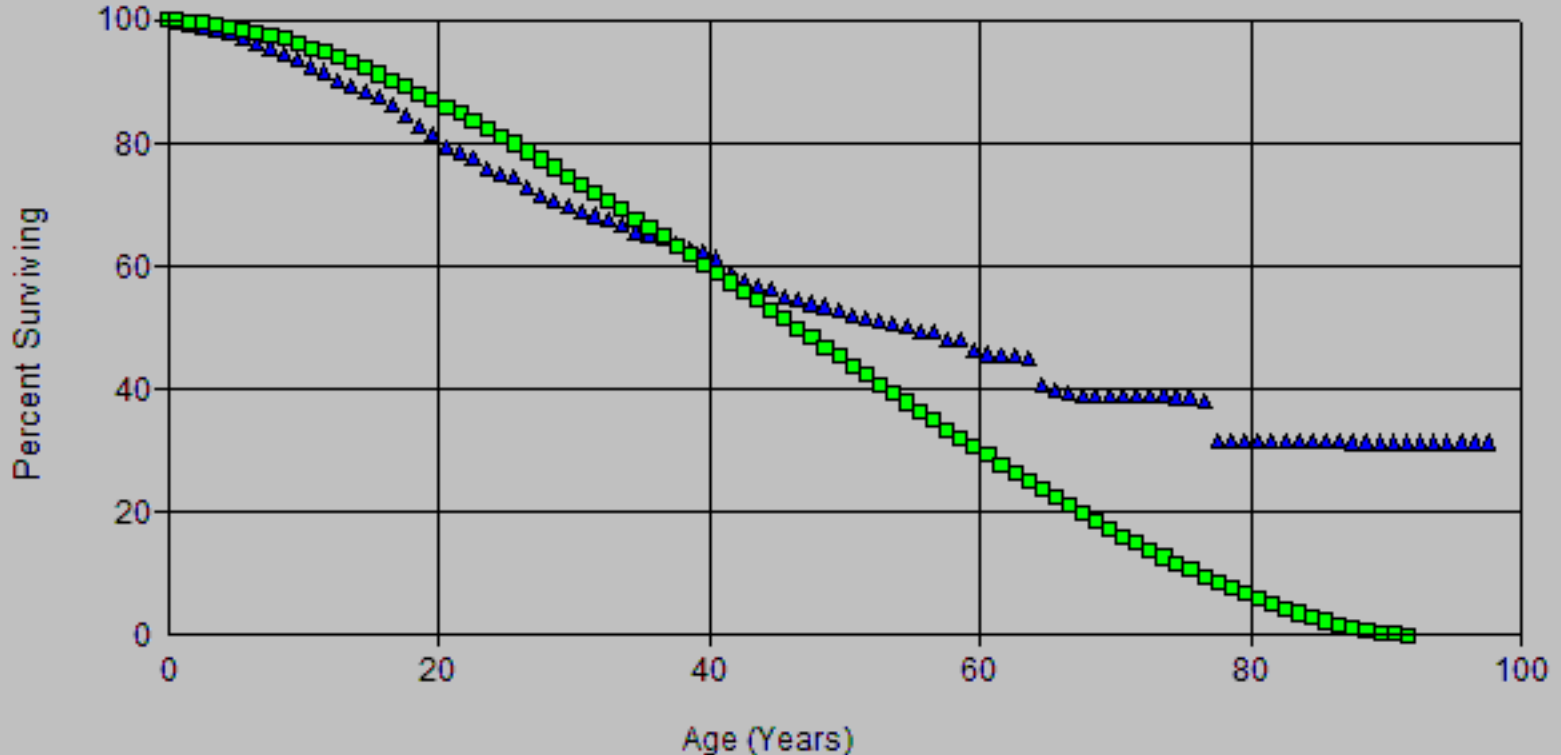


SoCalGas
 2024 GRC - APP
 Depreciation Worksheets

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ S0 46.00

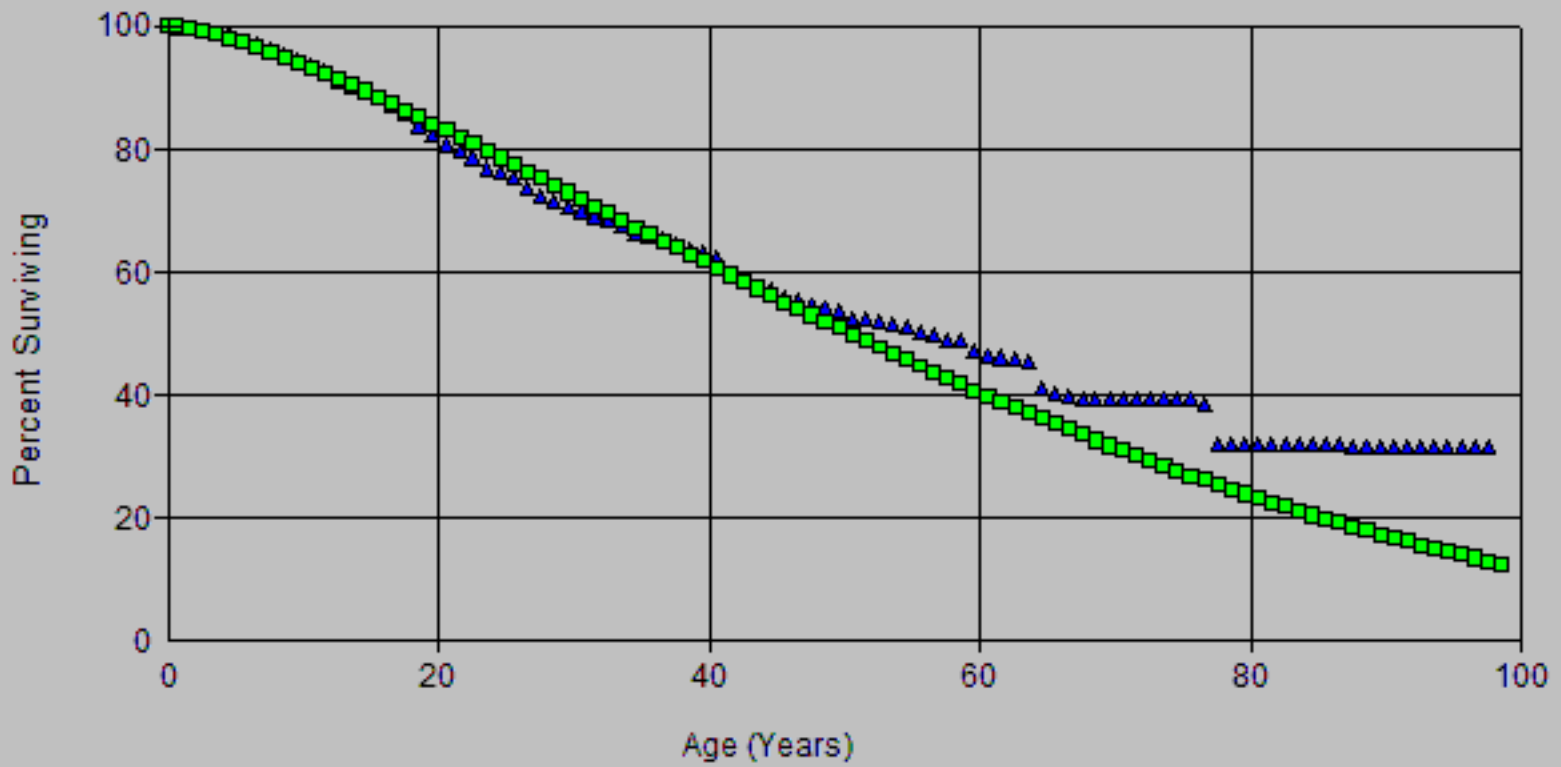


SoCalGas
2024 GRC - APP
Deprecation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 55.00

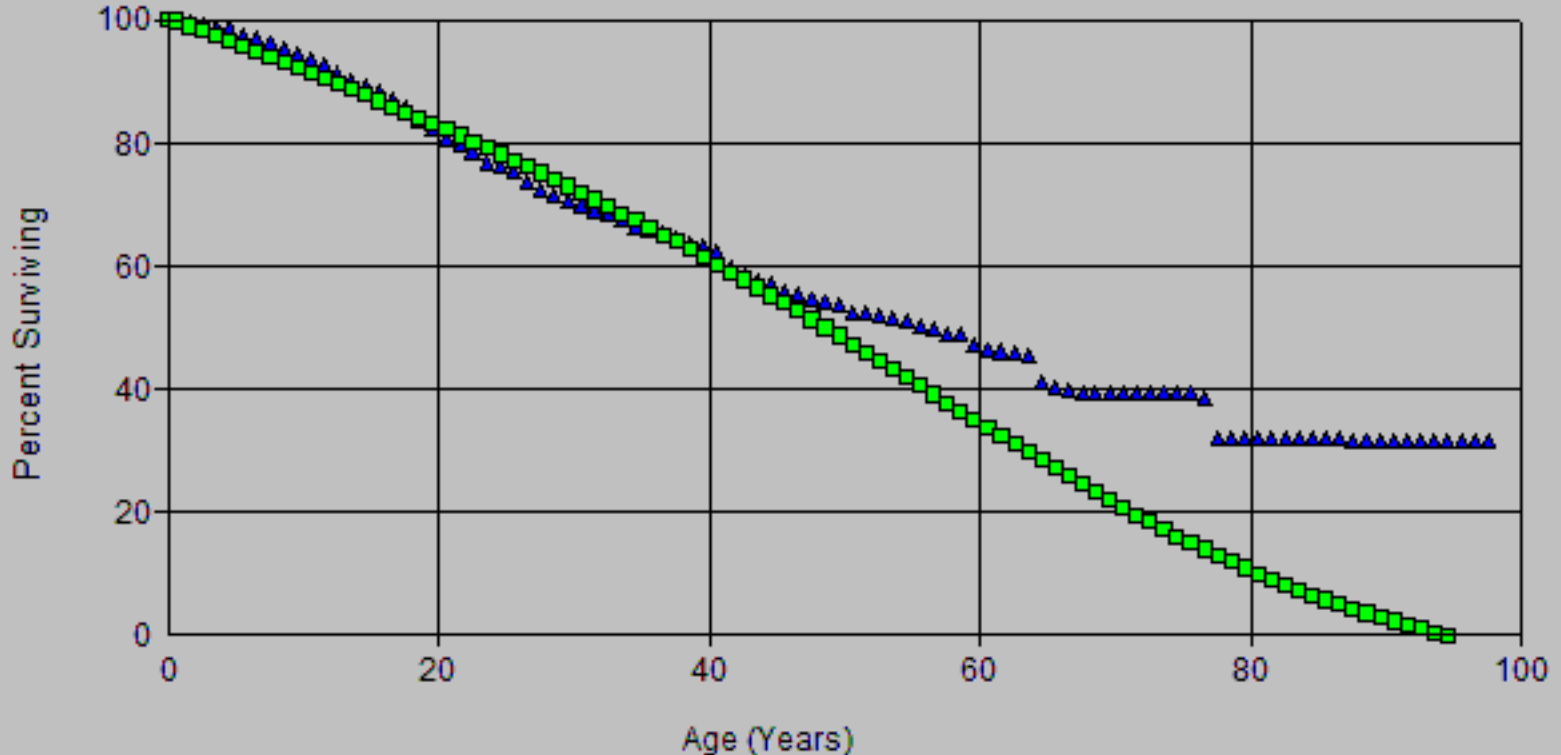


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 47.00

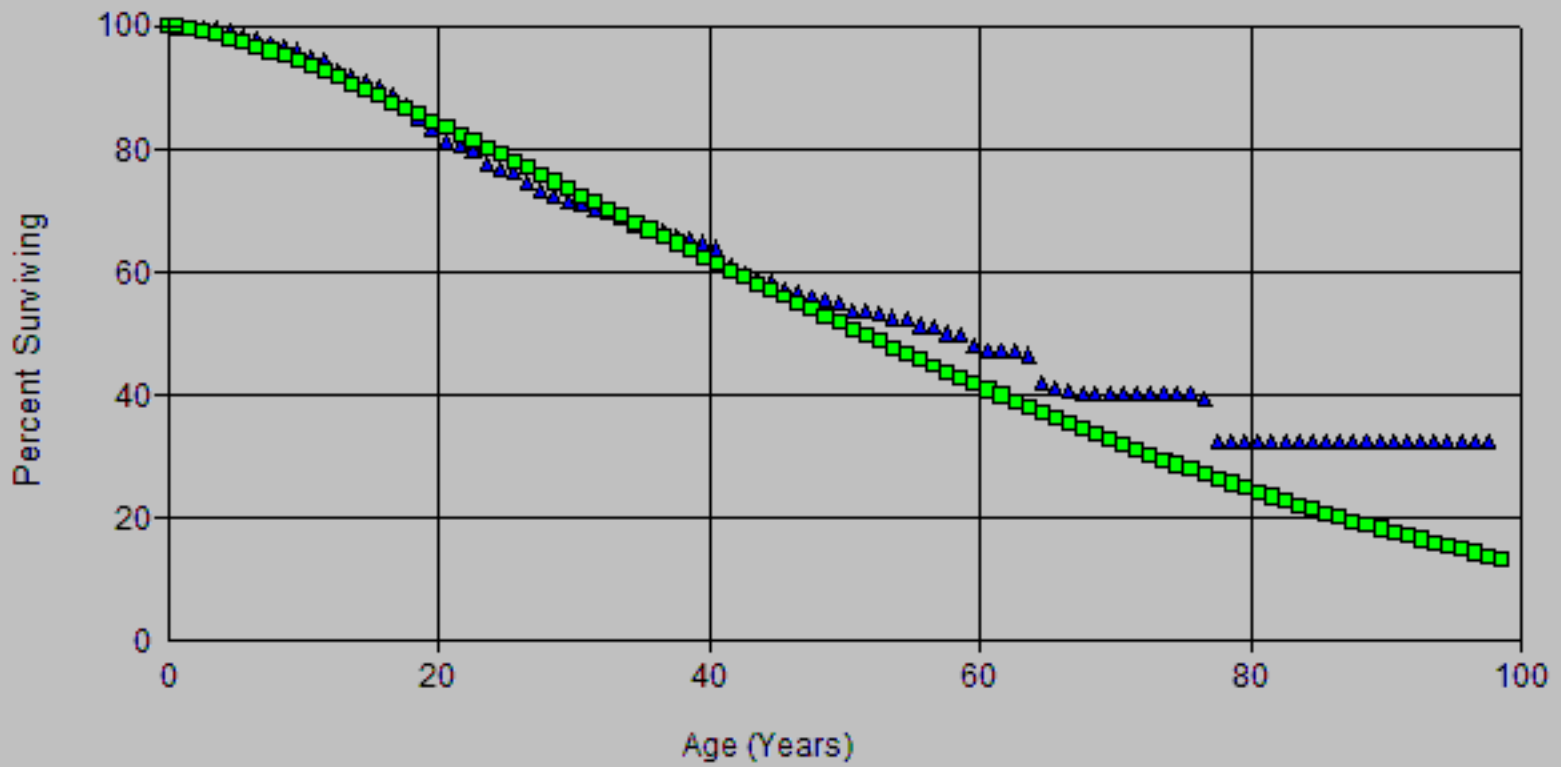


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 56.00

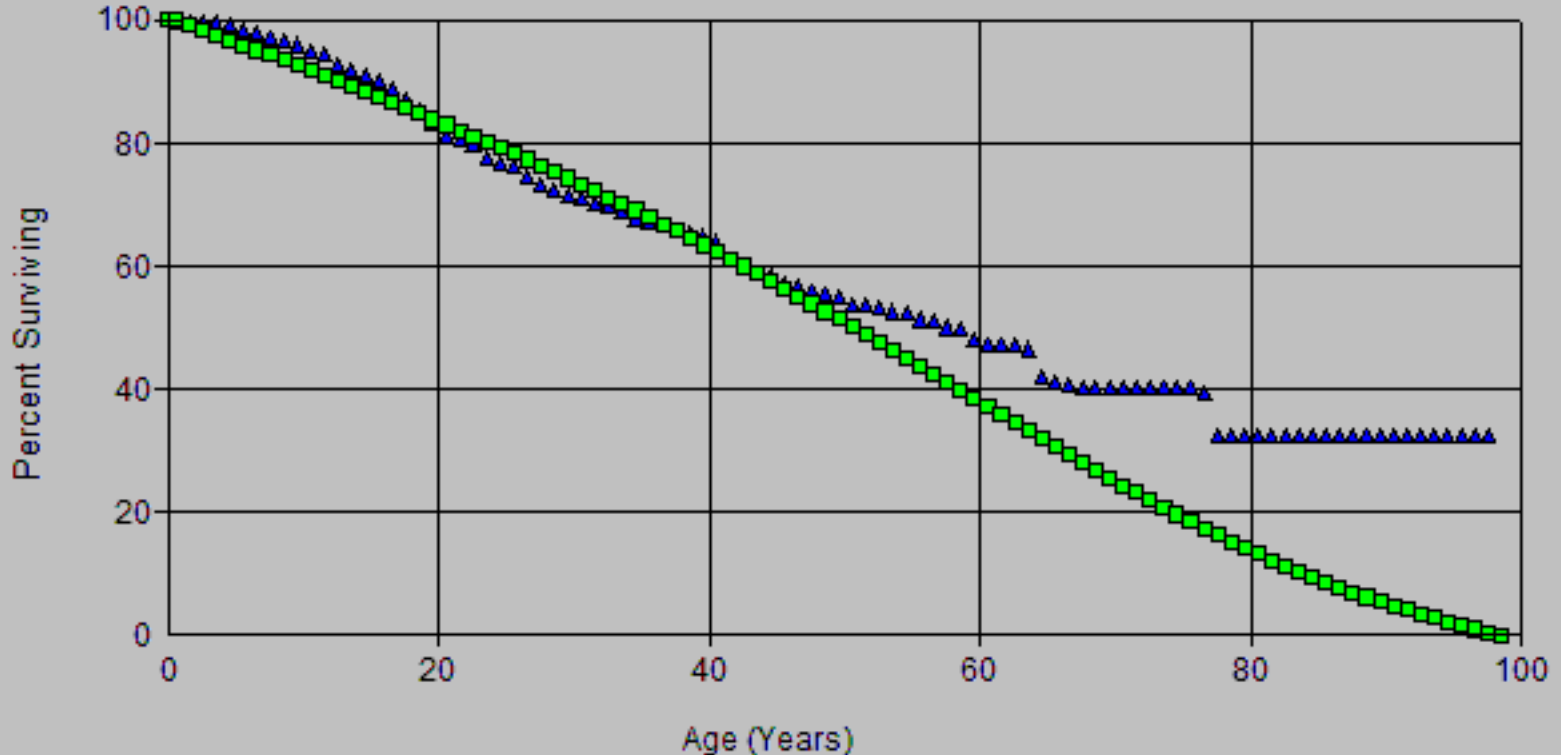


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 49.00

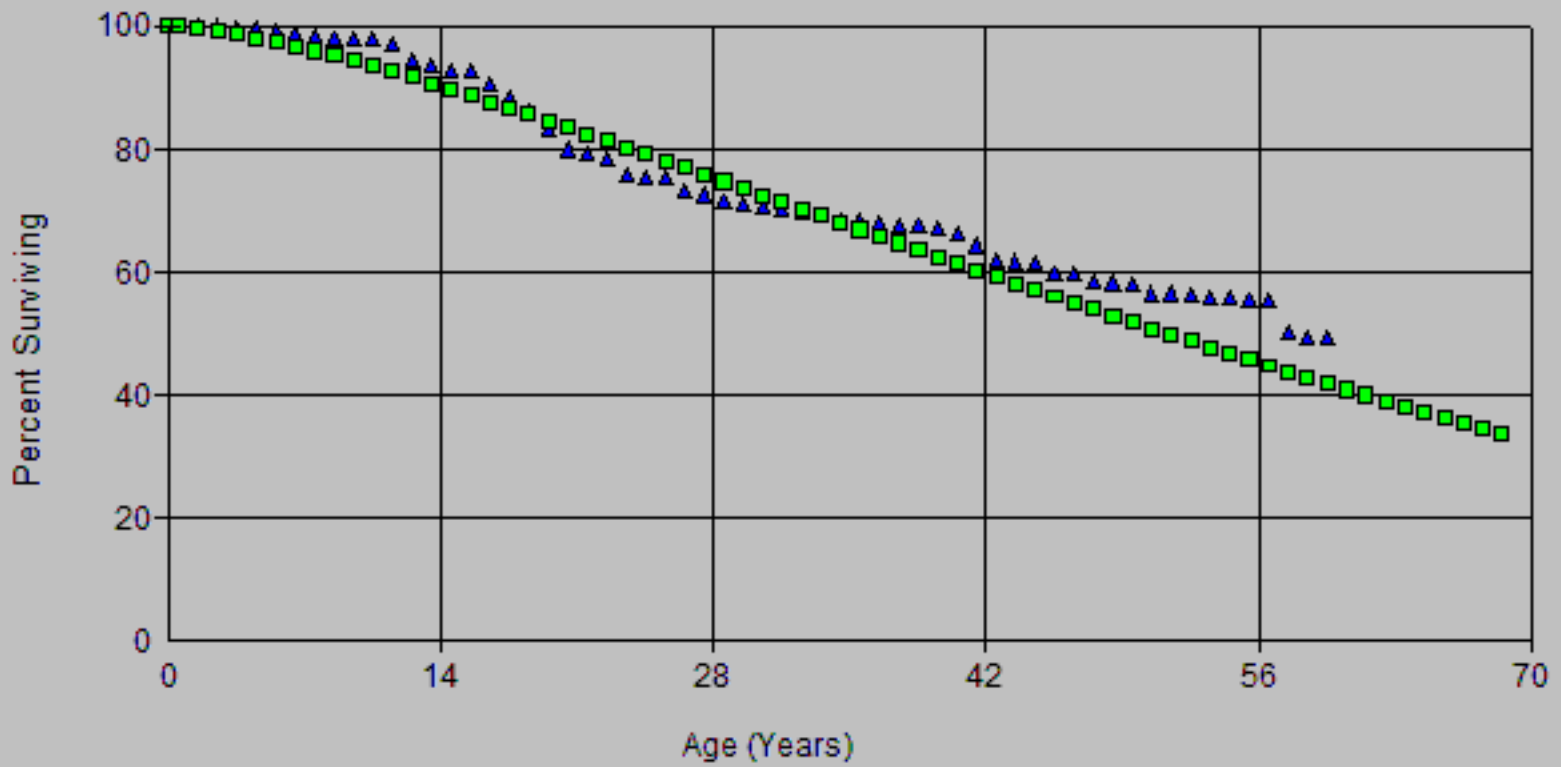


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 56.00

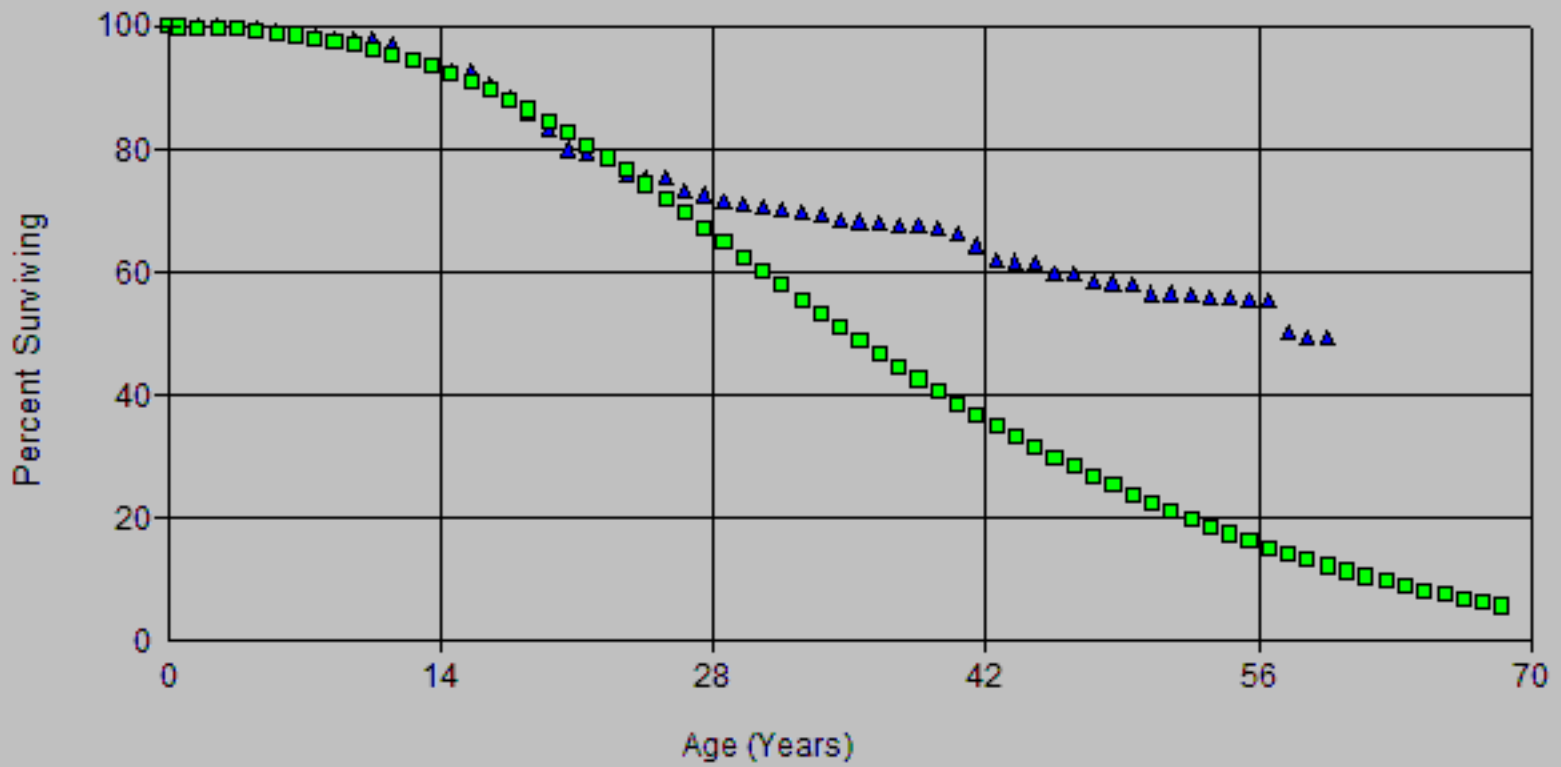


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L1.5 37.00

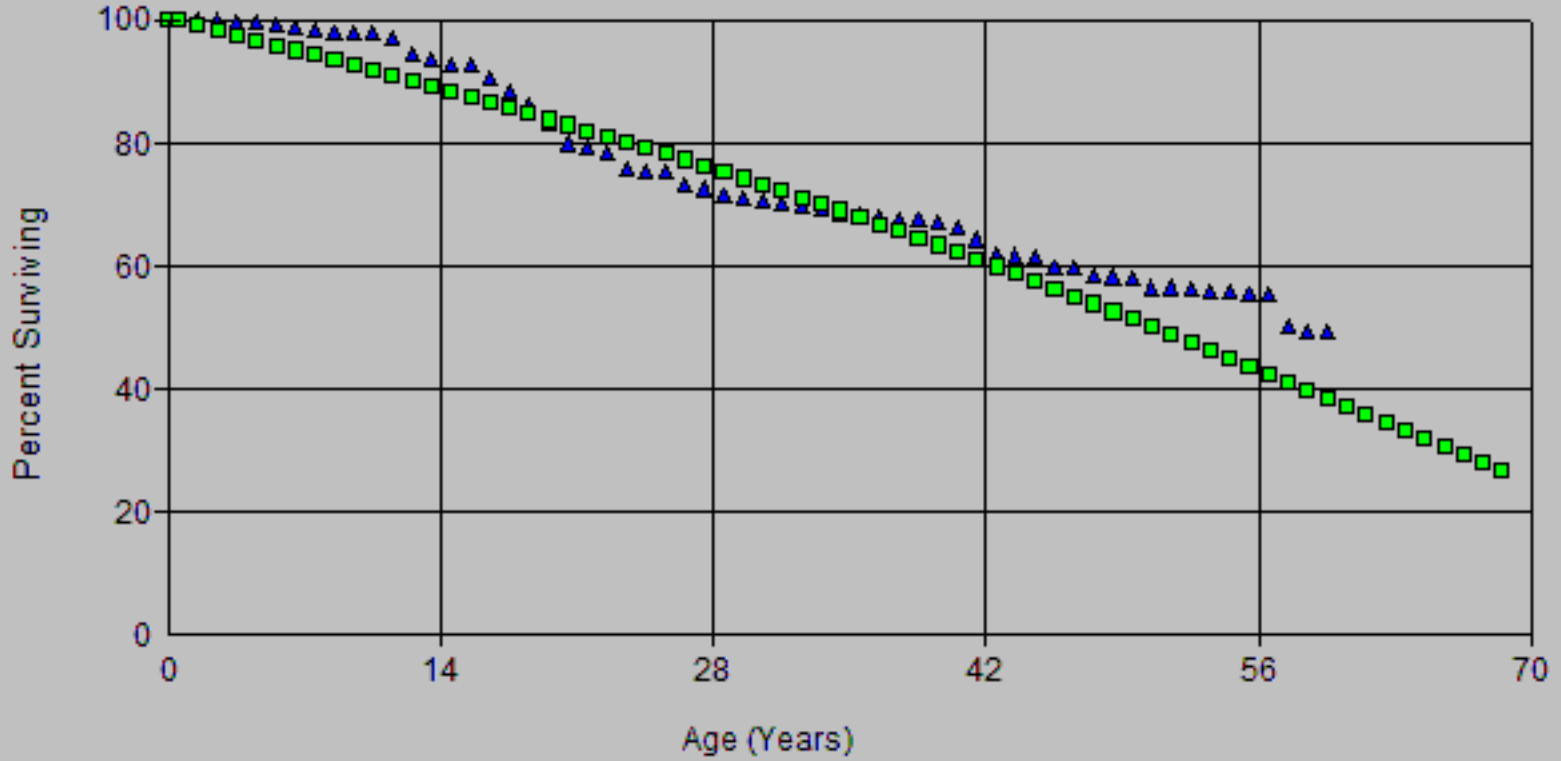


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 49.00

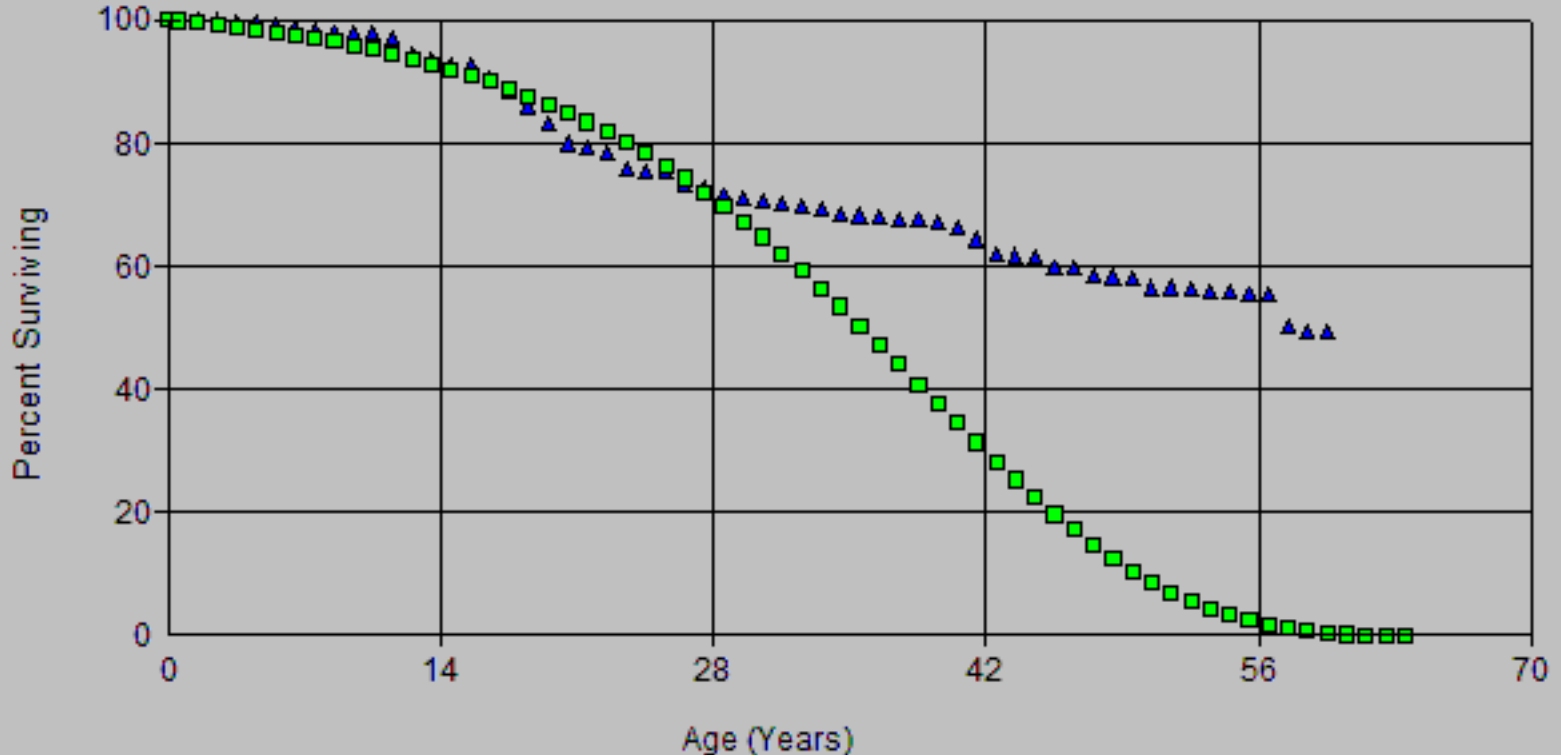


SoCalGas
 2024 GRC - APP
 Depreciation Worksheets

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2 34.00

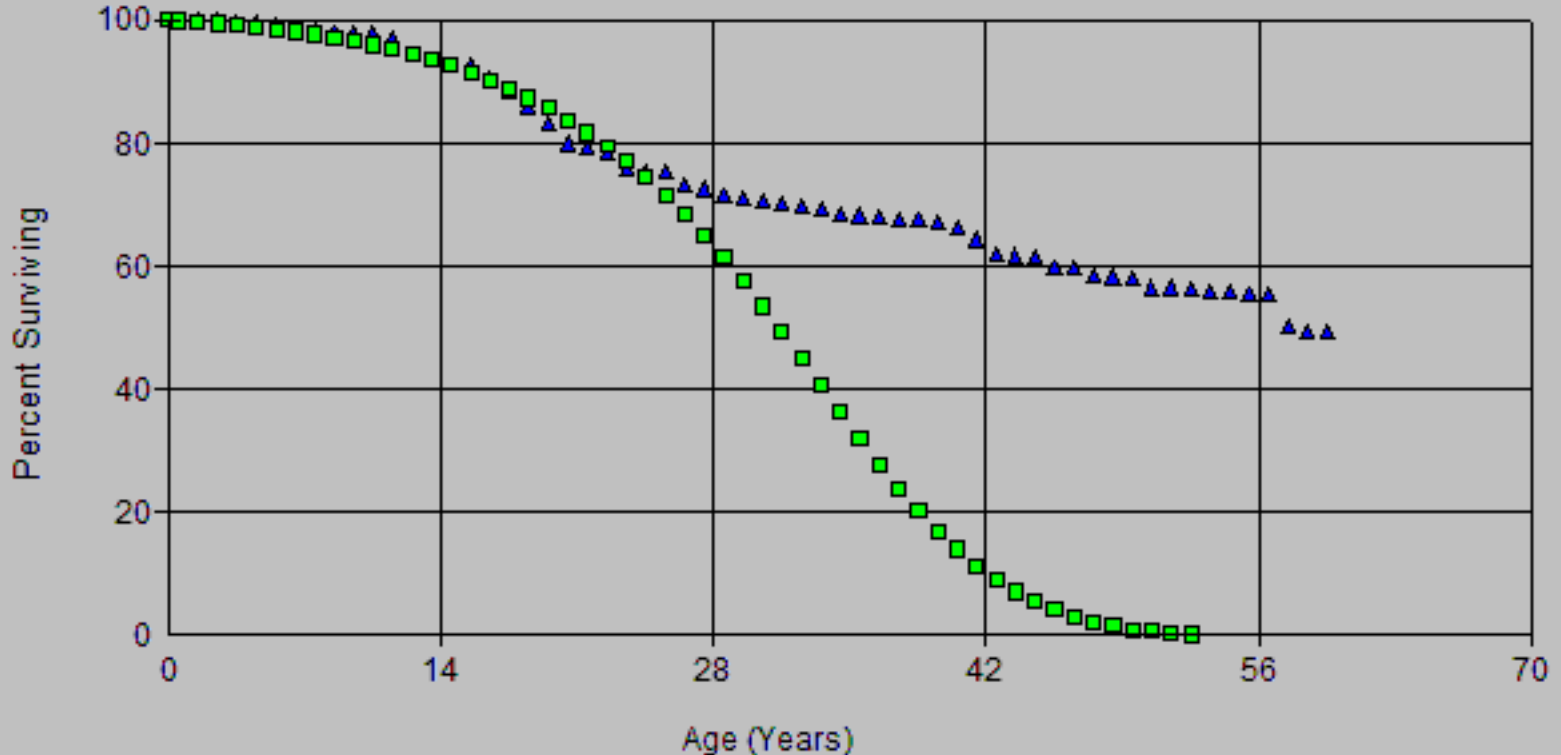


SoCalGas
2024 GRC - APP
Depreciation Worksheets

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R2.5 30.00

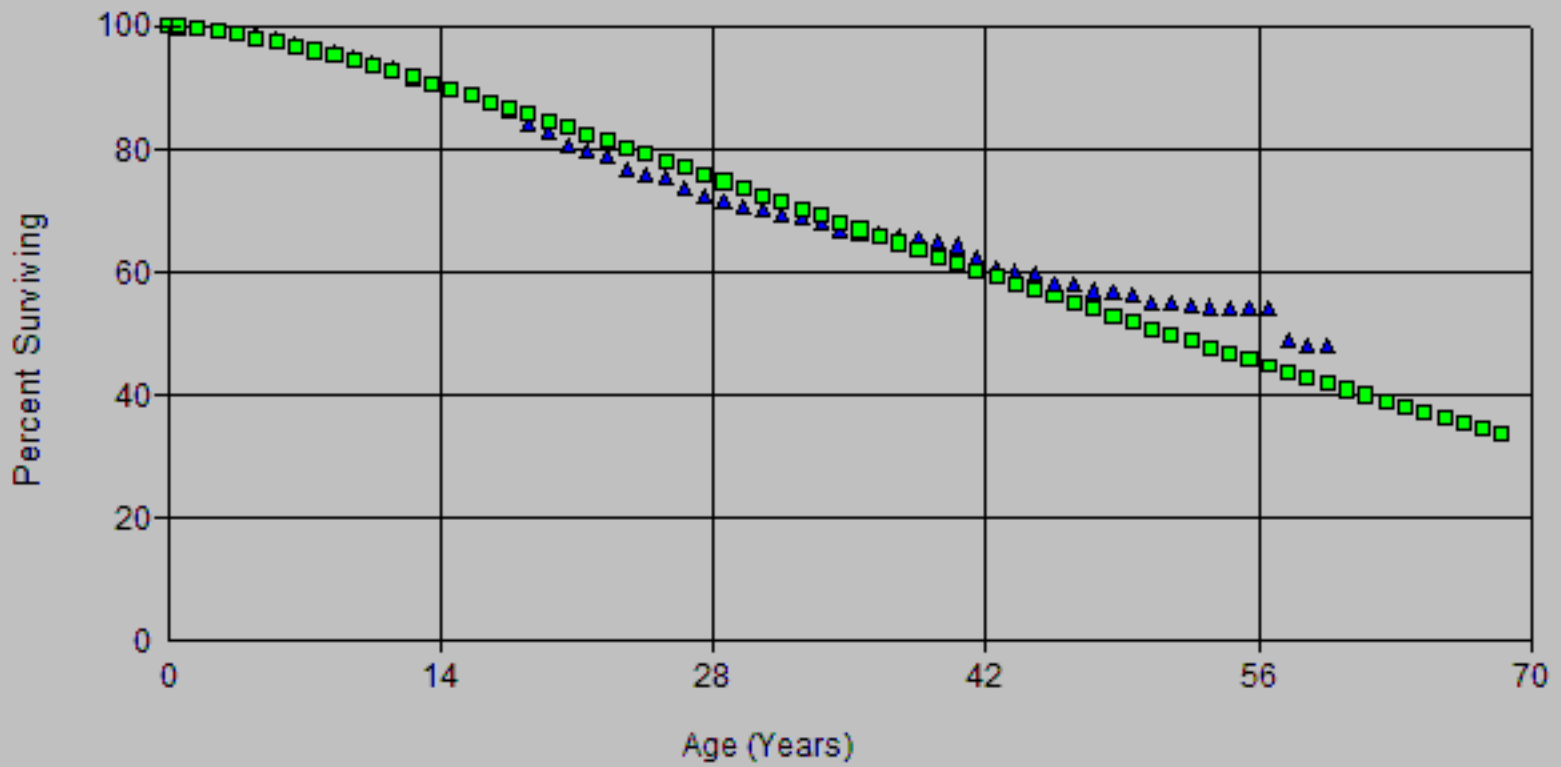


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 56.00

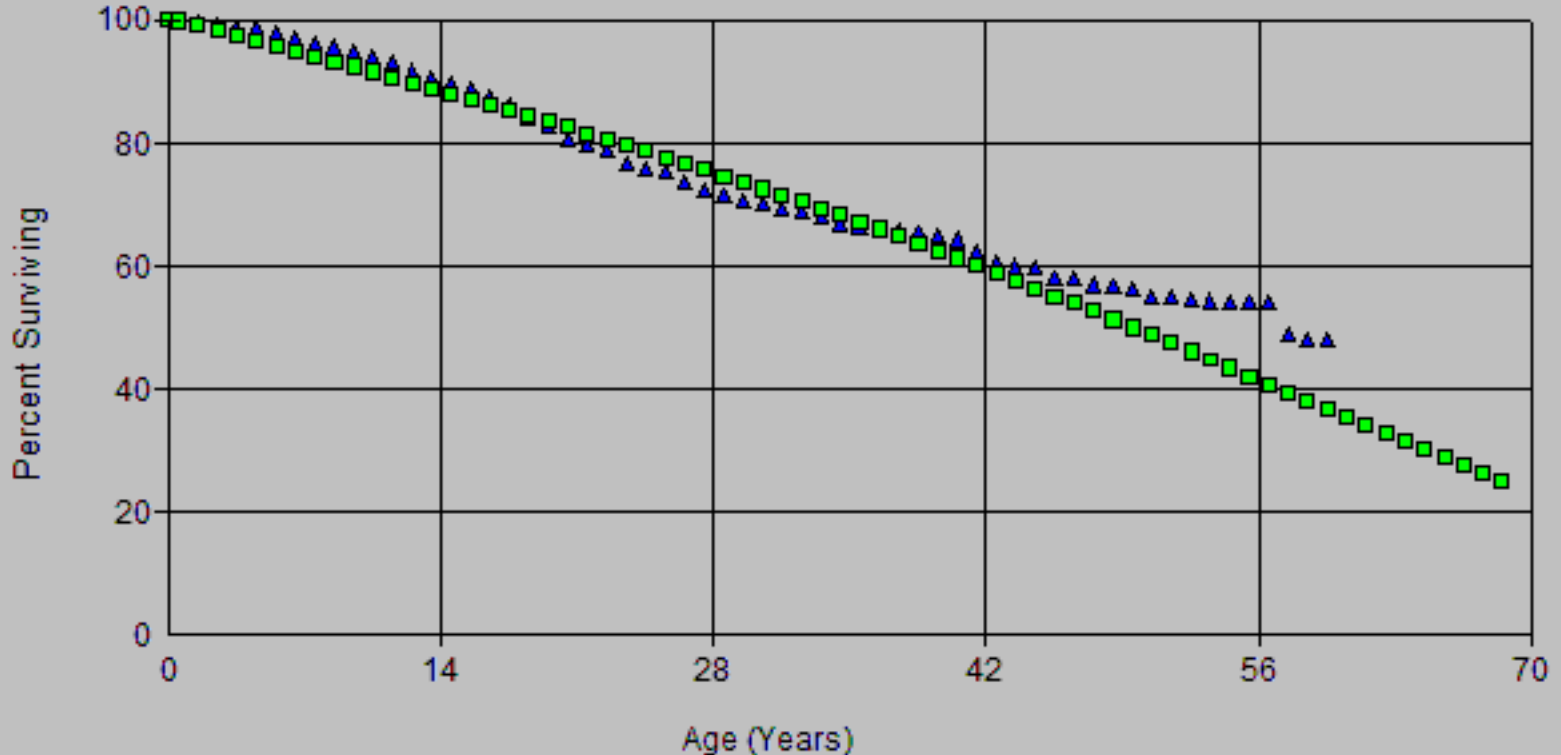


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 48.00

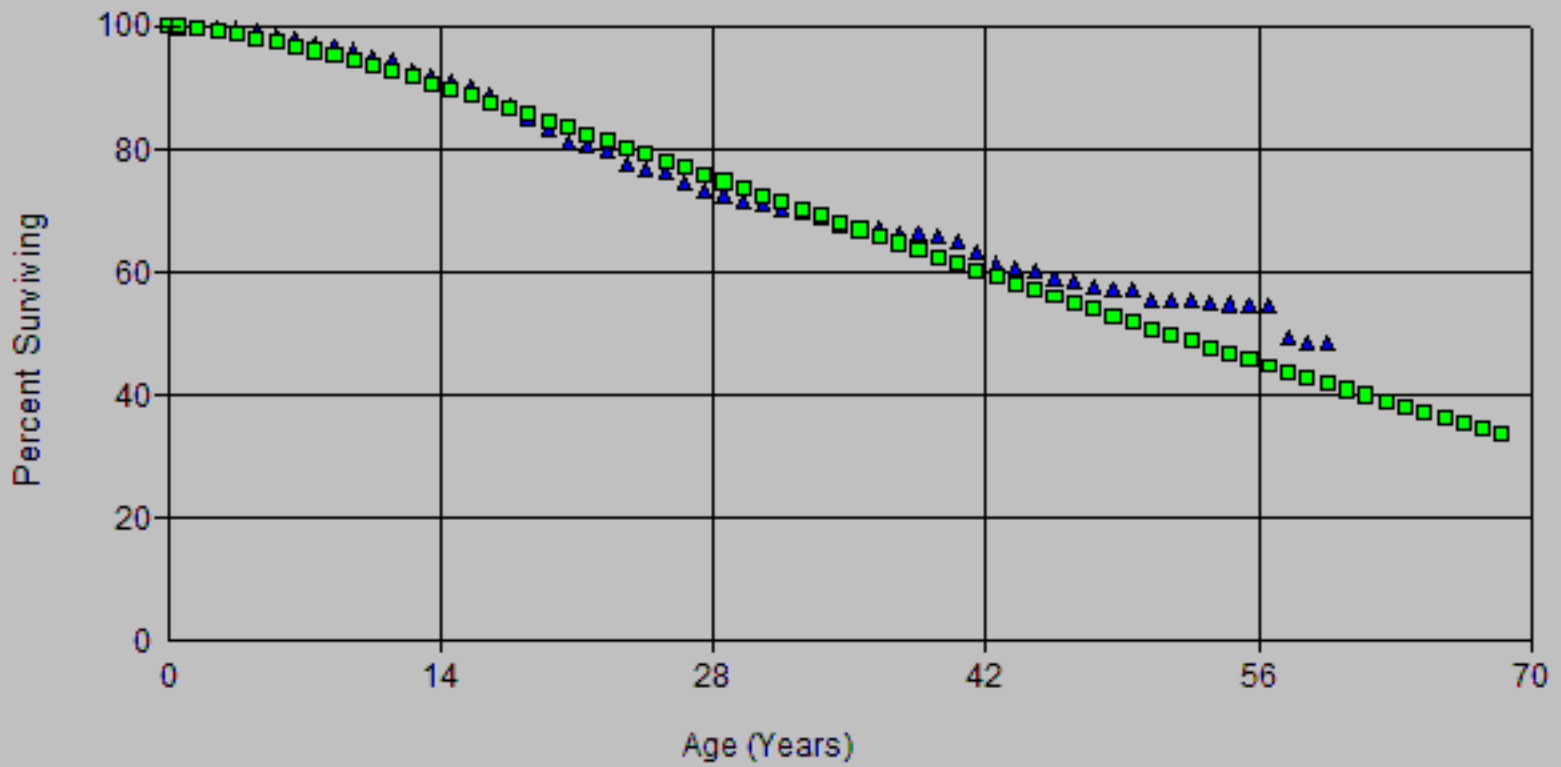


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ L0 56.00

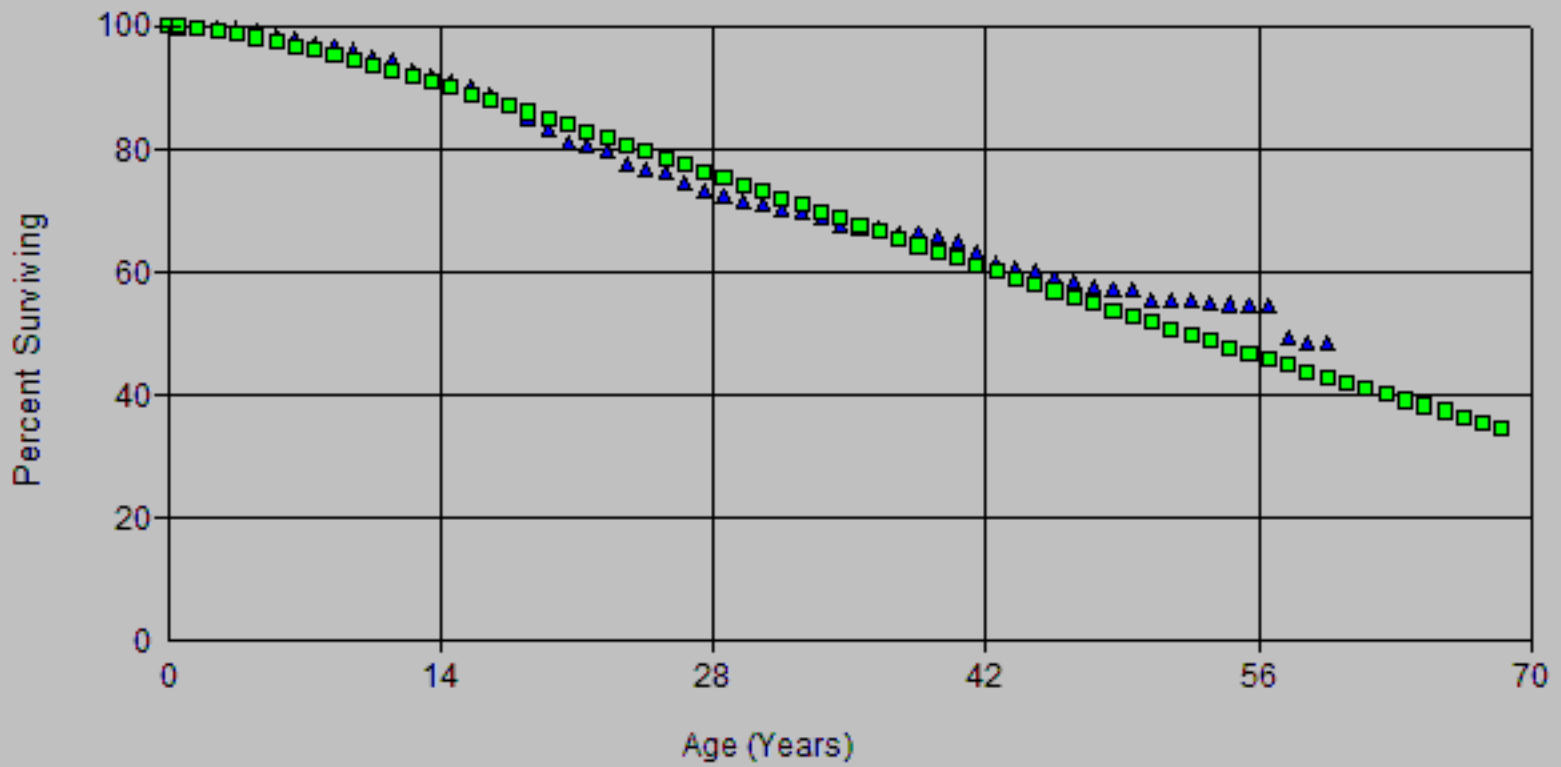


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

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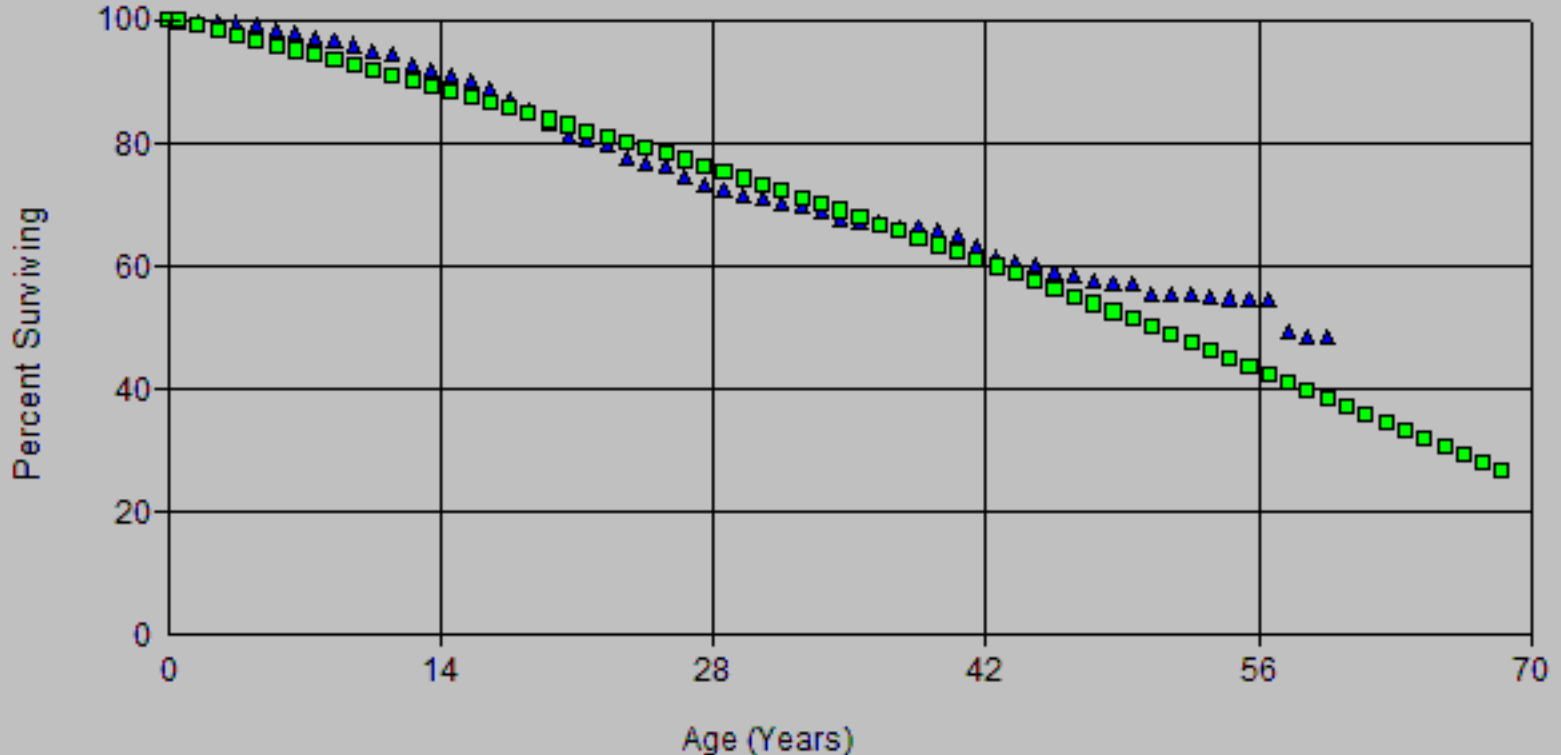


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R0.5 49.00

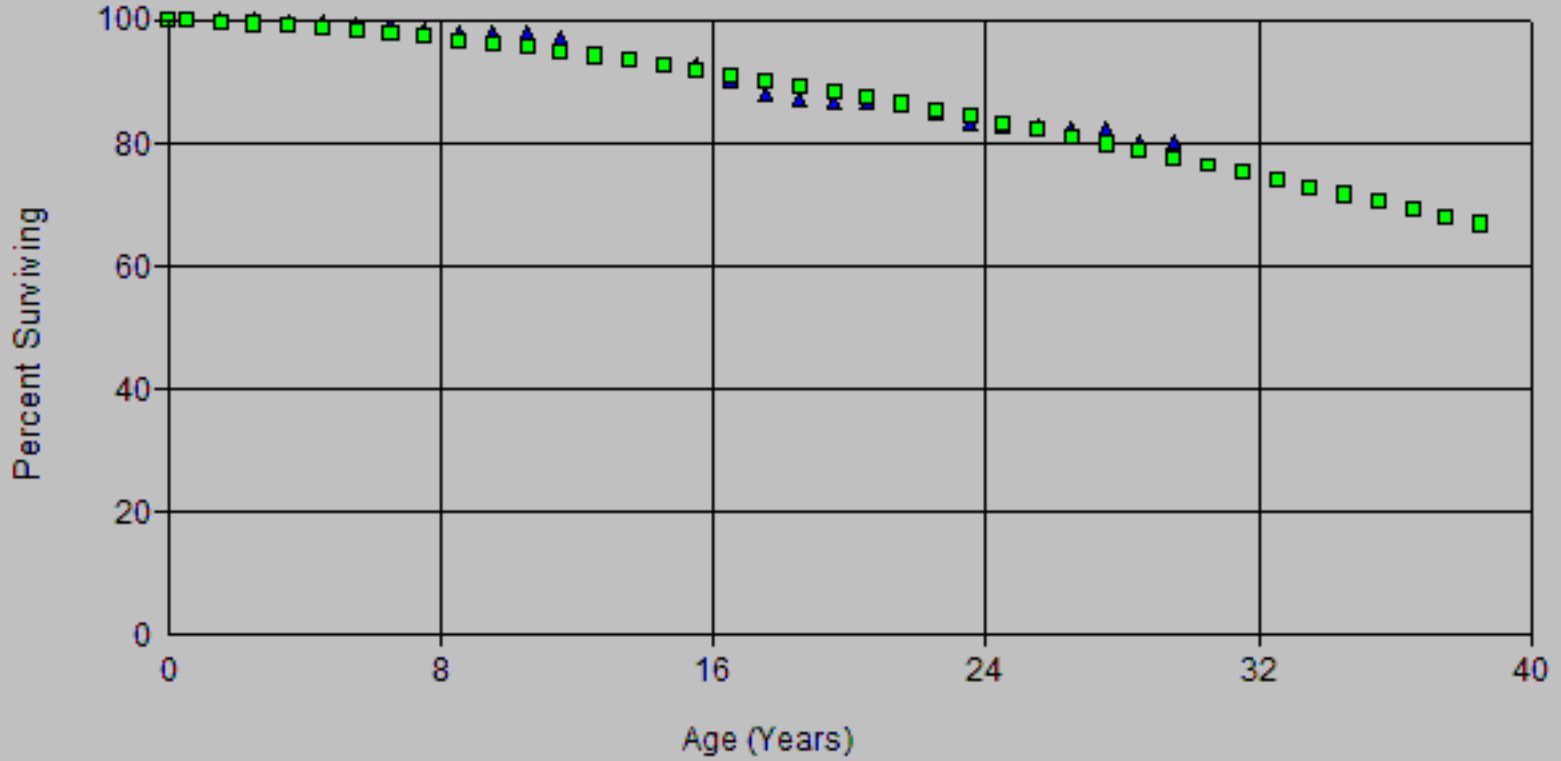


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

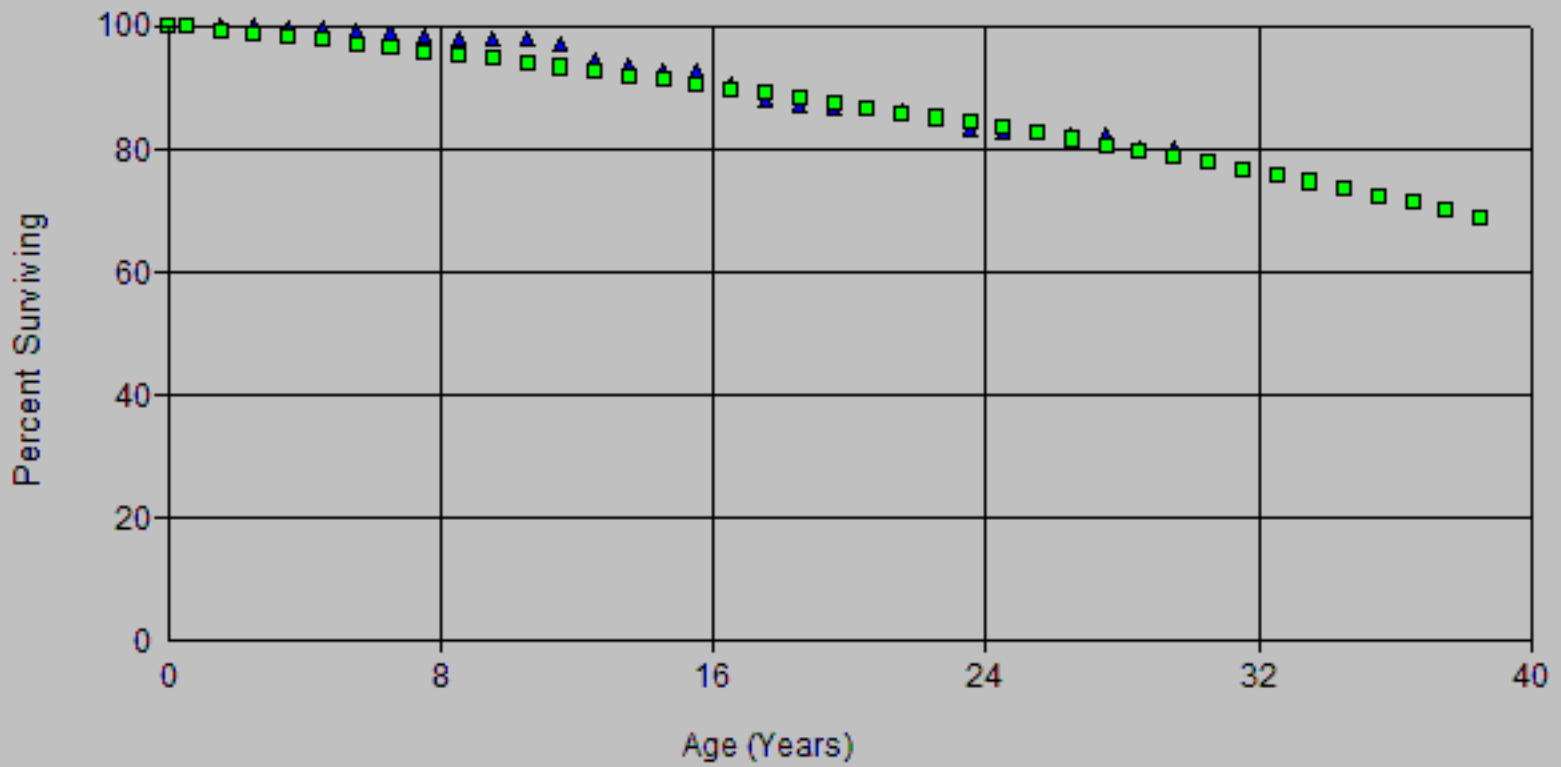
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SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt Scenario: So Cal Gas Actuarial @ 2020

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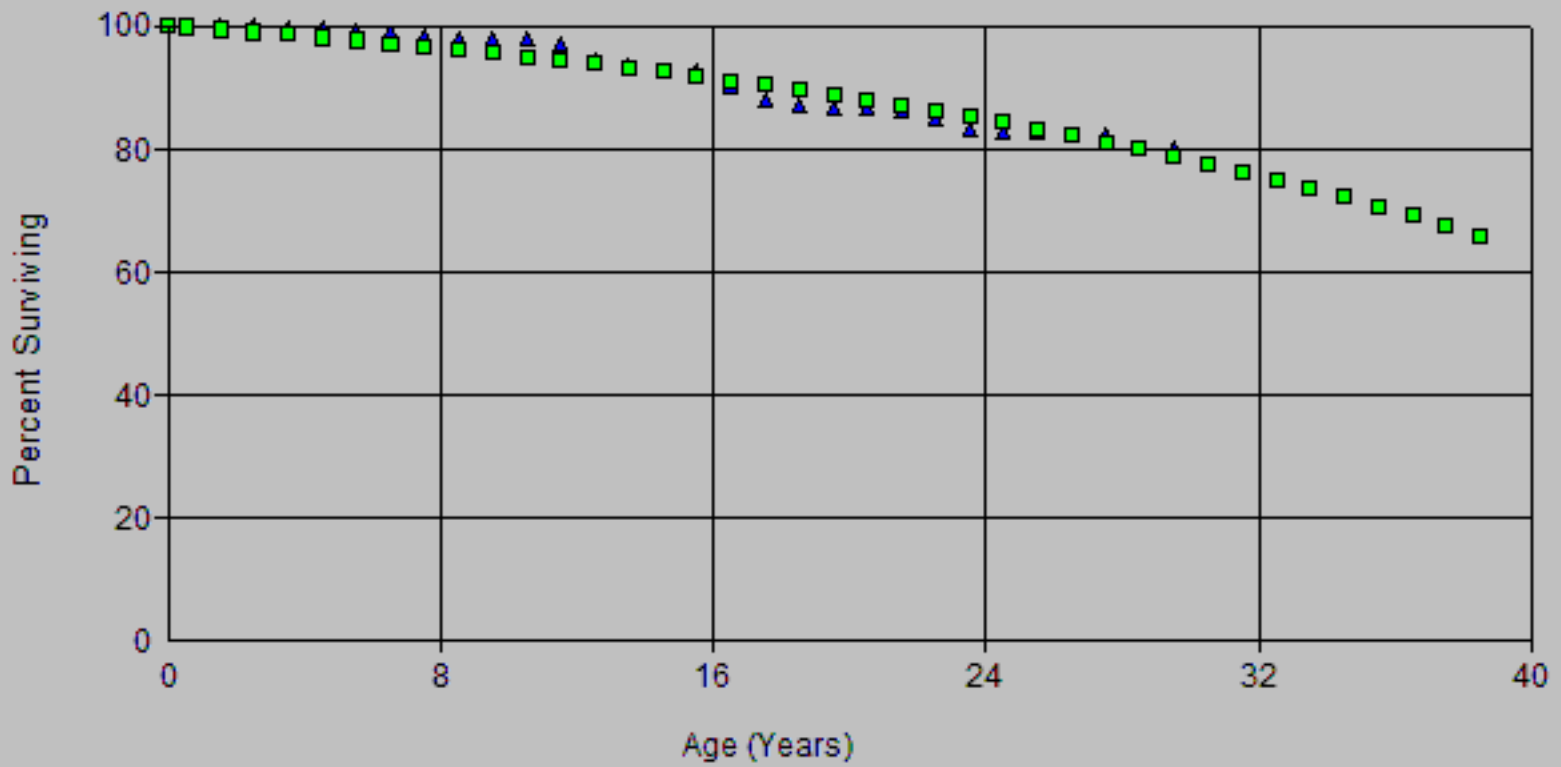


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

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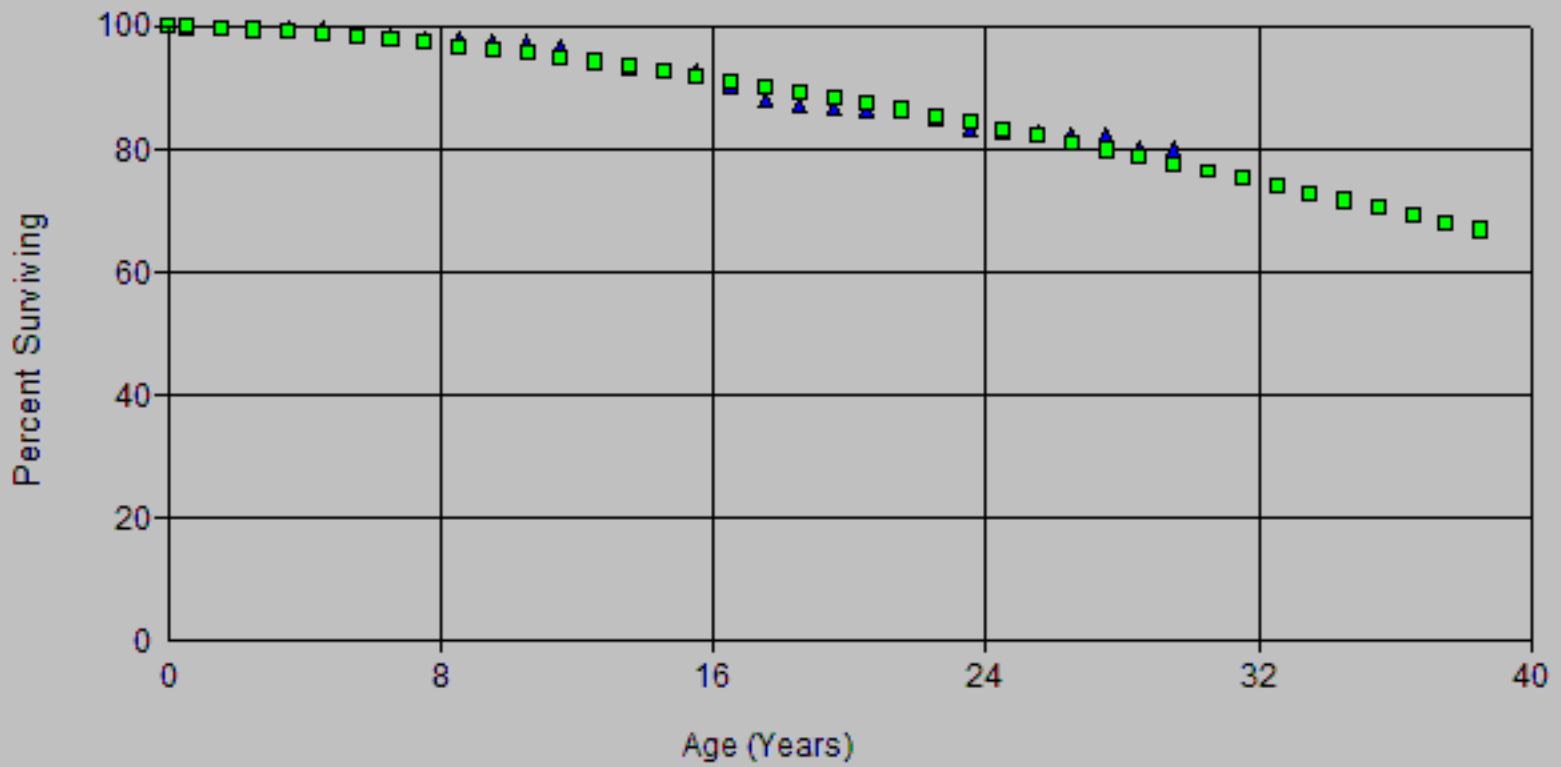


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

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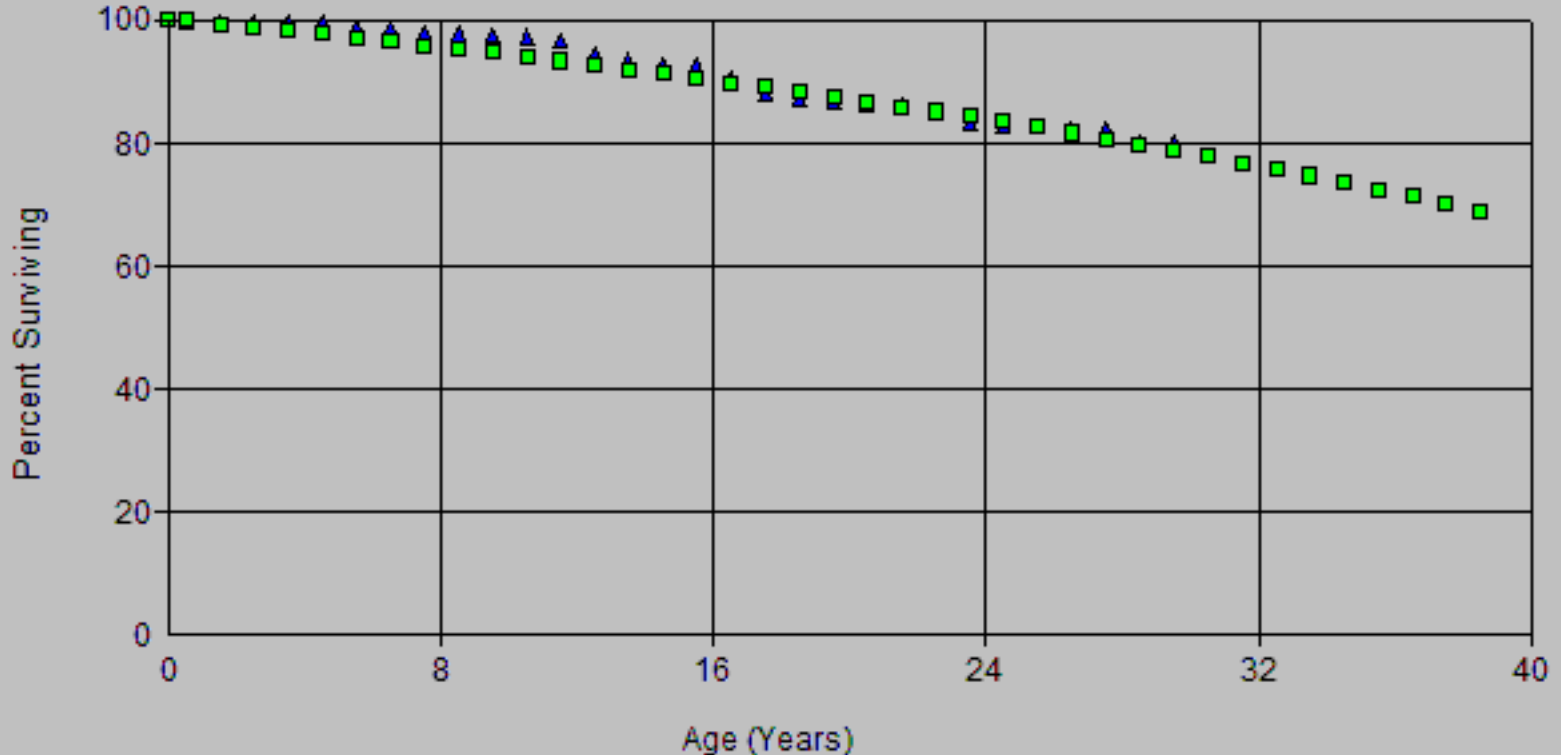


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt

Scenario: So Cal Gas Actuarial @ 2020

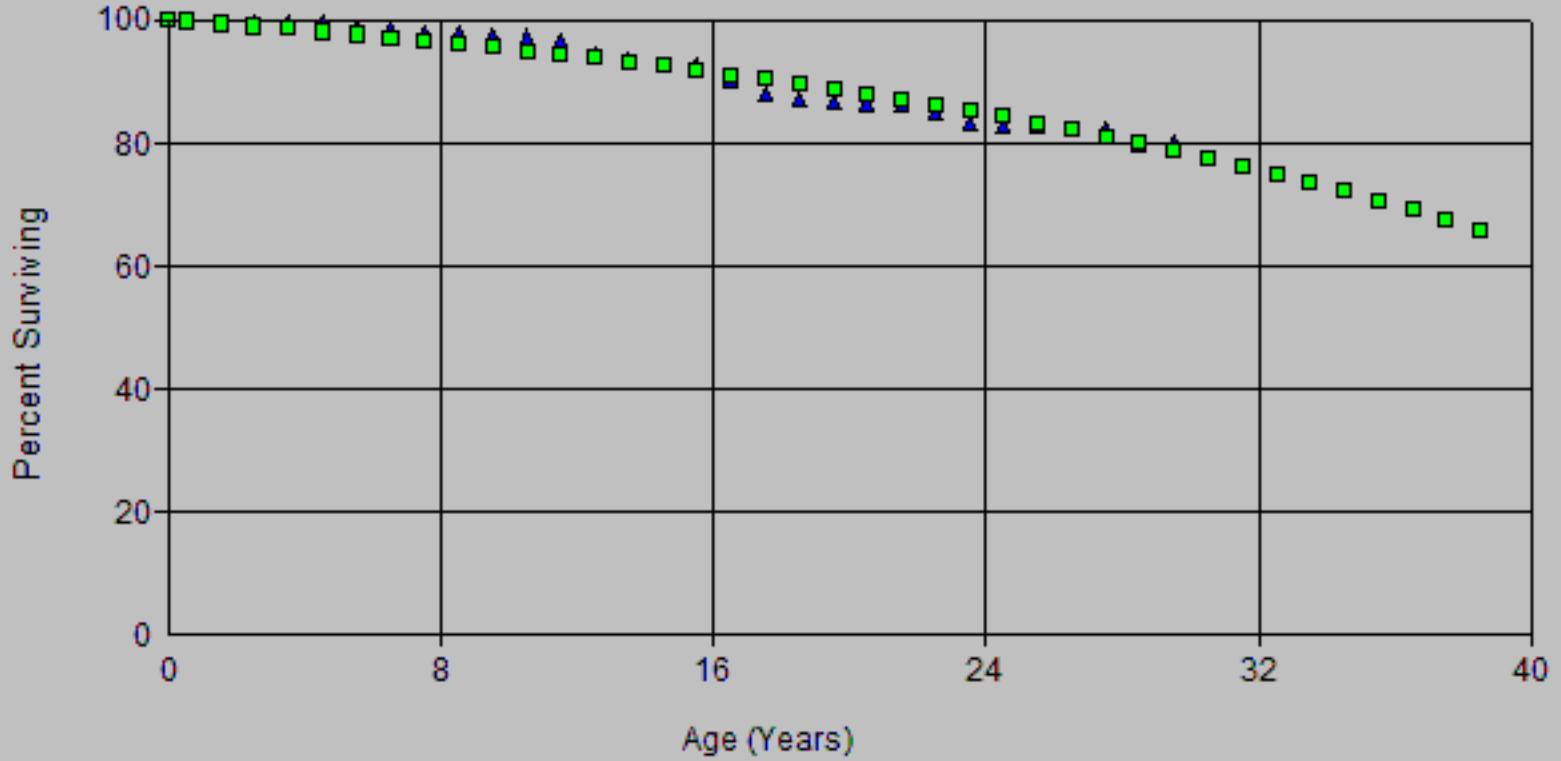
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SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 369-Meas & Reg Station Eqt Scenario: So Cal Gas Actuarial @ 2020

▲ Actual Data ■ R1.5 45.00



Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eqt

Placement Band: 1923 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	217,673,543.28	0.00	0.00000	1.00000	100.00
0.5	184,990,561.49	0.00	0.00000	1.00000	100.00
1.5	131,973,310.71	52,585.39	0.00040	0.99960	100.00
2.5	107,471,301.36	66,017.77	0.00061	0.99939	99.96
3.5	87,811,518.38	5,297.90	0.00006	0.99994	99.90
4.5	68,447,883.90	453,520.50	0.00663	0.99337	99.89
5.5	41,816,860.10	141,132.43	0.00338	0.99662	99.23
6.5	36,416,312.11	140,001.35	0.00384	0.99616	98.90
7.5	33,890,896.90	94,347.65	0.00278	0.99722	98.52
8.5	28,720,687.03	44,801.96	0.00156	0.99844	98.24
9.5	21,533,544.58	22,925.90	0.00106	0.99894	98.09
10.5	20,847,473.55	135,744.56	0.00651	0.99349	97.99
11.5	20,377,789.34	556,372.15	0.02730	0.97270	97.35
12.5	16,953,270.38	197,819.23	0.01167	0.98833	94.69
13.5	16,280,173.64	124,877.70	0.00767	0.99233	93.58
14.5	16,619,192.37	37,142.98	0.00223	0.99777	92.87
15.5	15,837,514.36	362,224.59	0.02287	0.97713	92.66
16.5	16,129,977.65	343,756.94	0.02131	0.97869	90.54
17.5	17,486,155.08	494,372.61	0.02827	0.97173	88.61
18.5	15,849,106.15	524,366.60	0.03308	0.96692	86.11
19.5	16,868,902.94	658,017.92	0.03901	0.96099	83.26
20.5	16,921,603.51	99,419.68	0.00588	0.99412	80.01
21.5	17,026,445.60	227,809.37	0.01338	0.98662	79.54
22.5	17,520,544.00	552,797.97	0.03155	0.96845	78.48
23.5	16,360,822.04	125,394.71	0.00766	0.99234	76.00
24.5	14,993,636.52	14,911.96	0.00099	0.99901	75.42
25.5	15,190,383.55	422,824.37	0.02784	0.97216	75.34
26.5	14,337,738.81	114,073.03	0.00796	0.99204	73.25
27.5	14,110,033.79	181,285.52	0.01285	0.98715	72.66
28.5	13,286,757.14	122,464.21	0.00922	0.99078	71.73
29.5	12,171,655.17	36,787.76	0.00302	0.99698	71.07
30.5	11,406,313.24	106,829.11	0.00937	0.99063	70.85
31.5	10,513,125.06	68,994.06	0.00656	0.99344	70.19
32.5	9,451,619.57	32,575.95	0.00345	0.99655	69.73
33.5	9,404,615.85	123,235.69	0.01310	0.98690	69.49
34.5	8,038,882.64	36,388.78	0.00453	0.99547	68.58
35.5	6,950,961.29	24,137.57	0.00347	0.99653	68.27
36.5	6,726,299.37	22,504.36	0.00335	0.99665	68.03
37.5	6,145,410.58	23,234.95	0.00378	0.99622	67.80
38.5	6,200,187.61	42,254.97	0.00682	0.99318	67.55
39.5	6,245,416.47	65,032.09	0.01041	0.98959	67.08
40.5	4,839,828.79	140,583.21	0.02905	0.97095	66.39
41.5	4,689,382.82	166,950.95	0.03560	0.96440	64.46
42.5	4,587,750.50	27,755.17	0.00605	0.99395	62.16
43.5	4,903,875.35	25,963.68	0.00529	0.99471	61.79
44.5	4,864,863.71	122,637.56	0.02521	0.97479	61.46
45.5	4,880,415.54	16,375.90	0.00336	0.99664	59.91
46.5	4,887,102.66	78,681.76	0.01610	0.98390	59.71
47.5	4,945,047.38	27,775.35	0.00562	0.99438	58.75
48.5	5,187,919.34	33,448.29	0.00645	0.99355	58.42
49.5	4,783,069.09	127,515.97	0.02666	0.97334	58.04
50.5	4,854,693.86	9,471.27	0.00195	0.99805	56.49
51.5	4,436,519.77	32,898.87	0.00742	0.99258	56.38
52.5	4,320,756.88	19,176.74	0.00444	0.99556	55.97

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eqt

Placement Band: 1923 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	4,241,375.96	14,396.89	0.00339	0.99661	55.72
54.5	4,119,264.61	58,036.77	0.01409	0.98591	55.53
55.5	3,850,773.45	9,971.46	0.00259	0.99741	54.75
56.5	3,780,926.05	78,712.08	0.02082	0.97918	54.61
57.5	3,617,481.28	8,583.24	0.00237	0.99763	53.47
58.5	3,412,021.50	116,394.03	0.03411	0.96589	53.34
59.5	3,177,151.12	54,885.86	0.01728	0.98272	51.52
60.5	2,836,659.17	0.00	0.00000	1.00000	50.63
61.5	2,649,819.78	2,006.38	0.00076	0.99924	50.63
62.5	2,158,841.07	22,374.77	0.01036	0.98964	50.59
63.5	1,643,324.95	159,159.42	0.09685	0.90315	50.07
64.5	1,359,365.60	27,107.41	0.01994	0.98006	45.22
65.5	1,197,354.25	5,887.72	0.00492	0.99508	44.32
66.5	1,041,756.33	9,971.32	0.00957	0.99043	44.10
67.5	971,450.70	0.00	0.00000	1.00000	43.68
68.5	834,670.25	1,643.80	0.00197	0.99803	43.68
69.5	605,132.39	0.00	0.00000	1.00000	43.59
70.5	426,013.71	0.00	0.00000	1.00000	43.59
71.5	321,680.05	0.00	0.00000	1.00000	43.59
72.5	230,635.72	0.00	0.00000	1.00000	43.59
73.5	82,231.53	333.27	0.00405	0.99595	43.59
74.5	93,022.49	0.00	0.00000	1.00000	43.42
75.5	55,534.60	952.26	0.01715	0.98285	43.42
76.5	47,840.64	9,177.94	0.19184	0.80816	42.67
77.5	37,833.45	0.00	0.00000	1.00000	34.49
78.5	32,850.13	0.00	0.00000	1.00000	34.49
79.5	28,355.77	0.00	0.00000	1.00000	34.49
80.5	29,837.76	0.00	0.00000	1.00000	34.49
81.5	28,694.21	0.00	0.00000	1.00000	34.49
82.5	22,440.04	0.00	0.00000	1.00000	34.49
83.5	18,019.21	0.00	0.00000	1.00000	34.49
84.5	17,994.21	0.00	0.00000	1.00000	34.49
85.5	17,277.66	0.00	0.00000	1.00000	34.49
86.5	17,186.73	38.57	0.00224	0.99776	34.49
87.5	16,821.72	0.00	0.00000	1.00000	34.41
88.5	16,275.40	0.00	0.00000	1.00000	34.41
89.5	4,310.56	0.00	0.00000	1.00000	34.41
90.5	4,263.87	0.00	0.00000	1.00000	34.41
91.5	4,175.73	0.00	0.00000	1.00000	34.41
92.5	4,015.47	0.00	0.00000	1.00000	34.41
93.5	3,394.77	0.00	0.00000	1.00000	34.41
94.5	2,499.54	0.00	0.00000	1.00000	34.41
95.5	432.71	0.00	0.00000	1.00000	34.41
96.5	83.26	0.00	0.00000	1.00000	34.41
97.5	0.00	0.00	0.00000	0.00000	34.41

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eqt

Placement Band: 1923 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	274,899,467.80	471,671.45	0.00172	0.99828	100.00
0.5	239,373,155.59	802,361.77	0.00335	0.99665	99.83
1.5	183,765,417.34	798,590.07	0.00435	0.99565	99.49
2.5	157,864,823.64	780,965.74	0.00495	0.99505	99.06
3.5	134,874,583.92	604,895.58	0.00448	0.99552	98.57
4.5	114,492,818.77	1,197,494.07	0.01046	0.98954	98.13
5.5	86,201,569.25	715,095.21	0.00830	0.99170	97.10
6.5	79,054,081.34	799,703.67	0.01012	0.98988	96.30
7.5	75,654,043.50	733,260.50	0.00969	0.99031	95.32
8.5	68,735,188.66	563,490.64	0.00820	0.99180	94.40
9.5	59,035,828.93	638,952.30	0.01082	0.98918	93.62
10.5	55,984,644.75	523,305.39	0.00935	0.99065	92.61
11.5	54,460,813.96	894,402.87	0.01642	0.98358	91.75
12.5	50,386,713.98	550,447.79	0.01092	0.98908	90.24
13.5	48,428,378.36	492,334.92	0.01017	0.98983	89.25
14.5	46,748,245.41	467,413.98	0.01000	0.99000	88.35
15.5	44,880,905.14	667,588.64	0.01487	0.98513	87.46
16.5	43,241,210.17	770,740.44	0.01782	0.98218	86.16
17.5	41,778,669.97	862,557.65	0.02065	0.97935	84.63
18.5	38,418,707.94	697,494.00	0.01816	0.98184	82.88
19.5	37,336,735.95	886,955.77	0.02376	0.97624	81.37
20.5	35,607,971.27	304,813.51	0.00856	0.99144	79.44
21.5	34,620,959.45	445,426.66	0.01287	0.98713	78.76
22.5	34,027,770.18	773,578.86	0.02273	0.97727	77.75
23.5	32,403,229.83	356,619.78	0.01101	0.98899	75.98
24.5	30,195,186.72	216,794.75	0.00718	0.99282	75.14
25.5	28,388,253.72	650,249.87	0.02291	0.97709	74.60
26.5	27,086,872.99	492,247.91	0.01817	0.98183	72.89
27.5	26,324,670.13	351,104.80	0.01334	0.98666	71.57
28.5	25,153,558.11	332,535.04	0.01322	0.98678	70.61
29.5	23,679,994.73	211,124.99	0.00892	0.99108	69.68
30.5	22,394,702.11	264,907.65	0.01183	0.98817	69.06
31.5	20,964,903.22	224,788.32	0.01072	0.98928	68.24
32.5	19,299,672.54	245,737.65	0.01273	0.98727	67.51
33.5	18,583,788.41	285,737.98	0.01538	0.98462	66.65
34.5	16,461,230.47	156,302.28	0.00950	0.99050	65.63
35.5	15,129,037.59	120,244.25	0.00795	0.99205	65.00
36.5	14,199,345.55	189,754.47	0.01336	0.98664	64.49
37.5	13,189,474.71	131,130.30	0.00994	0.99006	63.62
38.5	12,882,216.15	145,346.05	0.01128	0.98872	62.99
39.5	12,273,753.97	169,175.60	0.01378	0.98622	62.28
40.5	10,358,734.79	425,591.24	0.04109	0.95891	61.42
41.5	9,736,244.69	206,925.08	0.02125	0.97875	58.90
42.5	9,394,261.64	138,160.21	0.01471	0.98529	57.65
43.5	9,093,093.77	62,971.87	0.00693	0.99307	56.80
44.5	8,885,493.32	202,780.69	0.02282	0.97718	56.41
45.5	8,426,891.17	64,121.39	0.00761	0.99239	55.12
46.5	8,165,797.25	108,543.86	0.01329	0.98671	54.70
47.5	7,650,525.47	63,201.09	0.00826	0.99174	53.97
48.5	7,211,756.55	56,141.21	0.00778	0.99222	53.53
49.5	6,628,004.84	153,171.67	0.02311	0.97689	53.11
50.5	6,364,962.27	19,537.45	0.00307	0.99693	51.88
51.5	5,777,430.22	53,121.20	0.00919	0.99081	51.72
52.5	5,568,139.17	56,226.77	0.01010	0.98989	51.25

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eq

Placement Band: 1923 - 2020

Observation Band: 1947 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	5,272,625.47	33,555.38	0.00636	0.99364	50.73
54.5	4,901,594.09	83,250.98	0.01698	0.98302	50.41
55.5	4,425,538.22	19,117.02	0.00432	0.99568	49.55
56.5	4,231,450.66	88,696.13	0.02096	0.97904	49.34
57.5	3,966,651.07	13,756.66	0.00347	0.99653	48.30
58.5	3,562,603.23	118,882.21	0.03337	0.96663	48.14
59.5	3,323,738.20	60,533.71	0.01821	0.98179	46.53
60.5	2,925,048.77	6,924.55	0.00237	0.99763	45.68
61.5	2,724,450.13	7,445.34	0.00273	0.99727	45.58
62.5	2,227,042.95	26,417.66	0.01186	0.98814	45.45
63.5	1,701,879.92	162,115.50	0.09526	0.90474	44.91
64.5	1,400,077.51	32,758.94	0.02340	0.97660	40.63
65.5	1,231,829.79	6,122.74	0.00497	0.99503	39.68
66.5	1,074,503.85	11,810.23	0.01099	0.98901	39.49
67.5	996,021.88	234.89	0.00024	0.99976	39.05
68.5	854,585.71	1,677.91	0.00196	0.99804	39.04
69.5	624,988.74	26.67	0.00004	0.99996	38.97
70.5	445,126.84	0.00	0.00000	1.00000	38.96
71.5	340,702.25	0.00	0.00000	1.00000	38.96
72.5	249,331.48	0.00	0.00000	1.00000	38.96
73.5	100,009.13	333.27	0.00333	0.99667	38.96
74.5	98,169.39	0.00	0.00000	1.00000	38.83
75.5	59,798.47	952.26	0.01592	0.98408	38.83
76.5	52,016.37	9,177.94	0.17644	0.82356	38.22
77.5	41,848.92	0.00	0.00000	1.00000	31.47
78.5	36,244.90	0.00	0.00000	1.00000	31.47
79.5	30,855.31	0.00	0.00000	1.00000	31.47
80.5	30,270.47	0.00	0.00000	1.00000	31.47
81.5	28,777.47	0.00	0.00000	1.00000	31.47
82.5	22,440.04	0.00	0.00000	1.00000	31.47
83.5	18,019.21	0.00	0.00000	1.00000	31.47
84.5	17,994.21	0.00	0.00000	1.00000	31.47
85.5	17,277.66	0.00	0.00000	1.00000	31.47
86.5	17,186.73	38.57	0.00224	0.99776	31.47
87.5	16,821.72	0.00	0.00000	1.00000	31.40
88.5	16,275.40	0.00	0.00000	1.00000	31.40
89.5	4,310.56	0.00	0.00000	1.00000	31.40
90.5	4,263.87	0.00	0.00000	1.00000	31.40
91.5	4,175.73	0.00	0.00000	1.00000	31.40
92.5	4,015.47	0.00	0.00000	1.00000	31.40
93.5	3,394.77	0.00	0.00000	1.00000	31.40
94.5	2,499.54	0.00	0.00000	1.00000	31.40
95.5	432.71	0.00	0.00000	1.00000	31.40
96.5	83.26	0.00	0.00000	1.00000	31.40
97.5	0.00	0.00	0.00000	0.00000	31.40

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eqt

Placement Band: 1923 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	266,053,419.54	267,474.33	0.00101	0.99899	100.00
0.5	231,921,277.52	514,869.80	0.00222	0.99778	99.90
1.5	176,772,790.26	524,484.83	0.00297	0.99703	99.68
2.5	152,095,673.37	567,908.82	0.00373	0.99627	99.38
3.5	130,515,956.79	438,589.77	0.00336	0.99664	99.01
4.5	110,565,946.41	1,061,298.73	0.00960	0.99040	98.68
5.5	82,919,401.41	581,935.79	0.00702	0.99298	97.73
6.5	76,201,349.16	693,720.26	0.00910	0.99090	97.04
7.5	73,028,636.77	641,870.61	0.00879	0.99121	96.16
8.5	66,539,992.05	484,108.08	0.00728	0.99272	95.32
9.5	57,343,456.23	574,420.91	0.01002	0.98998	94.62
10.5	54,701,149.19	481,549.04	0.00880	0.99120	93.67
11.5	53,476,328.55	864,593.27	0.01617	0.98383	92.85
12.5	49,612,959.82	525,979.20	0.01060	0.98940	91.35
13.5	48,053,770.99	484,147.79	0.01008	0.98992	90.38
14.5	46,385,592.51	458,074.59	0.00988	0.99012	89.47
15.5	44,598,977.29	654,798.94	0.01468	0.98532	88.59
16.5	42,984,512.20	762,003.60	0.01773	0.98227	87.29
17.5	41,533,114.72	855,691.48	0.02060	0.97940	85.74
18.5	38,191,374.26	692,159.01	0.01812	0.98188	83.97
19.5	37,152,469.92	881,758.97	0.02373	0.97627	82.45
20.5	35,424,876.46	301,457.92	0.00851	0.99149	80.49
21.5	34,452,314.75	440,686.64	0.01279	0.98721	79.81
22.5	33,878,894.24	769,618.81	0.02272	0.97728	78.79
23.5	32,280,963.12	353,732.45	0.01096	0.98904	77.00
24.5	30,093,878.78	214,095.68	0.00711	0.99289	76.15
25.5	28,295,386.96	647,238.61	0.02287	0.97713	75.61
26.5	27,005,953.18	490,150.50	0.01815	0.98185	73.88
27.5	26,250,930.65	349,521.58	0.01331	0.98669	72.54
28.5	25,085,204.99	330,775.52	0.01319	0.98681	71.58
29.5	23,642,569.05	210,504.68	0.00890	0.99110	70.63
30.5	22,366,234.44	264,361.26	0.01182	0.98818	70.00
31.5	20,942,370.32	224,253.88	0.01071	0.98929	69.18
32.5	19,281,834.05	245,337.08	0.01272	0.98728	68.44
33.5	18,570,045.55	285,473.26	0.01537	0.98463	67.57
34.5	16,454,762.50	156,089.66	0.00949	0.99051	66.53
35.5	15,126,378.38	120,208.57	0.00795	0.99205	65.90
36.5	14,199,013.65	189,747.29	0.01336	0.98664	65.37
37.5	13,189,474.71	131,130.30	0.00994	0.99006	64.50
38.5	12,882,216.15	145,346.05	0.01128	0.98872	63.86
39.5	12,273,753.97	169,175.60	0.01378	0.98622	63.14
40.5	10,358,734.79	425,591.24	0.04109	0.95891	62.27
41.5	9,736,244.69	206,925.08	0.02125	0.97875	59.71
42.5	9,394,261.64	138,160.21	0.01471	0.98529	58.44
43.5	9,093,093.77	62,971.87	0.00693	0.99307	57.58
44.5	8,885,493.32	202,780.69	0.02282	0.97718	57.18
45.5	8,426,891.17	64,121.39	0.00761	0.99239	55.88
46.5	8,165,797.25	108,543.86	0.01329	0.98671	55.45
47.5	7,650,525.47	63,201.09	0.00826	0.99174	54.71
48.5	7,211,756.55	56,141.21	0.00778	0.99222	54.26
49.5	6,628,004.84	153,171.67	0.02311	0.97689	53.84
50.5	6,364,962.27	19,537.45	0.00307	0.99693	52.60
51.5	5,777,430.22	53,121.20	0.00919	0.99081	52.44
52.5	5,568,139.17	56,226.77	0.01010	0.98989	51.95

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eqt

Placement Band: 1923 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	5,272,625.47	33,555.38	0.00636	0.99364	51.43
54.5	4,901,594.09	83,250.98	0.01698	0.98302	51.10
55.5	4,425,538.22	19,117.02	0.00432	0.99568	50.23
56.5	4,231,450.66	88,696.13	0.02096	0.97904	50.02
57.5	3,966,651.07	13,756.66	0.00347	0.99653	48.97
58.5	3,562,603.23	118,882.21	0.03337	0.96663	48.80
59.5	3,323,738.20	60,533.71	0.01821	0.98179	47.17
60.5	2,925,048.77	6,924.55	0.00237	0.99763	46.31
61.5	2,724,450.13	7,445.34	0.00273	0.99727	46.20
62.5	2,227,042.95	26,417.66	0.01186	0.98814	46.08
63.5	1,701,879.92	162,115.50	0.09526	0.90474	45.53
64.5	1,400,077.51	32,758.94	0.02340	0.97660	41.19
65.5	1,231,829.79	6,122.74	0.00497	0.99503	40.23
66.5	1,074,503.85	11,810.23	0.01099	0.98901	40.03
67.5	996,021.88	234.89	0.00024	0.99976	39.59
68.5	854,585.71	1,677.91	0.00196	0.99804	39.58
69.5	624,988.74	26.67	0.00004	0.99996	39.50
70.5	445,126.84	0.00	0.00000	1.00000	39.50
71.5	340,702.25	0.00	0.00000	1.00000	39.50
72.5	249,331.48	0.00	0.00000	1.00000	39.50
73.5	100,009.13	333.27	0.00333	0.99667	39.50
74.5	98,169.39	0.00	0.00000	1.00000	39.37
75.5	59,798.47	952.26	0.01592	0.98408	39.37
76.5	52,016.37	9,177.94	0.17644	0.82356	38.74
77.5	41,848.92	0.00	0.00000	1.00000	31.90
78.5	36,244.90	0.00	0.00000	1.00000	31.90
79.5	30,855.31	0.00	0.00000	1.00000	31.90
80.5	30,270.47	0.00	0.00000	1.00000	31.90
81.5	28,777.47	0.00	0.00000	1.00000	31.90
82.5	22,440.04	0.00	0.00000	1.00000	31.90
83.5	18,019.21	0.00	0.00000	1.00000	31.90
84.5	17,994.21	0.00	0.00000	1.00000	31.90
85.5	17,277.66	0.00	0.00000	1.00000	31.90
86.5	17,186.73	38.57	0.00224	0.99776	31.90
87.5	16,821.72	0.00	0.00000	1.00000	31.83
88.5	16,275.40	0.00	0.00000	1.00000	31.83
89.5	4,310.56	0.00	0.00000	1.00000	31.83
90.5	4,263.87	0.00	0.00000	1.00000	31.83
91.5	4,175.73	0.00	0.00000	1.00000	31.83
92.5	4,015.47	0.00	0.00000	1.00000	31.83
93.5	3,394.77	0.00	0.00000	1.00000	31.83
94.5	2,499.54	0.00	0.00000	1.00000	31.83
95.5	432.71	0.00	0.00000	1.00000	31.83
96.5	83.26	0.00	0.00000	1.00000	31.83
97.5	0.00	0.00	0.00000	0.00000	31.83

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eq

Placement Band: 1923 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	237,644,452.84	88,122.24	0.00037	0.99963	100.00
0.5	203,429,940.31	145,884.05	0.00072	0.99928	99.96
1.5	150,192,852.66	180,524.94	0.00120	0.99880	99.89
2.5	127,511,445.32	257,613.98	0.00202	0.99798	99.77
3.5	106,756,604.83	132,909.18	0.00124	0.99876	99.57
4.5	89,008,879.11	800,438.00	0.00899	0.99101	99.45
5.5	62,867,285.06	313,987.21	0.00499	0.99501	98.55
6.5	57,239,887.85	424,538.05	0.00742	0.99258	98.06
7.5	55,236,410.90	408,002.23	0.00739	0.99261	97.33
8.5	49,117,218.52	260,155.63	0.00530	0.99470	96.61
9.5	40,414,407.18	386,849.77	0.00957	0.99043	96.10
10.5	39,599,336.42	299,790.78	0.00757	0.99243	95.18
11.5	38,594,735.73	688,953.31	0.01785	0.98215	94.46
12.5	34,944,671.03	343,787.32	0.00984	0.99016	92.77
13.5	33,434,321.65	287,625.43	0.00860	0.99140	91.86
14.5	32,163,682.74	247,953.91	0.00771	0.99229	91.07
15.5	30,873,474.63	454,360.70	0.01472	0.98528	90.37
16.5	29,935,129.90	587,195.38	0.01962	0.98038	89.04
17.5	29,357,837.10	689,000.72	0.02347	0.97653	87.29
18.5	26,798,587.25	548,837.99	0.02048	0.97952	85.24
19.5	26,528,935.02	743,201.74	0.02801	0.97199	83.50
20.5	25,091,003.14	156,827.37	0.00625	0.99375	81.16
21.5	24,955,065.33	308,151.24	0.01235	0.98765	80.65
22.5	24,822,838.02	638,994.64	0.02574	0.97426	79.66
23.5	23,714,660.84	231,791.91	0.00977	0.99023	77.61
24.5	22,309,663.18	93,021.54	0.00417	0.99583	76.85
25.5	21,122,166.57	535,276.04	0.02534	0.97466	76.53
26.5	20,246,146.20	377,308.72	0.01864	0.98136	74.59
27.5	19,840,735.85	249,011.36	0.01255	0.98745	73.20
28.5	19,412,664.95	225,304.93	0.01161	0.98839	72.28
29.5	18,244,071.29	108,057.64	0.00592	0.99408	71.44
30.5	17,833,507.78	179,493.85	0.01006	0.98994	71.02
31.5	16,776,011.20	143,672.77	0.00856	0.99144	70.30
32.5	15,816,139.87	188,009.90	0.01189	0.98811	69.70
33.5	15,914,113.55	239,714.46	0.01506	0.98494	68.87
34.5	14,021,289.19	112,867.94	0.00805	0.99195	67.83
35.5	13,094,473.77	80,496.13	0.00615	0.99385	67.29
36.5	12,393,012.99	153,580.89	0.01239	0.98761	66.88
37.5	11,510,997.40	97,519.24	0.00847	0.99153	66.05
38.5	11,467,657.17	117,878.82	0.01028	0.98972	65.49
39.5	11,165,935.32	144,848.72	0.01297	0.98703	64.81
40.5	9,496,687.10	410,197.98	0.04319	0.95681	63.97
41.5	9,048,366.69	192,799.15	0.02131	0.97869	61.21
42.5	8,838,647.15	131,376.24	0.01486	0.98514	59.91
43.5	8,770,623.50	59,262.83	0.00676	0.99324	59.02
44.5	8,575,475.61	200,159.26	0.02334	0.97666	58.62
45.5	8,203,134.08	62,334.43	0.00760	0.99240	57.25
46.5	7,961,349.11	107,278.27	0.01347	0.98653	56.81
47.5	7,454,556.21	61,933.68	0.00831	0.99169	56.05
48.5	7,028,329.98	55,071.89	0.00784	0.99216	55.58
49.5	6,476,290.63	152,286.14	0.02351	0.97649	55.15
50.5	6,219,110.71	18,809.56	0.00302	0.99698	53.85
51.5	5,651,473.43	52,512.74	0.00929	0.99071	53.69
52.5	5,455,726.94	55,929.92	0.01025	0.98975	53.19

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eq

Placement Band: 1923 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	5,179,976.44	33,294.70	0.00643	0.99357	52.64
54.5	4,827,256.18	82,883.70	0.01717	0.98283	52.31
55.5	4,356,709.66	18,495.38	0.00425	0.99575	51.41
56.5	4,172,103.85	88,278.68	0.02116	0.97884	51.19
57.5	3,912,535.43	13,341.72	0.00341	0.99659	50.11
58.5	3,511,956.39	118,674.02	0.03379	0.96621	49.94
59.5	3,292,284.75	60,465.20	0.01837	0.98163	48.25
60.5	2,901,299.54	6,849.72	0.00236	0.99764	47.36
61.5	2,706,095.14	7,351.19	0.00272	0.99728	47.25
62.5	2,212,819.29	26,350.35	0.01191	0.98809	47.12
63.5	1,690,956.33	162,063.09	0.09584	0.90416	46.56
64.5	1,395,569.78	32,735.93	0.02346	0.97654	42.10
65.5	1,229,499.42	6,118.88	0.00498	0.99502	41.11
66.5	1,074,233.17	11,809.66	0.01099	0.98901	40.91
67.5	996,021.88	234.89	0.00024	0.99976	40.46
68.5	854,585.71	1,677.91	0.00196	0.99804	40.45
69.5	624,988.74	26.67	0.00004	0.99996	40.37
70.5	445,126.84	0.00	0.00000	1.00000	40.36
71.5	340,702.25	0.00	0.00000	1.00000	40.36
72.5	249,331.48	0.00	0.00000	1.00000	40.36
73.5	100,009.13	333.27	0.00333	0.99667	40.36
74.5	98,169.39	0.00	0.00000	1.00000	40.23
75.5	59,798.47	952.26	0.01592	0.98408	40.23
76.5	52,016.37	9,177.94	0.17644	0.82356	39.59
77.5	41,848.92	0.00	0.00000	1.00000	32.60
78.5	36,244.90	0.00	0.00000	1.00000	32.60
79.5	30,855.31	0.00	0.00000	1.00000	32.60
80.5	30,270.47	0.00	0.00000	1.00000	32.60
81.5	28,777.47	0.00	0.00000	1.00000	32.60
82.5	22,440.04	0.00	0.00000	1.00000	32.60
83.5	18,019.21	0.00	0.00000	1.00000	32.60
84.5	17,994.21	0.00	0.00000	1.00000	32.60
85.5	17,277.66	0.00	0.00000	1.00000	32.60
86.5	17,186.73	38.57	0.00224	0.99776	32.60
87.5	16,821.72	0.00	0.00000	1.00000	32.53
88.5	16,275.40	0.00	0.00000	1.00000	32.53
89.5	4,310.56	0.00	0.00000	1.00000	32.53
90.5	4,263.87	0.00	0.00000	1.00000	32.53
91.5	4,175.73	0.00	0.00000	1.00000	32.53
92.5	4,015.47	0.00	0.00000	1.00000	32.53
93.5	3,394.77	0.00	0.00000	1.00000	32.53
94.5	2,499.54	0.00	0.00000	1.00000	32.53
95.5	432.71	0.00	0.00000	1.00000	32.53
96.5	83.26	0.00	0.00000	1.00000	32.53
97.5	0.00	0.00	0.00000	0.00000	32.53

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eq

Placement Band: 1961 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	217,673,543.28	0.00	0.00000	1.00000	100.00
0.5	184,990,561.49	0.00	0.00000	1.00000	100.00
1.5	131,973,310.71	52,585.39	0.00040	0.99960	100.00
2.5	107,471,301.36	66,017.77	0.00061	0.99939	99.96
3.5	87,811,518.38	5,297.90	0.00006	0.99994	99.90
4.5	68,447,883.90	453,520.50	0.00663	0.99337	99.89
5.5	41,816,860.10	141,132.43	0.00338	0.99662	99.23
6.5	36,416,312.11	140,001.35	0.00384	0.99616	98.90
7.5	33,890,896.90	94,347.65	0.00278	0.99722	98.52
8.5	28,720,687.03	44,801.96	0.00156	0.99844	98.24
9.5	21,533,544.58	22,925.90	0.00106	0.99894	98.09
10.5	20,847,473.55	135,744.56	0.00651	0.99349	97.99
11.5	20,377,789.34	556,372.15	0.02730	0.97270	97.35
12.5	16,953,270.38	197,819.23	0.01167	0.98833	94.69
13.5	16,280,173.64	124,877.70	0.00767	0.99233	93.58
14.5	16,619,192.37	37,142.98	0.00223	0.99777	92.87
15.5	15,837,514.36	362,224.59	0.02287	0.97713	92.66
16.5	16,129,977.65	343,756.94	0.02131	0.97869	90.54
17.5	17,486,155.08	494,372.61	0.02827	0.97173	88.61
18.5	15,849,106.15	524,366.60	0.03308	0.96692	86.11
19.5	16,868,902.94	658,017.92	0.03901	0.96099	83.26
20.5	16,921,603.51	99,419.68	0.00588	0.99412	80.01
21.5	17,026,445.60	227,809.37	0.01338	0.98662	79.54
22.5	17,520,544.00	552,797.97	0.03155	0.96845	78.48
23.5	16,360,822.04	125,394.71	0.00766	0.99234	76.00
24.5	14,993,636.52	14,911.96	0.00099	0.99901	75.42
25.5	15,190,383.55	422,824.37	0.02784	0.97216	75.34
26.5	14,337,738.81	114,073.03	0.00796	0.99204	73.25
27.5	14,110,033.79	181,285.52	0.01285	0.98715	72.66
28.5	13,286,757.14	122,464.21	0.00922	0.99078	71.73
29.5	12,171,655.17	36,787.76	0.00302	0.99698	71.07
30.5	11,406,313.24	106,829.11	0.00937	0.99063	70.85
31.5	10,513,125.06	68,994.06	0.00656	0.99344	70.19
32.5	9,451,619.57	32,575.95	0.00345	0.99655	69.73
33.5	9,404,615.85	123,235.69	0.01310	0.98690	69.49
34.5	8,038,882.64	36,388.78	0.00453	0.99547	68.58
35.5	6,950,961.29	24,137.57	0.00347	0.99653	68.27
36.5	6,726,299.37	22,504.36	0.00335	0.99665	68.03
37.5	6,145,410.58	23,234.95	0.00378	0.99622	67.80
38.5	6,200,187.61	42,254.97	0.00682	0.99318	67.55
39.5	6,245,416.47	65,032.09	0.01041	0.98959	67.08
40.5	4,839,828.79	140,583.21	0.02905	0.97095	66.39
41.5	4,689,382.82	166,950.95	0.03560	0.96440	64.46
42.5	4,587,750.50	27,755.17	0.00605	0.99395	62.16
43.5	4,903,875.35	25,963.68	0.00529	0.99471	61.79
44.5	4,864,863.71	122,637.56	0.02521	0.97479	61.46
45.5	4,486,404.69	16,375.90	0.00365	0.99635	59.91
46.5	4,273,056.26	72,992.32	0.01708	0.98292	59.69
47.5	3,793,336.02	21,132.52	0.00557	0.99443	58.67
48.5	3,396,635.67	18,670.03	0.00550	0.99450	58.34
49.5	2,850,355.14	71,528.77	0.02509	0.97491	58.02
50.5	2,668,955.47	0.00	0.00000	1.00000	56.57
51.5	2,100,960.87	7,761.60	0.00369	0.99631	56.57
52.5	1,937,029.42	11,329.18	0.00585	0.99415	56.36

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eqt

Placement Band: 1961 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,686,414.31	7,762.80	0.00460	0.99540	56.03
54.5	1,341,175.51	4,635.60	0.00346	0.99654	55.77
55.5	943,735.02	0.00	0.00000	1.00000	55.58
56.5	768,764.48	73,803.78	0.09600	0.90400	55.58
57.5	518,857.24	8,583.24	0.01654	0.98346	50.24
58.5	119,982.82	0.00	0.00000	1.00000	49.41
59.5	0.00	0.00	0.00000	0.00000	49.41

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eqt

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	266,053,419.54	267,474.33	0.00101	0.99899	100.00
0.5	230,718,295.47	497,833.59	0.00216	0.99784	99.90
1.5	175,153,631.50	489,499.00	0.00279	0.99721	99.68
2.5	149,524,558.50	520,642.67	0.00348	0.99652	99.41
3.5	126,784,477.44	367,204.08	0.00290	0.99710	99.06
4.5	106,612,148.34	982,695.01	0.00922	0.99078	98.77
5.5	78,459,261.52	493,489.75	0.00629	0.99371	97.86
6.5	71,526,576.90	614,211.52	0.00859	0.99141	97.25
7.5	68,288,141.53	564,083.84	0.00826	0.99174	96.41
8.5	61,505,220.96	411,201.39	0.00669	0.99331	95.61
9.5	51,924,308.02	514,876.09	0.00992	0.99008	94.97
10.5	48,979,067.61	412,321.29	0.00842	0.99158	94.03
11.5	47,558,702.13	792,530.35	0.01666	0.98334	93.24
12.5	43,577,309.86	441,926.85	0.01014	0.98986	91.69
13.5	41,721,576.41	395,219.82	0.00947	0.99053	90.76
14.5	40,132,366.99	356,623.49	0.00889	0.99111	89.90
15.5	38,313,275.79	558,241.92	0.01457	0.98543	89.10
16.5	36,772,220.64	675,225.73	0.01836	0.98164	87.80
17.5	35,399,566.74	776,968.28	0.02195	0.97805	86.19
18.5	32,120,592.97	622,116.74	0.01937	0.98063	84.30
19.5	31,108,585.93	815,687.67	0.02622	0.97378	82.66
20.5	29,441,593.63	230,052.10	0.00781	0.99219	80.50
21.5	28,520,009.55	369,103.77	0.01294	0.98706	79.87
22.5	27,999,879.33	694,968.58	0.02482	0.97518	78.83
23.5	26,453,391.18	281,675.31	0.01065	0.98935	76.88
24.5	24,320,292.54	141,014.55	0.00580	0.99420	76.06
25.5	22,589,139.74	568,799.12	0.02518	0.97482	75.62
26.5	21,369,209.76	403,373.77	0.01888	0.98112	73.71
27.5	20,695,881.04	262,917.14	0.01270	0.98730	72.32
28.5	19,612,956.68	227,857.05	0.01162	0.98838	71.40
29.5	18,244,071.29	108,057.64	0.00592	0.99408	70.57
30.5	17,061,846.02	167,971.16	0.00984	0.99016	70.16
31.5	15,728,983.62	110,086.24	0.00700	0.99300	69.47
32.5	14,178,455.02	175,647.33	0.01239	0.98761	68.98
33.5	13,532,661.21	224,093.51	0.01656	0.98344	68.13
34.5	11,471,747.74	71,161.90	0.00620	0.99380	67.00
35.5	10,224,695.24	38,524.30	0.00377	0.99623	66.58
36.5	9,376,723.15	91,194.21	0.00973	0.99027	66.33
37.5	8,465,412.57	23,360.95	0.00276	0.99724	65.69
38.5	8,265,923.36	51,272.79	0.00620	0.99380	65.51
39.5	7,751,534.44	76,639.23	0.00989	0.99011	65.10
40.5	5,929,051.63	176,553.31	0.02978	0.97022	64.46
41.5	5,555,599.46	166,950.95	0.03005	0.96995	62.54
42.5	5,253,590.54	55,033.31	0.01048	0.98952	60.66
43.5	5,035,549.57	26,057.28	0.00517	0.99483	60.02
44.5	4,864,863.71	122,637.56	0.02521	0.97479	59.71
45.5	4,486,404.69	16,375.90	0.00365	0.99635	58.21
46.5	4,273,056.26	72,992.32	0.01708	0.98292	57.99
47.5	3,793,336.02	21,132.52	0.00557	0.99443	57.00
48.5	3,396,635.67	18,670.03	0.00550	0.99450	56.69
49.5	2,850,355.14	71,528.77	0.02509	0.97491	56.37
50.5	2,668,955.47	0.00	0.00000	1.00000	54.96
51.5	2,100,960.87	7,761.60	0.00369	0.99631	54.96
52.5	1,937,029.42	11,329.18	0.00585	0.99415	54.76

Observed Life Table Deprecation Workpapers

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eqt

Placement Band: 1961 - 2020

Observation Band: 1961 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,686,414.31	7,762.80	0.00460	0.99540	54.44
54.5	1,341,175.51	4,635.60	0.00346	0.99654	54.19
55.5	943,735.02	0.00	0.00000	1.00000	54.00
56.5	768,764.48	73,803.78	0.09600	0.90400	54.00
57.5	518,857.24	8,583.24	0.01654	0.98346	48.82
58.5	119,982.82	0.00	0.00000	1.00000	48.01
59.5	0.00	0.00	0.00000	0.00000	48.01

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eq

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	237,644,452.84	88,122.24	0.00037	0.99963	100.00
0.5	203,429,940.31	145,884.05	0.00072	0.99928	99.96
1.5	150,192,852.66	180,524.94	0.00120	0.99880	99.89
2.5	127,511,445.32	257,613.98	0.00202	0.99798	99.77
3.5	106,756,604.83	132,909.18	0.00124	0.99876	99.57
4.5	89,008,879.11	800,438.00	0.00899	0.99101	99.45
5.5	62,867,285.06	313,987.21	0.00499	0.99501	98.55
6.5	57,239,887.85	424,538.05	0.00742	0.99258	98.06
7.5	55,236,410.90	408,002.23	0.00739	0.99261	97.33
8.5	49,117,218.52	260,155.63	0.00530	0.99470	96.61
9.5	40,414,407.18	386,849.77	0.00957	0.99043	96.10
10.5	39,599,336.42	299,790.78	0.00757	0.99243	95.18
11.5	38,594,735.73	688,953.31	0.01785	0.98215	94.46
12.5	34,944,671.03	343,787.32	0.00984	0.99016	92.77
13.5	33,434,321.65	287,625.43	0.00860	0.99140	91.86
14.5	32,163,682.74	247,953.91	0.00771	0.99229	91.07
15.5	30,873,474.63	454,360.70	0.01472	0.98528	90.37
16.5	29,935,129.90	587,195.38	0.01962	0.98038	89.04
17.5	29,357,837.10	689,000.72	0.02347	0.97653	87.29
18.5	26,798,587.25	548,837.99	0.02048	0.97952	85.24
19.5	26,528,935.02	743,201.74	0.02801	0.97199	83.50
20.5	25,091,003.14	156,827.37	0.00625	0.99375	81.16
21.5	24,955,065.33	308,151.24	0.01235	0.98765	80.65
22.5	24,822,838.02	638,994.64	0.02574	0.97426	79.66
23.5	23,714,660.84	231,791.91	0.00977	0.99023	77.61
24.5	22,309,663.18	93,021.54	0.00417	0.99583	76.85
25.5	21,122,166.57	535,276.04	0.02534	0.97466	76.53
26.5	20,246,146.20	377,308.72	0.01864	0.98136	74.59
27.5	19,840,735.85	249,011.36	0.01255	0.98745	73.20
28.5	19,412,664.95	225,304.93	0.01161	0.98839	72.28
29.5	18,244,071.29	108,057.64	0.00592	0.99408	71.44
30.5	17,061,846.02	167,971.16	0.00984	0.99016	71.02
31.5	15,728,983.62	110,086.24	0.00700	0.99300	70.32
32.5	14,178,455.02	175,647.33	0.01239	0.98761	69.83
33.5	13,532,661.21	224,093.51	0.01656	0.98344	68.96
34.5	11,471,747.74	71,161.90	0.00620	0.99380	67.82
35.5	10,224,695.24	38,524.30	0.00377	0.99623	67.40
36.5	9,376,723.15	91,194.21	0.00973	0.99027	67.15
37.5	8,465,412.57	23,360.95	0.00276	0.99724	66.49
38.5	8,265,923.36	51,272.79	0.00620	0.99380	66.31
39.5	7,751,534.44	76,639.23	0.00989	0.99011	65.90
40.5	5,929,051.63	176,553.31	0.02978	0.97022	65.25
41.5	5,555,599.46	166,950.95	0.03005	0.96995	63.30
42.5	5,253,590.54	55,033.31	0.01048	0.98952	61.40
43.5	5,035,549.57	26,057.28	0.00517	0.99483	60.76
44.5	4,864,863.71	122,637.56	0.02521	0.97479	60.44
45.5	4,486,404.69	16,375.90	0.00365	0.99635	58.92
46.5	4,273,056.26	72,992.32	0.01708	0.98292	58.70
47.5	3,793,336.02	21,132.52	0.00557	0.99443	57.70
48.5	3,396,635.67	18,670.03	0.00550	0.99450	57.38
49.5	2,850,355.14	71,528.77	0.02509	0.97491	57.06
50.5	2,668,955.47	0.00	0.00000	1.00000	55.63
51.5	2,100,960.87	7,761.60	0.00369	0.99631	55.63
52.5	1,937,029.42	11,329.18	0.00585	0.99415	55.43

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eqt

Placement Band: 1961 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,686,414.31	7,762.80	0.00460	0.99540	55.10
54.5	1,341,175.51	4,635.60	0.00346	0.99654	54.85
55.5	943,735.02	0.00	0.00000	1.00000	54.66
56.5	768,764.48	73,803.78	0.09600	0.90400	54.66
57.5	518,857.24	8,583.24	0.01654	0.98346	49.41
58.5	119,982.82	0.00	0.00000	1.00000	48.60
59.5	0.00	0.00	0.00000	0.00000	48.60

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eq

Placement Band: 1991 - 2020

Observation Band: 2006 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	217,673,543.28	0.00	0.00000	1.00000	100.00
0.5	184,990,561.49	0.00	0.00000	1.00000	100.00
1.5	131,973,310.71	52,585.39	0.00040	0.99960	100.00
2.5	107,471,301.36	66,017.77	0.00061	0.99939	99.96
3.5	87,811,518.38	5,297.90	0.00006	0.99994	99.90
4.5	68,447,883.90	453,520.50	0.00663	0.99337	99.89
5.5	41,816,860.10	141,132.43	0.00338	0.99662	99.23
6.5	36,416,312.11	140,001.35	0.00384	0.99616	98.90
7.5	33,890,896.90	94,347.65	0.00278	0.99722	98.52
8.5	28,720,687.03	44,801.96	0.00156	0.99844	98.24
9.5	21,533,544.58	22,925.90	0.00106	0.99894	98.09
10.5	20,847,473.55	135,744.56	0.00651	0.99349	97.99
11.5	20,377,789.34	556,372.15	0.02730	0.97270	97.35
12.5	16,953,270.38	197,819.23	0.01167	0.98833	94.69
13.5	16,280,173.64	124,877.70	0.00767	0.99233	93.58
14.5	16,619,192.37	37,142.98	0.00223	0.99777	92.87
15.5	15,119,581.68	362,224.59	0.02396	0.97604	92.66
16.5	13,774,543.86	343,756.94	0.02496	0.97504	90.44
17.5	12,733,358.75	137,015.38	0.01076	0.98924	88.18
18.5	10,094,337.88	53,845.32	0.00533	0.99467	87.23
19.5	9,650,602.26	23,001.45	0.00238	0.99762	86.77
20.5	8,776,296.18	20,836.61	0.00237	0.99763	86.56
21.5	7,698,472.40	102,796.67	0.01335	0.98665	86.36
22.5	7,444,649.28	162,649.06	0.02185	0.97815	85.20
23.5	6,430,480.65	32,455.75	0.00505	0.99495	83.34
24.5	4,546,601.57	1,824.22	0.00040	0.99960	82.92
25.5	2,954,639.10	11,805.97	0.00400	0.99600	82.89
26.5	2,291,702.27	0.00	0.00000	1.00000	82.56
27.5	2,021,747.32	60,711.76	0.03003	0.96997	82.56
28.5	1,141,028.34	0.00	0.00000	1.00000	80.08
29.5	0.00	0.00	0.00000	0.00000	80.08

Scenario: So Cal Gas Actuarial @ 2020

Account: 369-Meas & Reg Station Eq

Placement Band: 1991 - 2020

Observation Band: 1991 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	237,644,452.84	88,122.24	0.00037	0.99963	100.00
0.5	202,488,680.86	145,736.23	0.00072	0.99928	99.96
1.5	147,276,114.25	141,947.07	0.00096	0.99904	99.89
2.5	121,994,593.18	144,188.67	0.00118	0.99882	99.80
3.5	99,630,966.12	82,191.69	0.00082	0.99918	99.68
4.5	79,743,649.41	613,567.97	0.00769	0.99231	99.60
5.5	51,959,889.63	181,301.41	0.00349	0.99651	98.83
6.5	45,339,393.35	177,411.73	0.00391	0.99609	98.48
7.5	42,537,757.77	123,133.93	0.00289	0.99711	98.10
8.5	36,195,787.11	59,303.82	0.00164	0.99836	97.82
9.5	26,966,771.74	70,636.21	0.00262	0.99738	97.66
10.5	24,465,771.21	149,835.94	0.00612	0.99388	97.40
11.5	23,307,891.08	569,343.66	0.02443	0.97557	96.80
12.5	19,549,685.50	197,819.23	0.01012	0.98988	94.44
13.5	17,938,059.67	124,877.70	0.00696	0.99304	93.48
14.5	16,619,192.37	37,142.98	0.00223	0.99777	92.83
15.5	15,119,581.68	362,224.59	0.02396	0.97604	92.62
16.5	13,774,543.86	343,756.94	0.02496	0.97504	90.41
17.5	12,733,358.75	137,015.38	0.01076	0.98924	88.15
18.5	10,094,337.88	53,845.32	0.00533	0.99467	87.20
19.5	9,650,602.26	23,001.45	0.00238	0.99762	86.74
20.5	8,776,296.18	20,836.61	0.00237	0.99763	86.53
21.5	7,698,472.40	102,796.67	0.01335	0.98665	86.32
22.5	7,444,649.28	162,649.06	0.02185	0.97815	85.17
23.5	6,430,480.65	32,455.75	0.00505	0.99495	83.31
24.5	4,546,601.57	1,824.22	0.00040	0.99960	82.89
25.5	2,954,639.10	11,805.97	0.00400	0.99600	82.86
26.5	2,291,702.27	0.00	0.00000	1.00000	82.53
27.5	2,021,747.32	60,711.76	0.03003	0.96997	82.53
28.5	1,141,028.34	0.00	0.00000	1.00000	80.05
29.5	0.00	0.00	0.00000	0.00000	80.05

Actuarial Life Analysis

Account: 369-Meas & Reg Station Eq
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1923 - 1951
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -1951	28.5	24.85	0.23699505	L0	15.51
1948 -1952	29.5	35.61	0.21541686	L0	19.28
1949 -1953	30.5	39.14	0.20528673	L0	21.59
1950 -1954	31.5	39.72	0.22420094	L0	22.53
1951 -1955	32.5	39.87	0.23722196	L0	23.05
1952 -1956	33.5	40.84	0.23504492	L0	24.38
1953 -1957	34.5	33.96	0.30287305	L0	21.83
1954 -1958	35.5	34.11	0.31777255	L0	22.21
1955 -1959	36.5	38.20	0.30359942	L0	24.32
1956 -1960	37.5	37.56	0.31254327	L0	24.81
1957 -1961	38.5	43.39	0.28265978	L0	28.10
1958 -1962	39.5	46.06	0.25014550	L0	30.91
1959 -1963	40.5	48.58	0.23016562	L0	33.25
1960 -1964	41.5	49.05	0.23198044	L0	34.30
1961 -1965	42.5	53.03	0.20164736	L0	38.07
1962 -1966	43.5	49.36	0.23083570	L0	36.26
1963 -1967	44.5	55.85	0.19417585	L0	41.82
1964 -1968	45.5	60.57	0.15421274	R0.5	41.80
1965 -1969	46.5	66.41	0.09977261	R0.5	48.94
1966 -1970	47.5	74.92	0.05146856	R0.5	63.55
1967 -1971	48.5	80.46	0.01676664	R0.5	86.29
1968 -1972	49.5	72.29	0.03020842	R0.5	66.44
1969 -1973	50.5	58.80	0.09969097	R0.5	47.72
1970 -1974	51.5	57.39	0.13658016	L0	51.74
1971 -1975	52.5	53.32	0.19375227	L0	47.33
1972 -1976	53.5	52.29	0.22340543	L0	46.66
1973 -1977	54.5	53.05	0.21687772	L0	48.37
1974 -1978	55.5	61.50	0.13007885	R0.5	52.71
1975 -1979	56.5	64.75	0.10567553	R0.5	57.67
1976 -1980	57.5	65.36	0.09155744	R0.5	60.19
1977 -1981	58.5	62.18	0.10871720	R0.5	57.23
1978 -1982	59.5	62.13	0.10038699	R0.5	58.46
1979 -1983	60.5	59.06	0.13279203	L0	62.68
1980 -1984	61.5	59.40	0.14786299	L0	63.32
1981 -1985	62.5	60.05	0.15065750	R0.5	57.44
1982 -1986	63.5	57.89	0.14936081	L0	63.66
1983 -1987	64.5	43.90	0.21261546	L0	49.13
1984 -1988	65.5	40.20	0.23555120	L0	46.24
1985 -1989	66.5	33.68	0.29121600	L0	41.09
1986 -1990	67.5	34.00	0.31871143	L0	41.37
1987 -1991	68.5	0.04	0.04698035	R0.5	33.26
1988 -1992	69.5	0.17	0.22541360	L0	31.88
1989 -1993	70.5	0.18	0.24563922	R0.5	32.76
1990 -1994	71.5	0.09	0.02563135	R0.5	35.61

Actuarial Life Analysis

Account: 369-Meas & Reg Station Eqt
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1923 - 1995
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum of Squares	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1991 -1995	72.5	0.02	0.25502980	R0.5	32.70
1992 -1996	73.5	28.61	0.52166258	L0	40.69
1993 -1997	74.5	29.25	0.16182210	L0	45.35
1994 -1998	75.5	28.15	0.20169771	L0	44.23
1995 -1999	76.5	30.03	0.32263440	L0	44.53
1996 -2000	77.5	37.59	0.24242614	L0	52.43
1997 -2001	78.5	41.56	0.19219163	L0	57.95
1998 -2002	79.5	52.44	0.18736113	L0	71.85
1999 -2003	80.5	59.38	0.20582629	L0	82.59
2000 -2004	81.5	57.48	0.26089851	L0	80.20
2001 -2005	82.5	60.68	0.21316265	L0	91.31
2002 -2006	83.5	62.03	0.05036122	L0	110.86
2003 -2007	84.5	27.49	0.35732035	L0	53.57
2004 -2008	85.5	29.78	0.45737601	L0	50.24
2005 -2009	86.5	28.58	0.49597486	L0	49.21
2006 -2010	87.5	25.78	0.46689725	L0	50.24
2007 -2011	88.5	23.45	0.69687829	L0	44.41
2008 -2012	89.5	48.76	0.21429632	L0	75.10
2009 -2013	90.5	57.97	0.22701451	L0	89.81
2010 -2014	91.5	60.00	0.36299066	L0	90.41
2011 -2015	92.5	61.94	0.50763404	L0	91.88
2012 -2016	93.5	50.81	0.32867476	L0	78.13
2013 -2017	94.5	52.41	0.47772418	L0	78.49
2014 -2018	95.5	33.97	0.15076476	L0	69.78
2015 -2019	96.5	27.32	0.08592608	L0	65.86
2016 -2020	97.5	23.28	0.11560846	L1	62.48

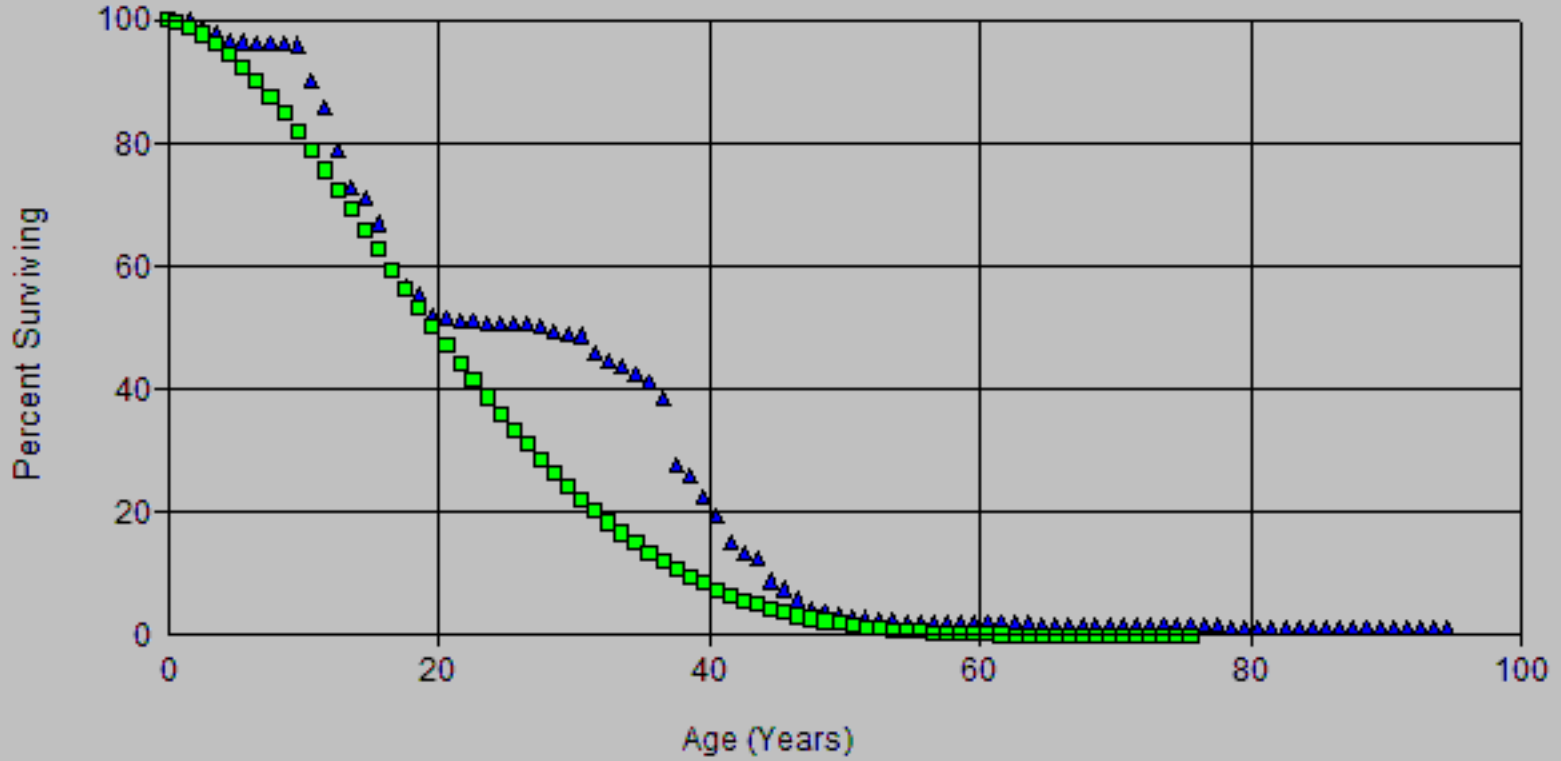
Actuarial Life Analysis

Account: 369-Meas & Reg Station Eqt
 Scenario: So Cal Gas Actuarial @ 2020
 Placement Band: 1923 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1947 -2020	97.5	31.40	0.23645480	L0	61.06
1952 -2020	97.5	31.51	0.22861392	L0	61.33
1957 -2020	97.5	31.64	0.21787192	L0	61.73
1962 -2020	97.5	31.85	0.20316126	L0	62.27
1967 -2020	97.5	32.06	0.18986501	L0	62.78
1972 -2020	97.5	31.87	0.19947028	L0	62.36
1977 -2020	97.5	32.00	0.18986881	L0	62.76
1982 -2020	97.5	31.79	0.19875124	L0	62.34
1987 -2020	97.5	31.58	0.20613859	L0	62.03
1992 -2020	97.5	34.14	0.19779197	L0	65.28
1997 -2020	97.5	35.72	0.14221360	L0	68.78
2002 -2020	97.5	36.82	0.13533915	L0	70.66
2007 -2020	97.5	33.41	0.23661347	L0	64.75
2012 -2020	97.5	37.74	0.06116342	L0	79.27
2017 -2020	97.5	29.65	0.18881041	R1.5	69.36

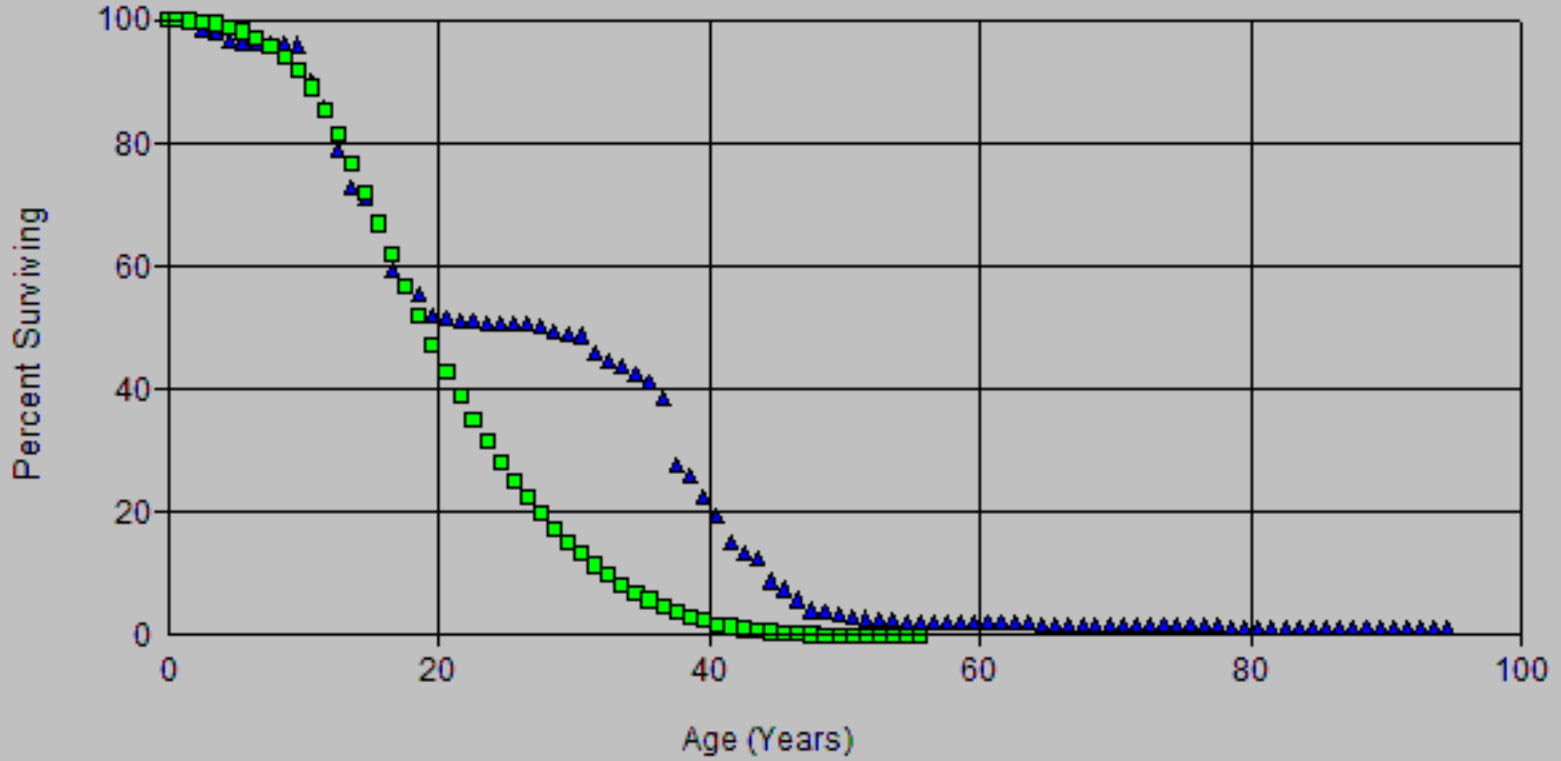
Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L0.5 21.00



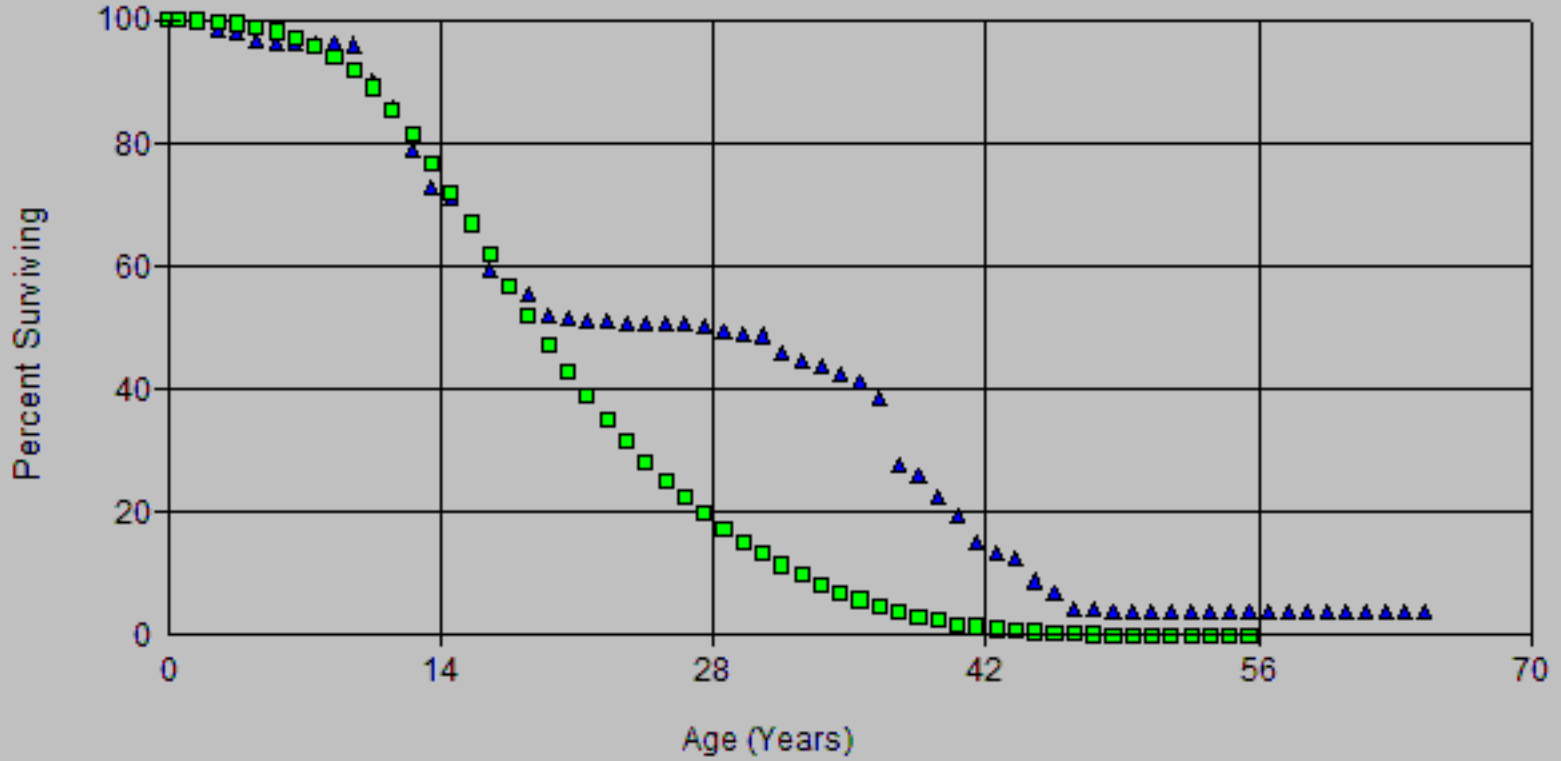
Account: 37.00-Other Eqt Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L2 20.00



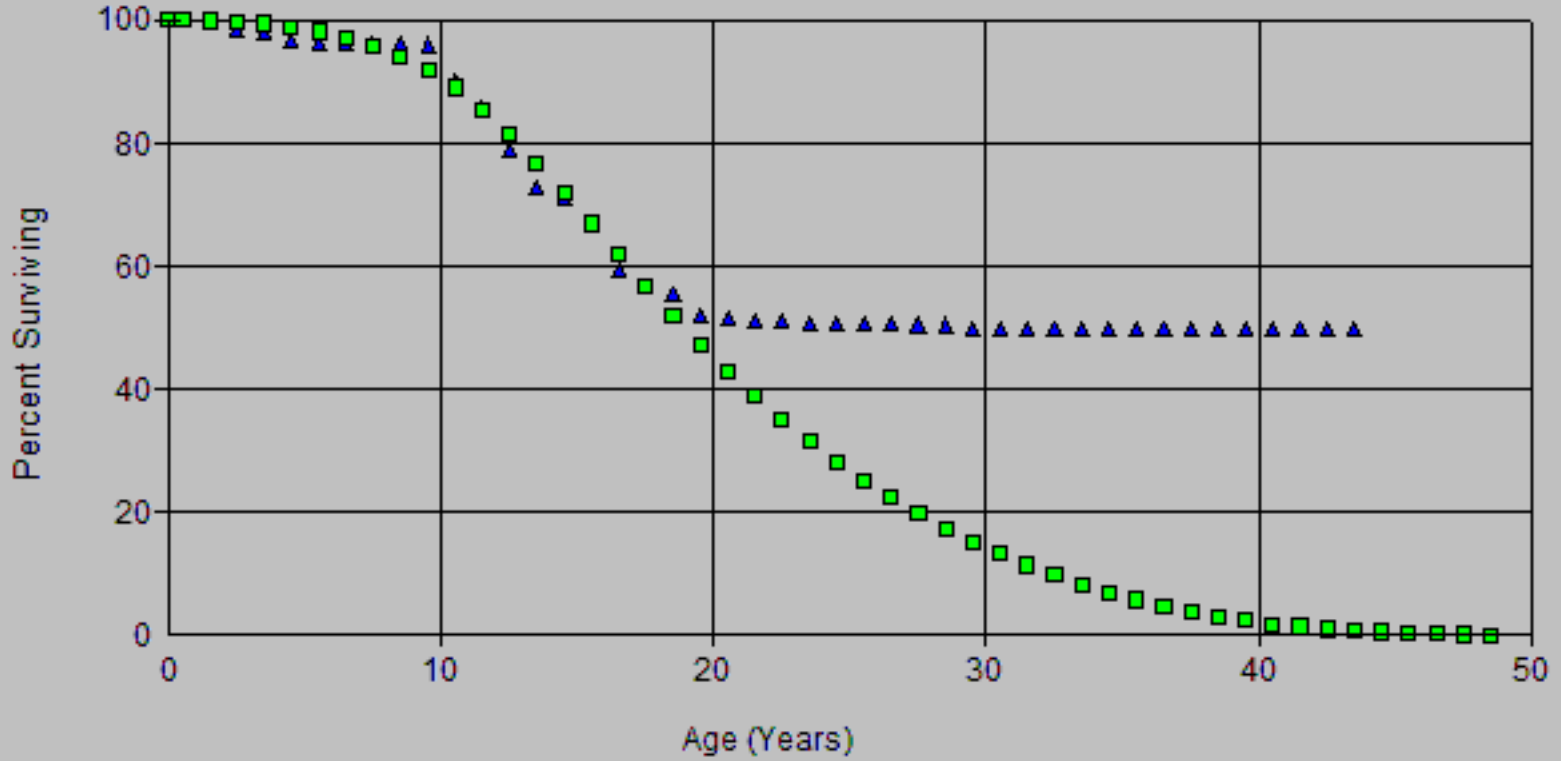
Account: 37 - Other Eqt Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ L2 20.00



Account: 37 - Other Eqt Scenario: So California Gas Actuarial @ 2020

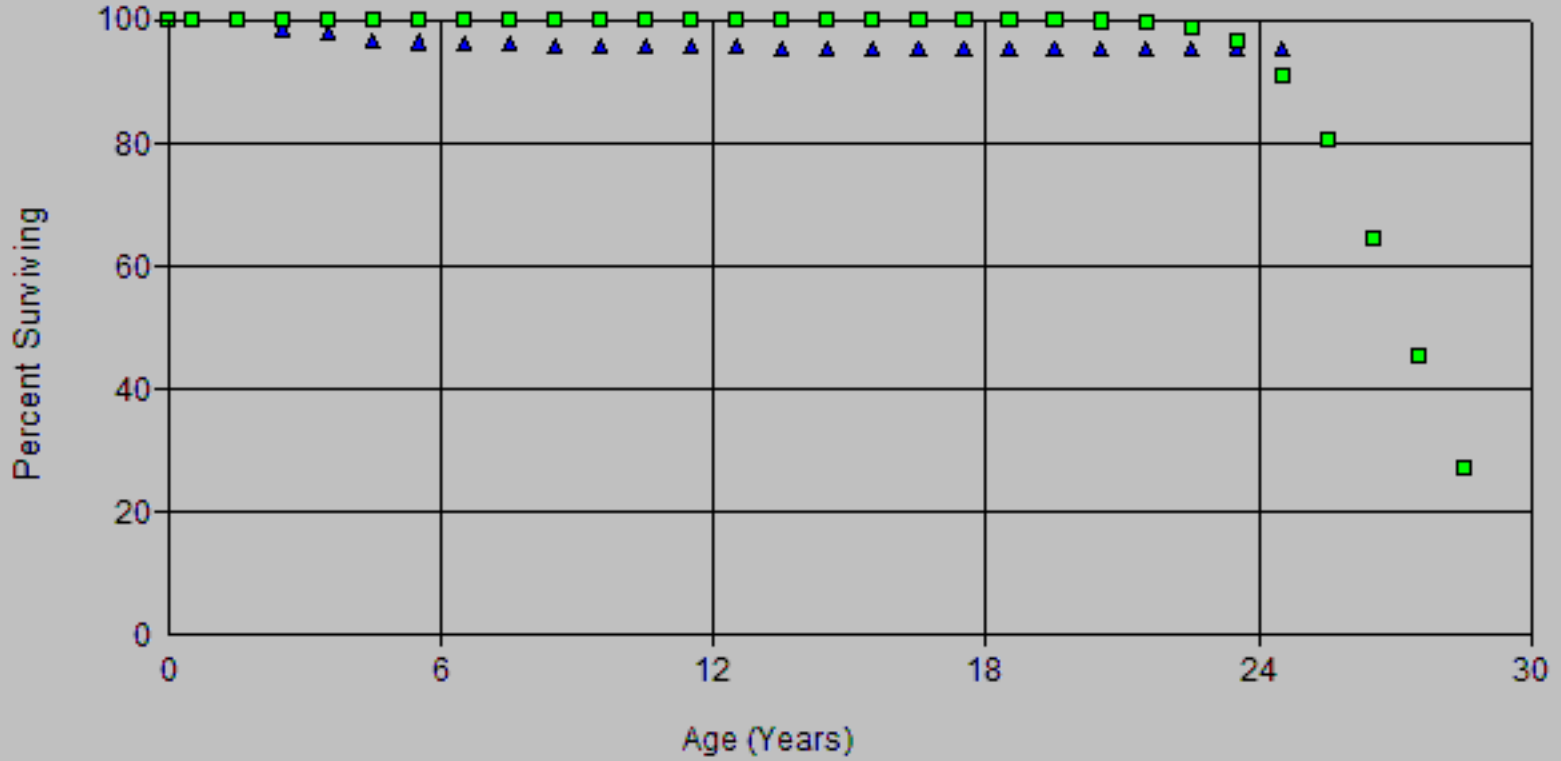
▲ Actual Data ■ L2 20.00



Account: 37.1x-Other Eqt

Scenario: So California Gas Actuarial @ 2020

▲ Actual Data ■ S6 27.00



Scenario: So California Gas Actuarial @ 2020

Account: 371x-Other Eq

Placement Band: 1926 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	9,240,955.22	0.00	0.00000	1.00000	100.00
0.5	7,700,746.33	0.00	0.00000	1.00000	100.00
1.5	5,650,250.33	74,352.93	0.01316	0.98684	100.00
2.5	4,942,051.61	27,732.75	0.00561	0.99439	98.68
3.5	4,070,868.36	54,781.48	0.01346	0.98654	98.13
4.5	3,545,358.63	11,467.55	0.00323	0.99677	96.81
5.5	2,875,185.75	1,532.36	0.00053	0.99947	96.50
6.5	3,192,038.65	0.00	0.00000	1.00000	96.45
7.5	3,363,486.48	9,512.29	0.00283	0.99717	96.45
8.5	3,365,365.77	1,042.86	0.00031	0.99969	96.17
9.5	3,577,774.26	218,493.33	0.06107	0.93893	96.14
10.5	4,120,245.06	203,612.68	0.04942	0.95058	90.27
11.5	4,046,494.05	320,846.40	0.07929	0.92071	85.81
12.5	4,076,845.95	315,159.02	0.07730	0.92270	79.01
13.5	3,856,090.38	92,757.50	0.02405	0.97595	72.90
14.5	3,816,865.25	222,351.22	0.05825	0.94175	71.15
15.5	2,462,279.80	278,564.17	0.11313	0.88687	67.00
16.5	2,327,458.34	106,433.70	0.04573	0.95427	59.42
17.5	2,168,901.34	42,176.87	0.01945	0.98055	56.71
18.5	2,164,703.14	139,094.24	0.06426	0.93574	55.60
19.5	1,957,115.19	17,503.20	0.00894	0.99106	52.03
20.5	1,784,260.11	9,488.83	0.00532	0.99468	51.56
21.5	1,775,174.48	941.65	0.00053	0.99947	51.29
22.5	1,675,360.11	11,322.30	0.00676	0.99324	51.26
23.5	1,619,188.88	3,025.91	0.00187	0.99813	50.92
24.5	1,608,865.74	5,188.61	0.00323	0.99677	50.82
25.5	1,609,109.27	3,498.67	0.00217	0.99783	50.66
26.5	1,494,973.18	11,116.41	0.00744	0.99256	50.55
27.5	1,124,010.31	13,301.72	0.01183	0.98817	50.17
28.5	1,097,282.00	14,000.91	0.01276	0.98724	49.58
29.5	1,070,178.28	4,220.72	0.00394	0.99606	48.94
30.5	1,071,847.68	59,937.49	0.05592	0.94408	48.75
31.5	503,311.94	16,662.40	0.03311	0.96689	46.03
32.5	445,813.01	8,500.03	0.01907	0.98093	44.50
33.5	387,525.84	10,293.37	0.02656	0.97344	43.65
34.5	282,427.60	7,953.92	0.02816	0.97184	42.49
35.5	286,927.74	20,000.81	0.06971	0.93029	41.30
36.5	251,187.89	70,344.85	0.28005	0.71995	38.42
37.5	159,133.90	9,359.06	0.05881	0.94119	27.66
38.5	107,422.86	14,460.94	0.13462	0.86538	26.03
39.5	74,496.79	9,764.50	0.13107	0.86893	22.53
40.5	75,237.51	16,734.75	0.22243	0.77757	19.57
41.5	97,401.25	10,479.06	0.10759	0.89241	15.22
42.5	109,617.51	9,158.26	0.08355	0.91645	13.58
43.5	124,193.32	35,850.92	0.28867	0.71133	12.45
44.5	121,122.74	18,256.70	0.15073	0.84927	8.85
45.5	118,095.48	27,746.25	0.23495	0.76505	7.52
46.5	97,339.62	27,571.13	0.28325	0.71675	5.75
47.5	79,167.21	8,756.85	0.11061	0.88939	4.12
48.5	79,802.34	5,927.33	0.07428	0.92572	3.67
49.5	76,233.99	7,862.08	0.10313	0.89687	3.40
50.5	71,042.72	7,086.35	0.09975	0.90025	3.05
51.5	104,543.22	4,551.01	0.04353	0.95647	2.74
52.5	103,019.81	2,874.28	0.02761	0.96239	2.62

Scenario: So California Gas Actuarial @ 2020

Account: 371x-Other Eq

Placement Band: 1926 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	102,510.49	10,750.35	0.10487	0.89513	2.52
54.5	91,067.98	3,421.00	0.03757	0.96243	2.26
55.5	87,222.55	3,570.81	0.04094	0.95906	2.17
56.5	85,138.63	1,008.75	0.01185	0.98815	2.08
57.5	83,683.31	652.45	0.00780	0.99220	2.06
58.5	90,343.96	493.00	0.00546	0.99454	2.04
59.5	90,307.77	734.54	0.00813	0.99187	2.03
60.5	90,245.44	1,371.00	0.01519	0.98481	2.02
61.5	89,477.48	484.00	0.00541	0.99459	1.98
62.5	80,951.35	1,259.00	0.01555	0.98445	1.97
63.5	76,175.34	1,950.00	0.02560	0.97440	1.94
64.5	75,633.06	1,790.56	0.02367	0.97633	1.89
65.5	71,159.26	878.00	0.01234	0.98766	1.85
66.5	61,614.63	5,223.32	0.08477	0.91523	1.82
67.5	52,055.29	0.00	0.00000	1.00000	1.67
68.5	50,538.08	0.00	0.00000	1.00000	1.67
69.5	49,964.97	0.00	0.00000	1.00000	1.67
70.5	48,564.63	0.00	0.00000	1.00000	1.67
71.5	46,936.38	0.00	0.00000	1.00000	1.67
72.5	13,098.82	0.00	0.00000	1.00000	1.67
73.5	10,467.59	0.00	0.00000	1.00000	1.67
74.5	10,467.59	0.00	0.00000	1.00000	1.67
75.5	10,467.59	0.00	0.00000	1.00000	1.67
76.5	10,467.59	0.00	0.00000	1.00000	1.67
77.5	10,368.26	2,566.11	0.24750	0.75250	1.67
78.5	7,802.15	0.00	0.00000	1.00000	1.26
79.5	1,564.75	0.00	0.00000	1.00000	1.26
80.5	1,529.75	0.00	0.00000	1.00000	1.26
81.5	895.57	0.00	0.00000	1.00000	1.26
82.5	895.57	0.00	0.00000	1.00000	1.26
83.5	690.53	0.00	0.00000	1.00000	1.26
84.5	646.92	0.00	0.00000	1.00000	1.26
85.5	646.92	0.00	0.00000	1.00000	1.26
86.5	646.92	0.00	0.00000	1.00000	1.26
87.5	646.92	0.00	0.00000	1.00000	1.26
88.5	604.03	0.00	0.00000	1.00000	1.26
89.5	604.03	0.00	0.00000	1.00000	1.26
90.5	604.03	0.00	0.00000	1.00000	1.26
91.5	604.03	0.00	0.00000	1.00000	1.26
92.5	604.03	0.00	0.00000	1.00000	1.26
93.5	604.03	0.00	0.00000	1.00000	1.26
94.5	0.00	0.00	0.00000	0.00000	1.26

Scenario: So California Gas Actuarial @ 2020

Account: 371x-Other Eq

Placement Band: 1956 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	9,240,955.22	0.00	0.00000	1.00000	100.00
0.5	7,700,746.33	0.00	0.00000	1.00000	100.00
1.5	5,650,250.33	74,352.93	0.01316	0.98684	100.00
2.5	4,942,051.61	27,732.75	0.00561	0.99439	98.68
3.5	4,070,868.36	54,781.48	0.01346	0.98654	98.13
4.5	3,545,358.63	11,467.55	0.00323	0.99677	96.81
5.5	2,875,185.75	1,532.36	0.00053	0.99947	96.50
6.5	3,192,038.65	0.00	0.00000	1.00000	96.45
7.5	3,363,486.48	9,512.29	0.00283	0.99717	96.45
8.5	3,365,365.77	1,042.86	0.00031	0.99969	96.17
9.5	3,577,774.26	218,493.33	0.06107	0.93893	96.14
10.5	4,120,245.06	203,612.68	0.04942	0.95058	90.27
11.5	4,046,494.05	320,846.40	0.07929	0.92071	85.81
12.5	4,076,845.95	315,159.02	0.07730	0.92270	79.01
13.5	3,856,090.38	92,757.50	0.02405	0.97595	72.90
14.5	3,816,865.25	222,351.22	0.05825	0.94175	71.15
15.5	2,462,279.80	278,564.17	0.11313	0.88687	67.00
16.5	2,327,458.34	106,433.70	0.04573	0.95427	59.42
17.5	2,168,901.34	42,176.87	0.01945	0.98055	56.71
18.5	2,164,703.14	139,094.24	0.06426	0.93574	55.60
19.5	1,957,115.19	17,503.20	0.00894	0.99106	52.03
20.5	1,784,260.11	9,488.83	0.00532	0.99468	51.56
21.5	1,775,174.48	941.65	0.00053	0.99947	51.29
22.5	1,675,360.11	11,322.30	0.00676	0.99324	51.26
23.5	1,619,188.88	3,025.91	0.00187	0.99813	50.92
24.5	1,608,865.74	5,188.61	0.00323	0.99677	50.82
25.5	1,609,109.27	3,498.67	0.00217	0.99783	50.66
26.5	1,494,973.18	11,116.41	0.00744	0.99256	50.55
27.5	1,124,010.31	13,301.72	0.01183	0.98817	50.17
28.5	1,097,282.00	14,000.91	0.01276	0.98724	49.58
29.5	1,070,178.28	4,220.72	0.00394	0.99606	48.94
30.5	1,071,847.68	59,937.49	0.05592	0.94408	48.75
31.5	503,311.94	16,662.40	0.03311	0.96689	46.03
32.5	445,813.01	8,500.03	0.01907	0.98093	44.50
33.5	387,525.84	10,293.37	0.02656	0.97344	43.65
34.5	282,427.60	7,953.92	0.02816	0.97184	42.49
35.5	286,927.74	20,000.81	0.06971	0.93029	41.30
36.5	251,187.89	70,344.85	0.28005	0.71995	38.42
37.5	159,133.90	9,359.06	0.05881	0.94119	27.66
38.5	107,422.86	14,460.94	0.13462	0.86538	26.03
39.5	74,496.79	9,764.50	0.13107	0.86893	22.53
40.5	75,237.51	16,734.75	0.22243	0.77757	19.57
41.5	97,401.25	10,479.06	0.10759	0.89241	15.22
42.5	109,617.51	9,158.26	0.08355	0.91645	13.58
43.5	124,193.32	35,850.92	0.28867	0.71133	12.45
44.5	88,342.40	18,256.70	0.20666	0.79334	8.85
45.5	70,085.70	27,746.25	0.39589	0.60411	7.02
46.5	39,023.60	0.00	0.00000	1.00000	4.24
47.5	38,896.22	2,194.04	0.05641	0.94359	4.24
48.5	35,868.59	0.00	0.00000	1.00000	4.00
49.5	29,492.87	0.00	0.00000	1.00000	4.00
50.5	29,326.86	0.00	0.00000	1.00000	4.00
51.5	27,969.41	0.00	0.00000	1.00000	4.00
52.5	24,340.75	0.00	0.00000	1.00000	4.00

Scenario: So California Gas Actuarial @ 2020

Account: 371x-Other Eq

Placement Band: 1956 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	24,281.71	0.00	0.00000	1.00000	4.00
54.5	22,580.80	0.00	0.00000	1.00000	4.00
55.5	21,503.92	0.00	0.00000	1.00000	4.00
56.5	21,503.92	0.00	0.00000	1.00000	4.00
57.5	20,322.81	0.00	0.00000	1.00000	4.00
58.5	19,731.19	0.00	0.00000	1.00000	4.00
59.5	19,669.00	0.00	0.00000	1.00000	4.00
60.5	18,448.03	0.00	0.00000	1.00000	4.00
61.5	17,101.07	0.00	0.00000	1.00000	4.00
62.5	7,957.90	0.00	0.00000	1.00000	4.00
63.5	3,519.28	0.00	0.00000	1.00000	4.00
64.5	0.00	0.00	0.00000	0.00000	4.00

Scenario: So California Gas Actuarial @ 2020

Account: 371x-Other Eq

Placement Band: 1976 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	9,240,955.22	0.00	0.00000	1.00000	100.00
0.5	7,700,746.33	0.00	0.00000	1.00000	100.00
1.5	5,650,250.33	74,352.93	0.01316	0.98684	100.00
2.5	4,942,051.61	27,732.75	0.00561	0.99439	98.68
3.5	4,070,868.36	54,781.48	0.01346	0.98654	98.13
4.5	3,545,358.63	11,467.55	0.00323	0.99677	96.81
5.5	2,875,185.75	1,532.36	0.00053	0.99947	96.50
6.5	3,192,038.65	0.00	0.00000	1.00000	96.45
7.5	3,363,486.48	9,512.29	0.00283	0.99717	96.45
8.5	3,365,365.77	1,042.86	0.00031	0.99969	96.17
9.5	3,577,774.26	218,493.33	0.06107	0.93893	96.14
10.5	4,120,245.06	203,612.68	0.04942	0.95058	90.27
11.5	4,046,494.05	320,846.40	0.07929	0.92071	85.81
12.5	4,076,845.95	315,159.02	0.07730	0.92270	79.01
13.5	3,856,090.38	92,757.50	0.02405	0.97595	72.90
14.5	3,816,865.25	222,351.22	0.05825	0.94175	71.15
15.5	2,462,279.80	278,564.17	0.11313	0.88687	67.00
16.5	2,327,458.34	106,433.70	0.04573	0.95427	59.42
17.5	2,168,901.34	42,176.87	0.01945	0.98055	56.71
18.5	2,164,703.14	139,094.24	0.06426	0.93574	55.60
19.5	1,957,115.19	17,503.20	0.00894	0.99106	52.03
20.5	1,784,260.11	9,488.83	0.00532	0.99468	51.56
21.5	1,775,174.48	941.65	0.00053	0.99947	51.29
22.5	1,675,360.11	11,322.30	0.00676	0.99324	51.26
23.5	1,619,188.88	3,025.91	0.00187	0.99813	50.92
24.5	1,596,703.93	5,188.61	0.00325	0.99675	50.82
25.5	1,578,981.17	3,498.67	0.00222	0.99778	50.66
26.5	1,464,480.92	942.89	0.00064	0.99936	50.54
27.5	1,099,985.98	0.00	0.00000	1.00000	50.51
28.5	1,020,246.18	13,764.13	0.01349	0.98651	50.51
29.5	976,550.83	0.00	0.00000	1.00000	49.83
30.5	971,576.91	0.00	0.00000	1.00000	49.83
31.5	448,336.08	0.00	0.00000	1.00000	49.83
32.5	399,486.59	0.00	0.00000	1.00000	49.83
33.5	326,907.63	0.00	0.00000	1.00000	49.83
34.5	160,681.03	0.00	0.00000	1.00000	49.83
35.5	157,880.43	0.00	0.00000	1.00000	49.83
36.5	127,757.43	0.00	0.00000	1.00000	49.83
37.5	95,772.46	0.00	0.00000	1.00000	49.83
38.5	36,623.54	0.00	0.00000	1.00000	49.83
39.5	7,731.46	0.00	0.00000	1.00000	49.83
40.5	7,731.46	0.00	0.00000	1.00000	49.83
41.5	7,731.46	0.00	0.00000	1.00000	49.83
42.5	7,731.46	0.00	0.00000	1.00000	49.83
43.5	0.00	0.00	0.00000	1.00000	49.83

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 371x-Other Eq

Placement Band: 1996 - 2020

Observation Band: 2000 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	9,240,955.22	0.00	0.00000	1.00000	100.00
0.5	7,700,746.33	0.00	0.00000	1.00000	100.00
1.5	5,650,250.33	74,352.93	0.01316	0.98684	100.00
2.5	4,942,051.61	27,732.75	0.00561	0.99439	98.68
3.5	4,070,868.36	54,781.48	0.01346	0.98654	98.13
4.5	3,532,824.48	11,467.55	0.00325	0.99675	96.81
5.5	2,751,650.02	1,532.36	0.00056	0.99944	96.49
6.5	2,697,971.37	0.00	0.00000	1.00000	96.44
7.5	2,571,720.78	9,512.29	0.00370	0.99630	96.44
8.5	2,357,739.37	1,042.86	0.00044	0.99956	96.08
9.5	2,311,163.77	534.71	0.00023	0.99977	96.04
10.5	2,264,006.42	0.00	0.00000	1.00000	96.02
11.5	2,214,150.40	0.00	0.00000	1.00000	96.02
12.5	2,188,324.10	13,769.22	0.00629	0.99371	96.02
13.5	1,783,066.93	0.00	0.00000	1.00000	95.42
14.5	1,736,279.79	0.00	0.00000	1.00000	95.42
15.5	540,058.58	0.00	0.00000	1.00000	95.42
16.5	540,058.58	0.00	0.00000	1.00000	95.42
17.5	411,283.16	0.00	0.00000	1.00000	95.42
18.5	411,283.16	0.00	0.00000	1.00000	95.42
19.5	341,847.80	0.00	0.00000	1.00000	95.42
20.5	184,965.29	0.00	0.00000	1.00000	95.42
21.5	182,157.32	0.00	0.00000	1.00000	95.42
22.5	68,749.53	0.00	0.00000	1.00000	95.42
23.5	19,459.04	0.00	0.00000	1.00000	95.42
24.5	0.00	0.00	0.00000	0.00000	95.42

Actuarial Life Analysis

Account: 371x-Other Eq
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1926 - 2004
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2000 -2004	78.5	0.00	0.07391552	L2.5	13.20
2001 -2005	79.5	0.00	0.08268399	L2.5	12.90
2002 -2006	80.5	0.00	0.10266085	L2.5	11.94
2003 -2007	81.5	46.22	0.65751269	L0	58.54
2004 -2008	82.5	2.97	0.40290244	L2.5	43.69
2005 -2009	83.5	0.00	0.73816148	L3	44.23
2006 -2010	84.5	0.33	0.66808802	L3	48.75
2007 -2011	85.5	0.03	0.57461833	L4	43.46
2008 -2012	86.5	0.18	0.54376425	R1.5	40.65
2009 -2013	87.5	79.87	0.46672004	R0.5	110.53
2010 -2014	88.5	77.25	0.76618128	R0.5	97.85
2011 -2015	89.5	86.60	0.28400577	R0.5	155.69
2012 -2016	90.5	95.67	0.01957408	R1.5	287.79
2013 -2017	91.5	75.52	0.30445429	R0.5	112.01
2014 -2018	92.5	61.21	0.61066806	L0	93.54
2015 -2019	93.5	81.18	0.13730153	R0.5	159.25
2016 -2020	94.5	82.00	0.13673278	R0.5	171.86

Actuarial Life Analysis

Account: 371x-Other Eq
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1926 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

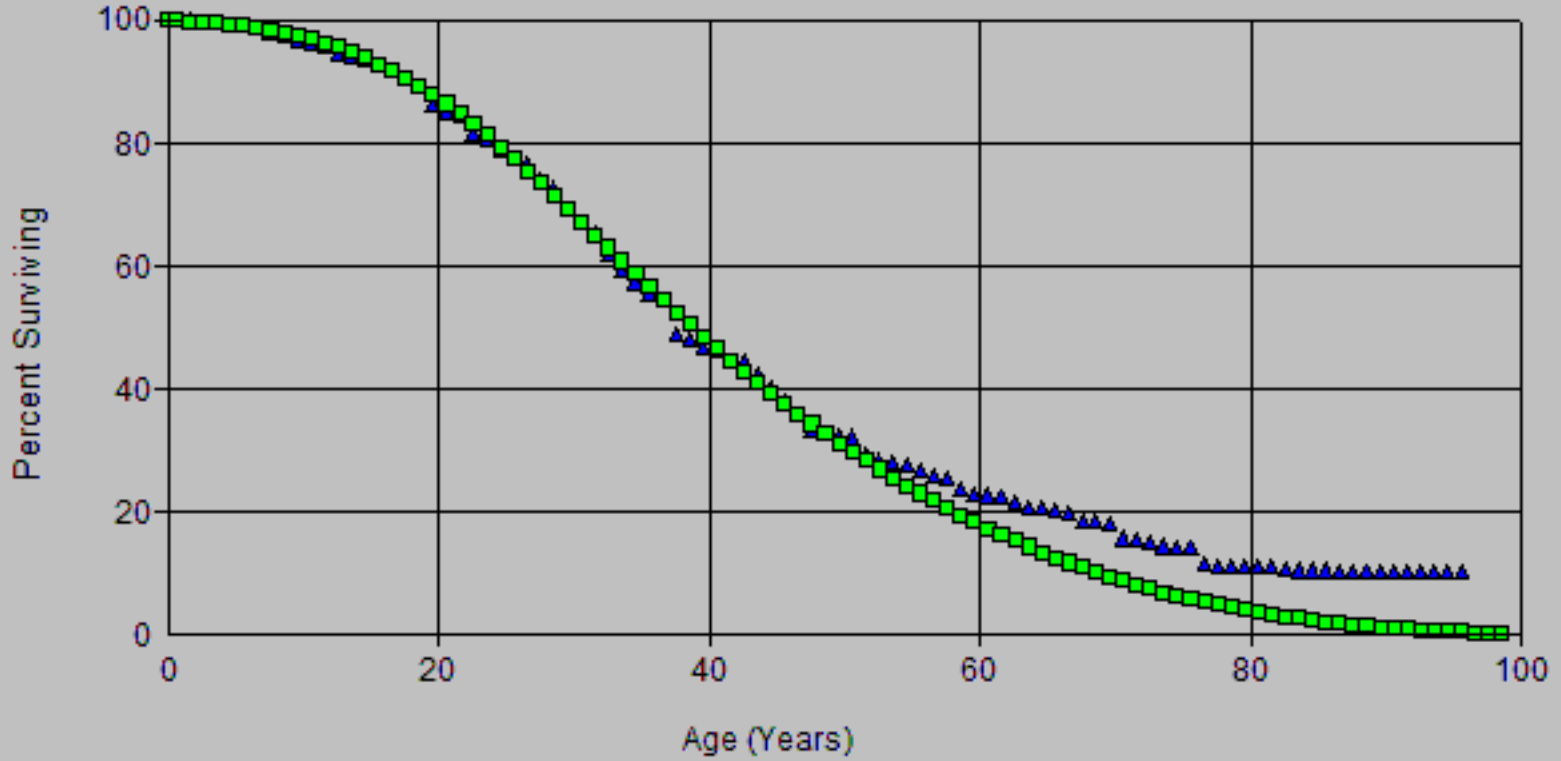
Observation Band	<u>Censoring</u>		Error Sum of Squares	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
2000 -2020	94.5	1.26	0.26434228	R0.5	27.28
2005 -2020	94.5	39.87	0.33041349	L0.5	79.59
2010 -2020	94.5	86.83	0.06554209	R0.5	206.28
2015 -2020	94.5	82.22	0.13395724	R0.5	174.15
2020 -2020		1.00			

SoCalGas
2024 GRC - APP
Deprecation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ L1.5 41.00

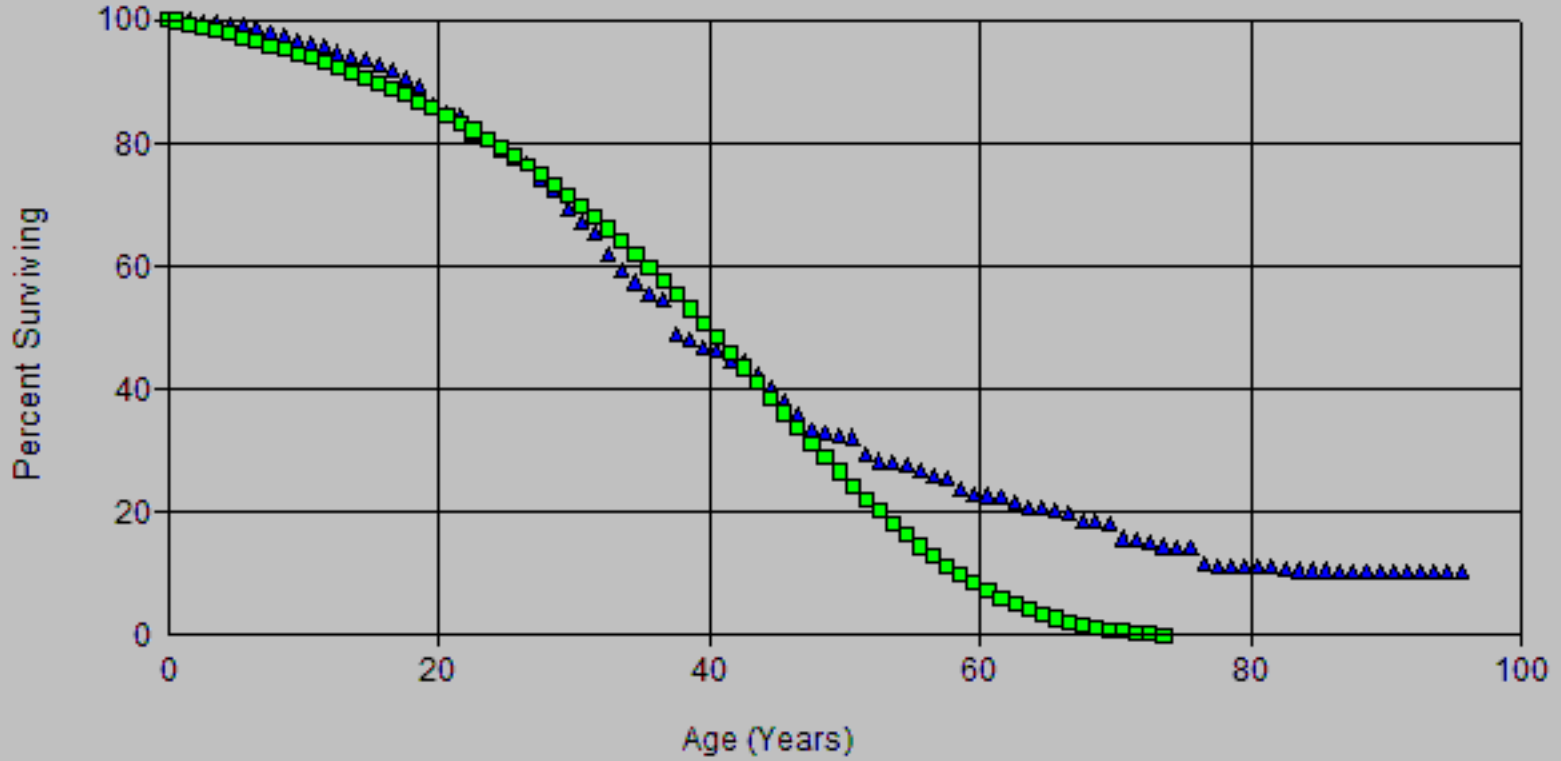


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ R1.5 38.00

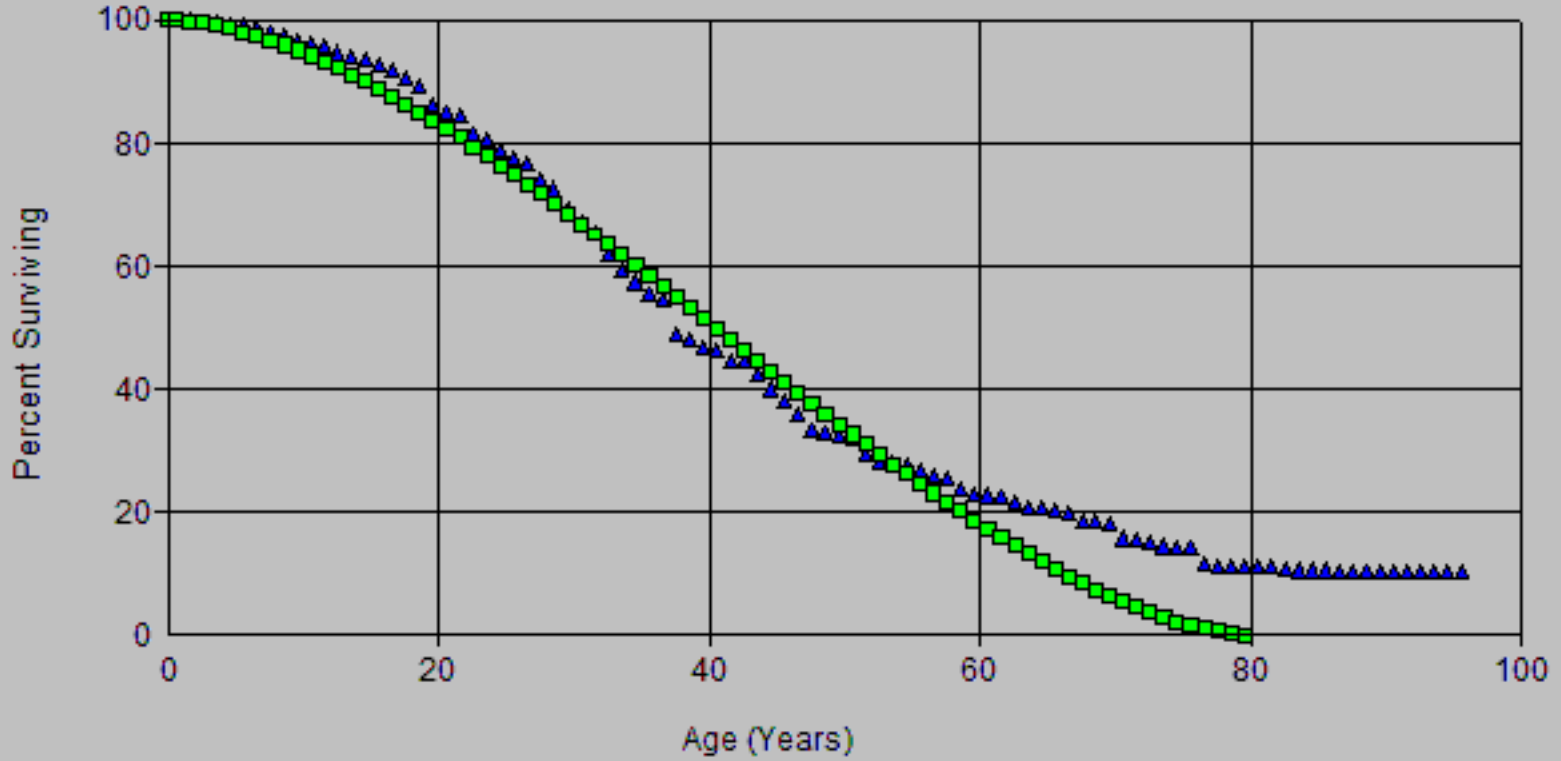


SoCalGas
2024 GRC - APP
Deprecation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ S0 40.00

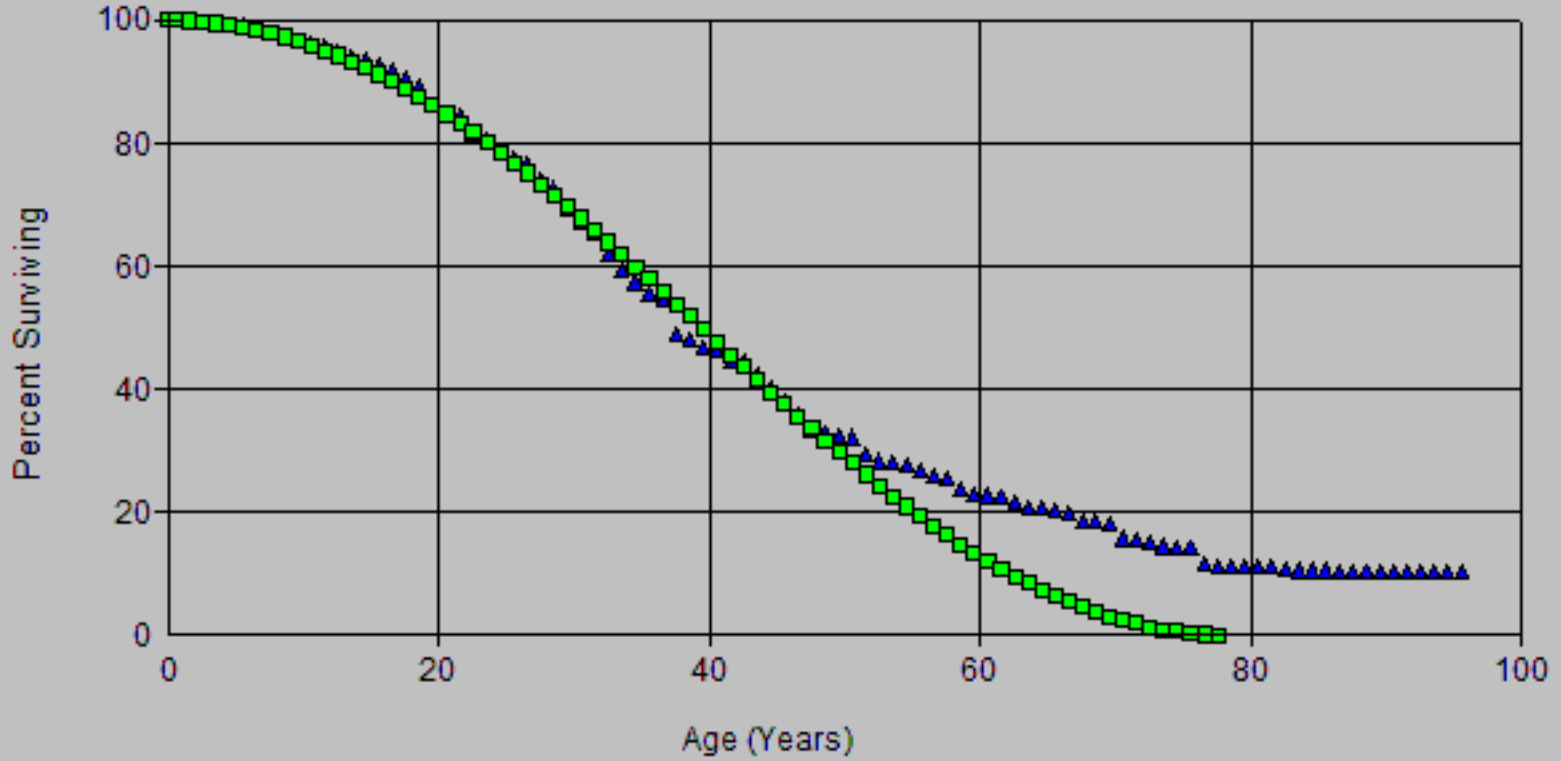


Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data

■ S0.5 39.00

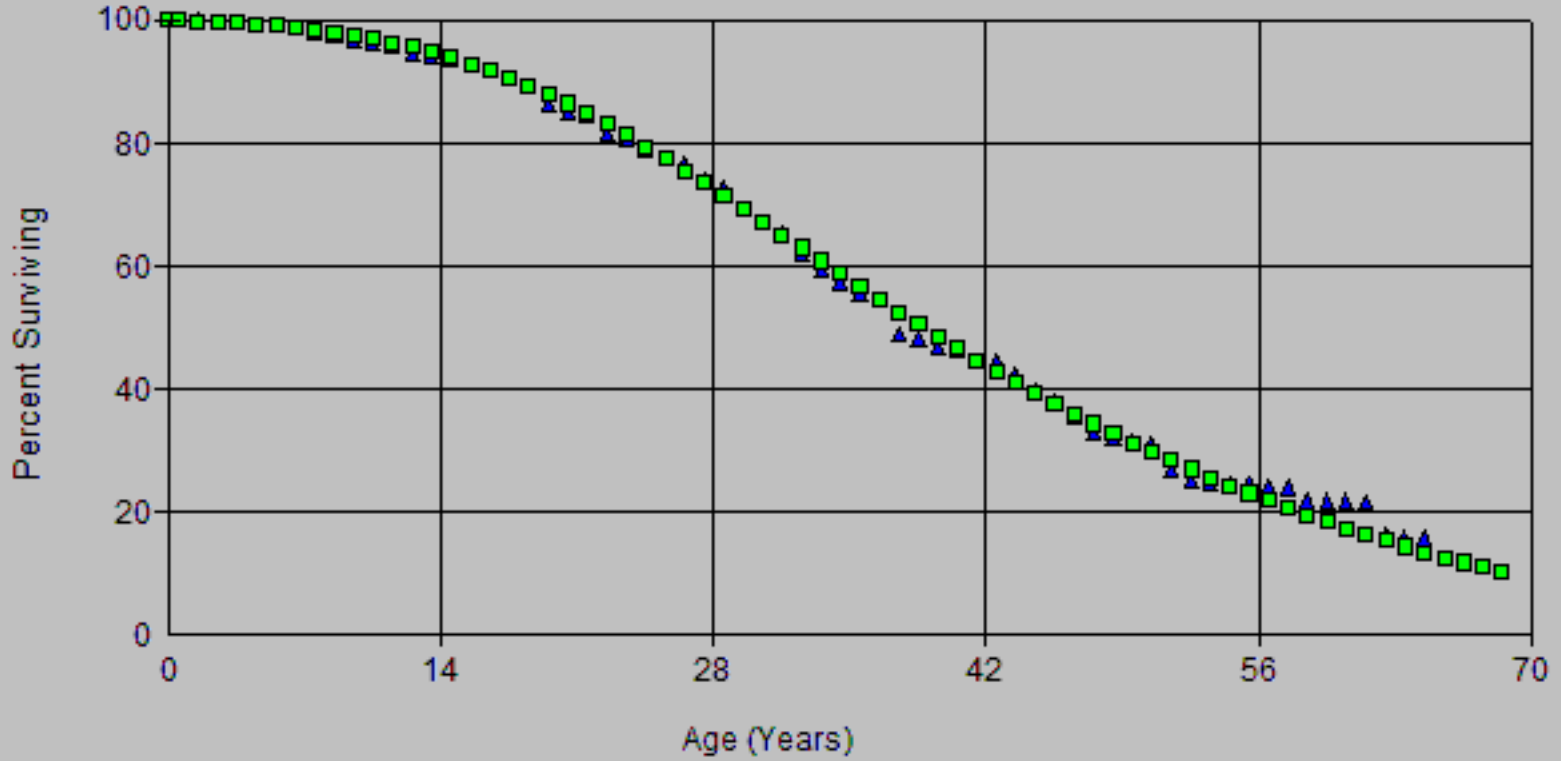


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2024 GRC - APP
Deprecation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ L1.5 41.00

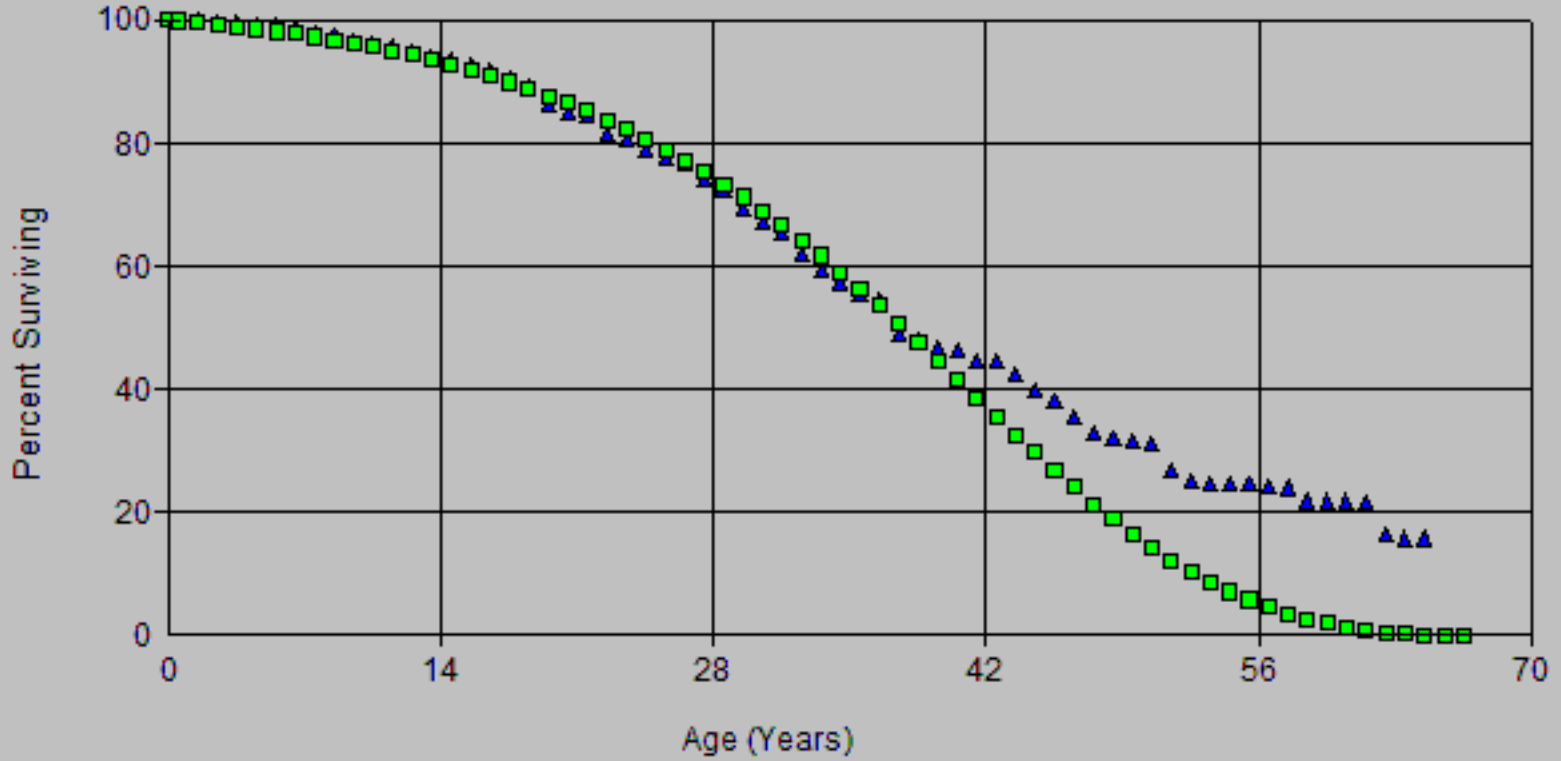


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2024 GRC - APP
Deprecation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ R2 36.00

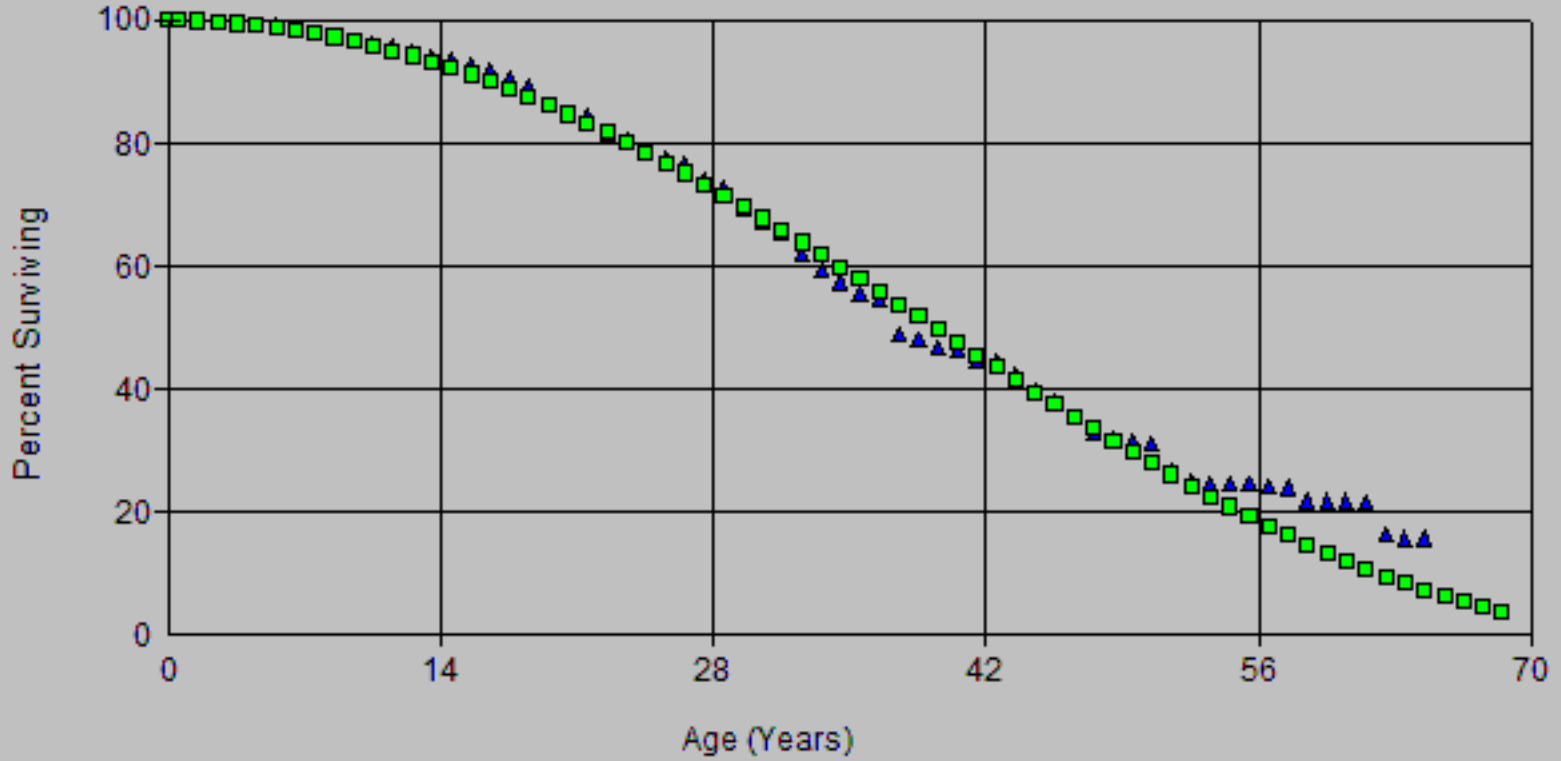


SoCalGas
2024 GRC - APP
Deprecation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ S0.5 39.00

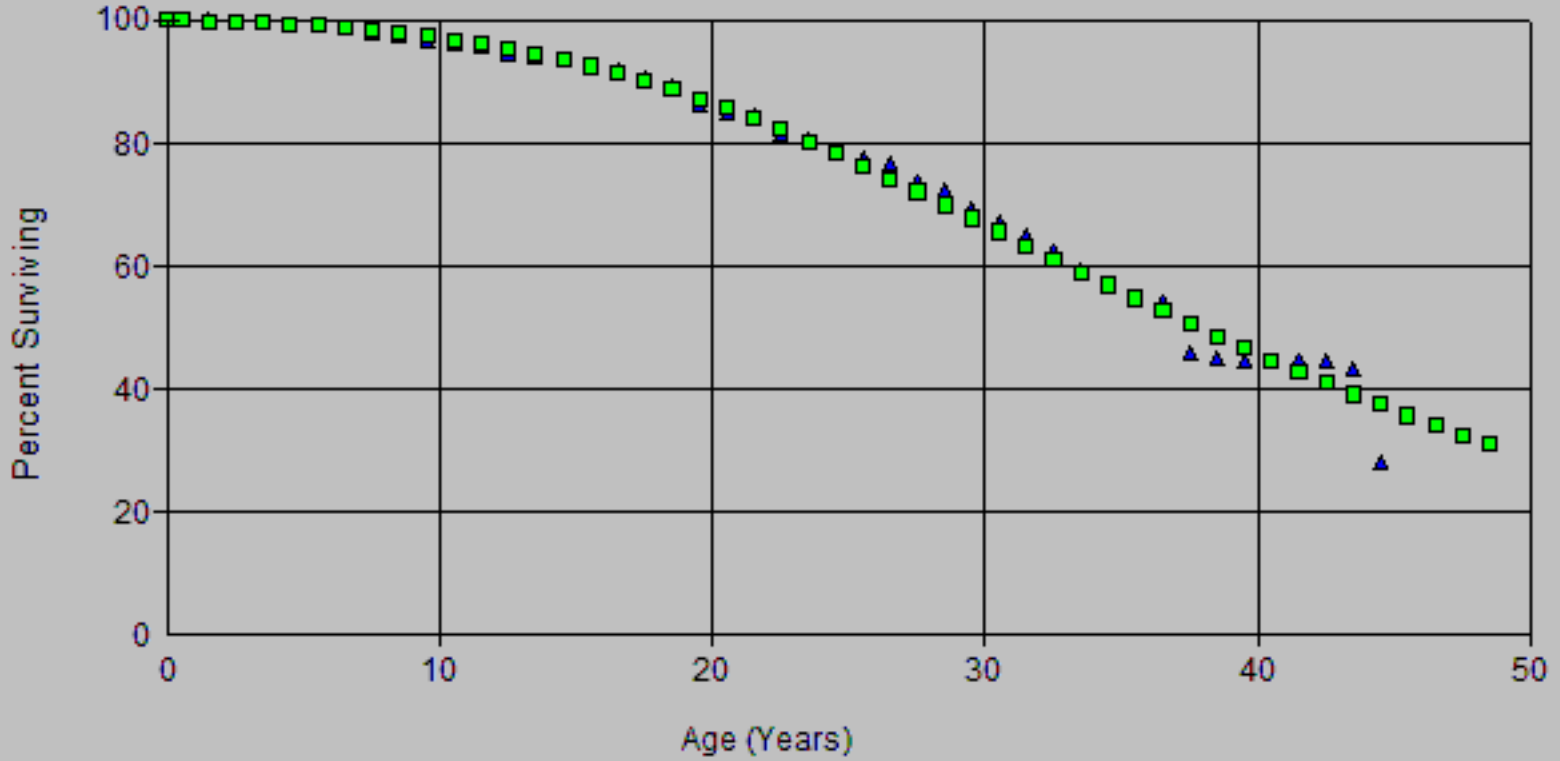


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ L1.5 40.00

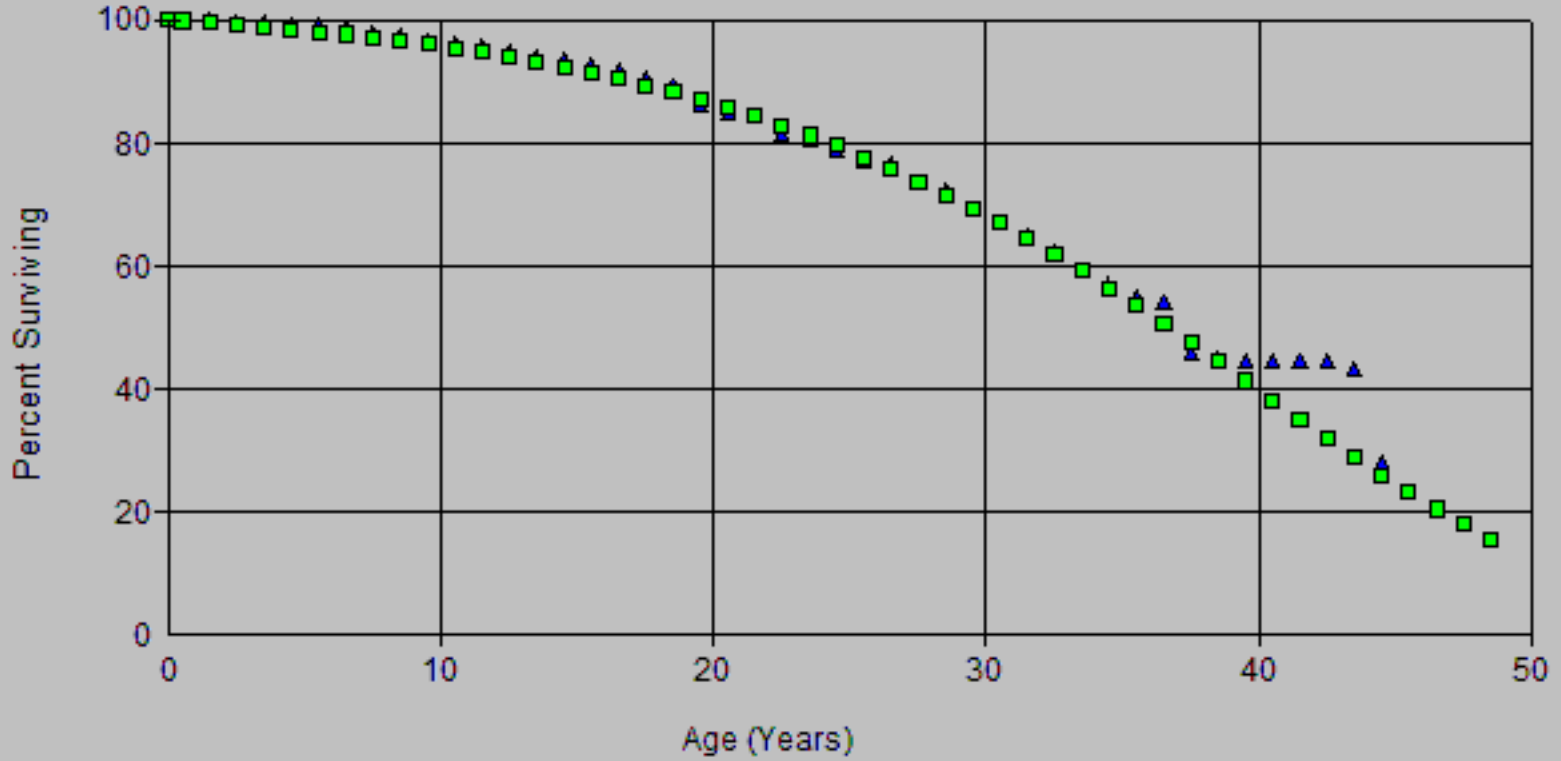


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Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ R2 35.00

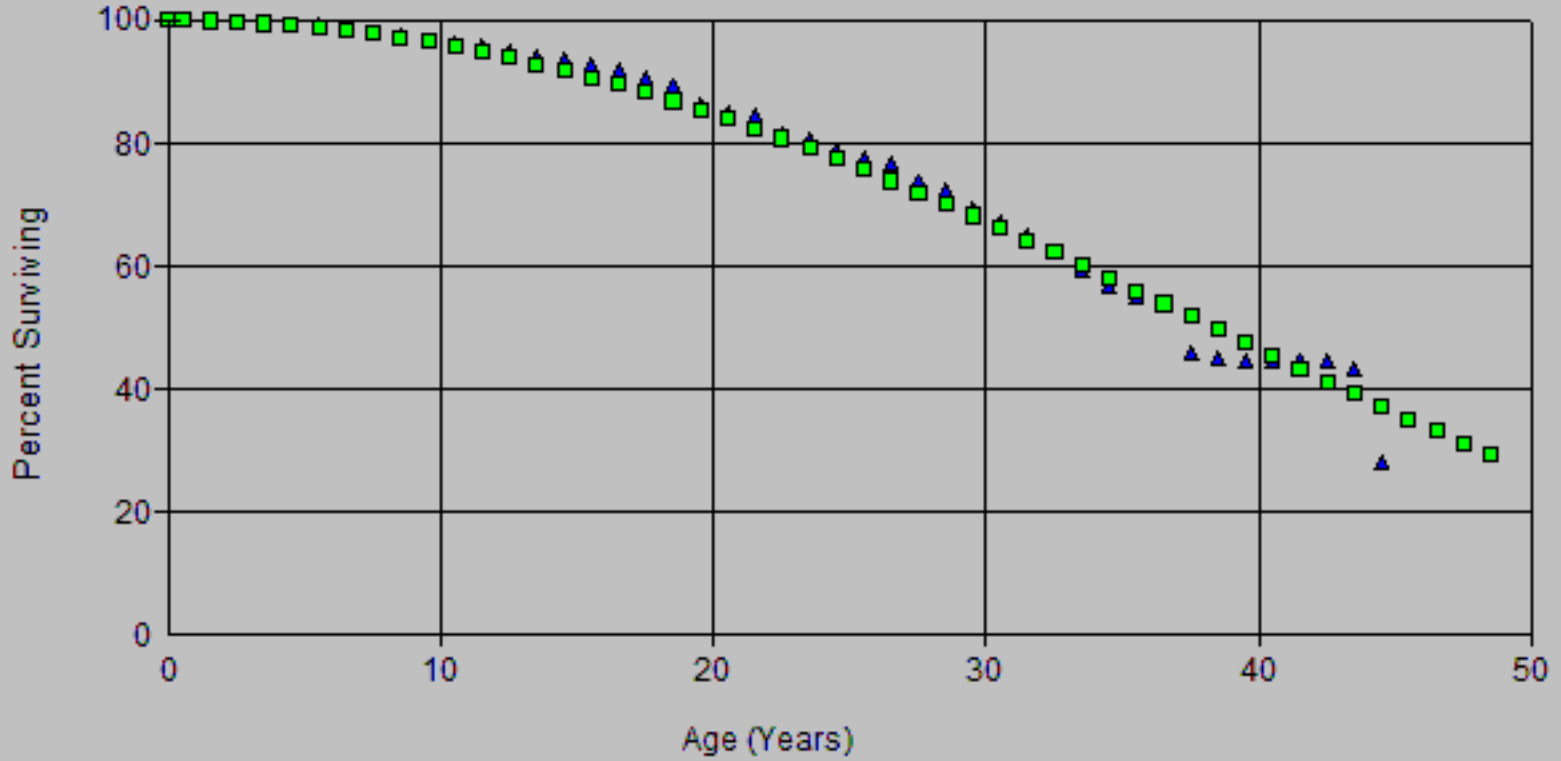


SoCalGas
 2024 GRC - APP
 Deprecation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ S0.5 38.00

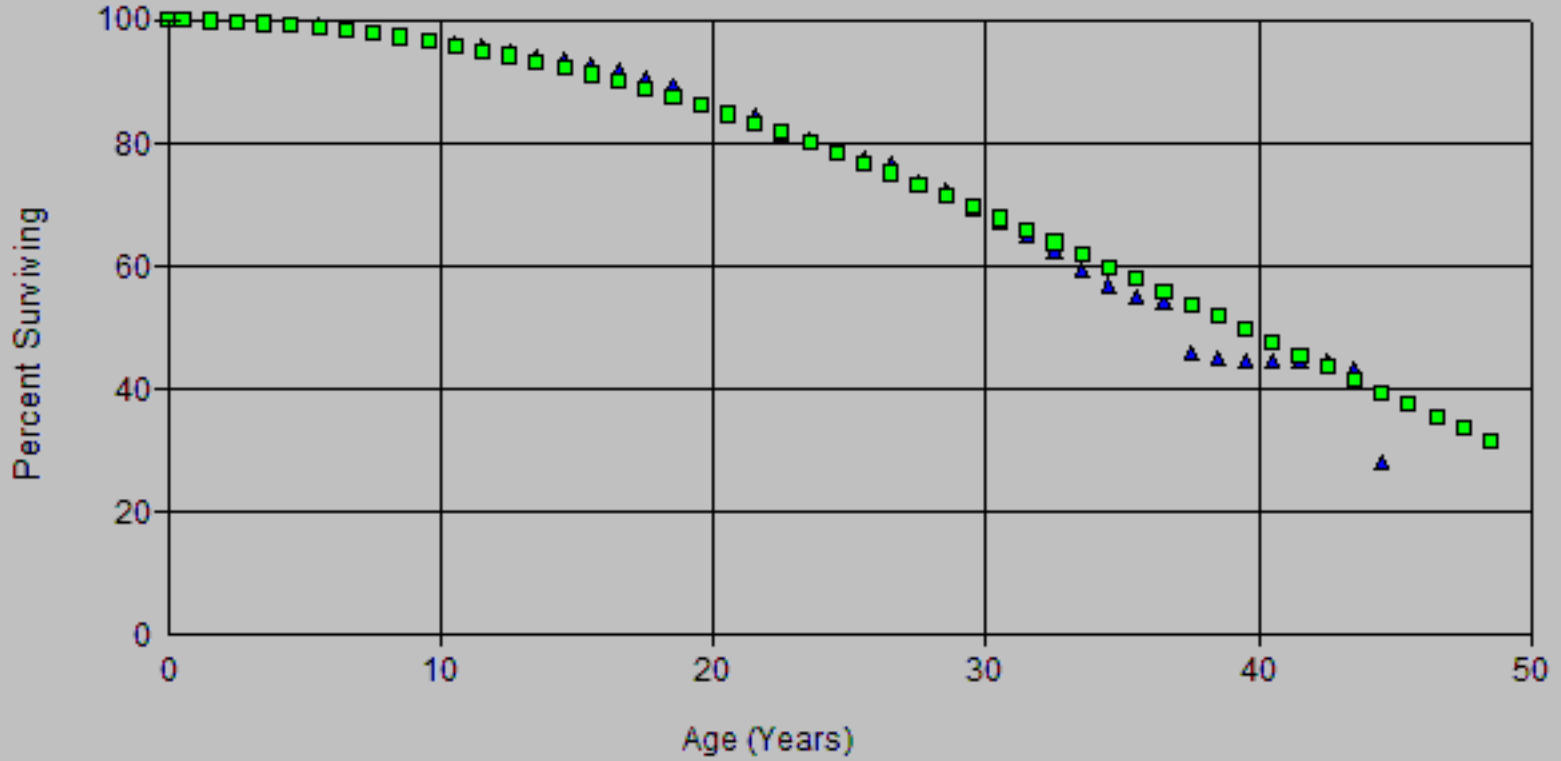


SoCalGas
2024 GRC - APP
Depreciation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ S0.5 39.00

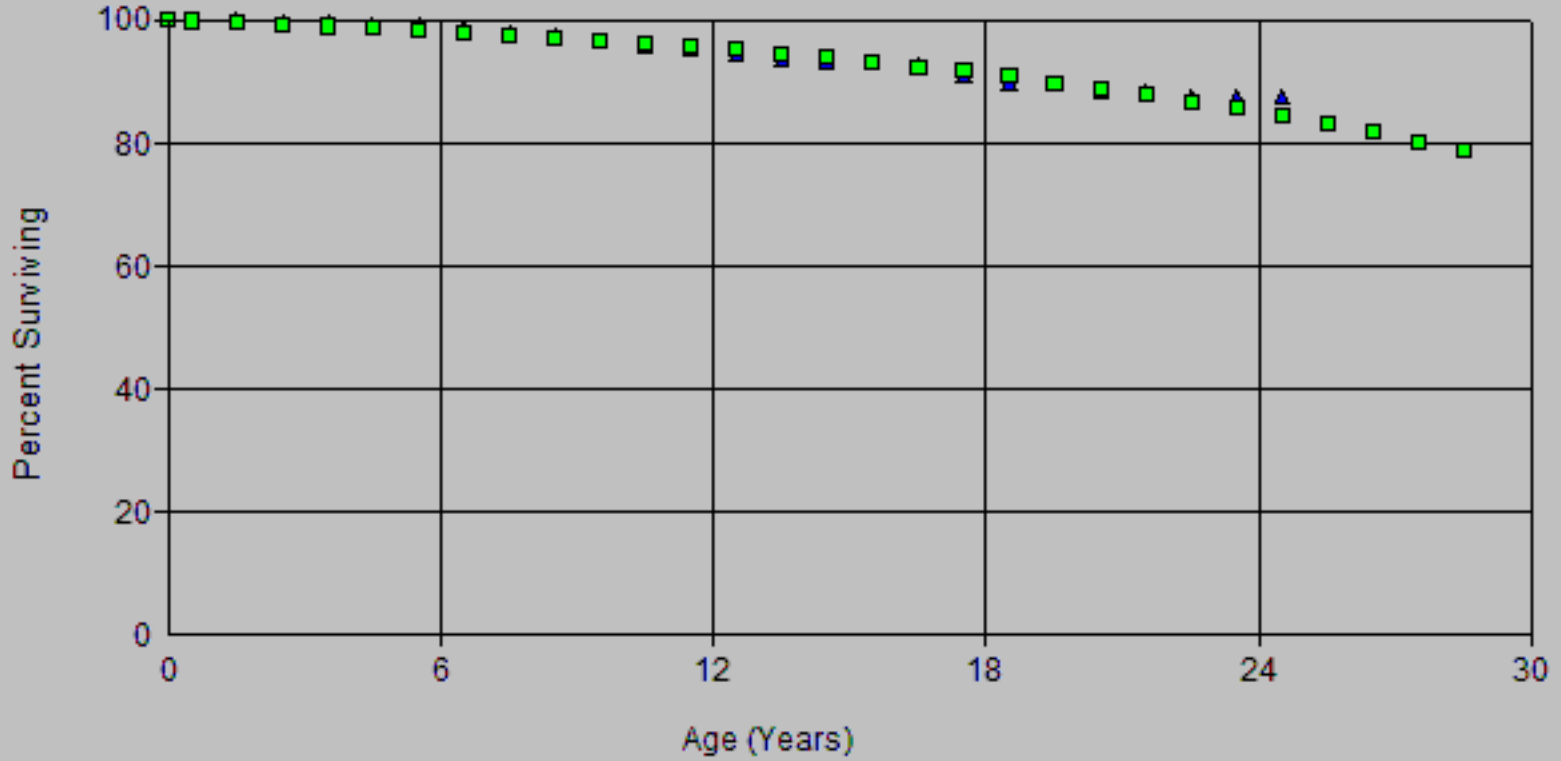


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ R2 40.00

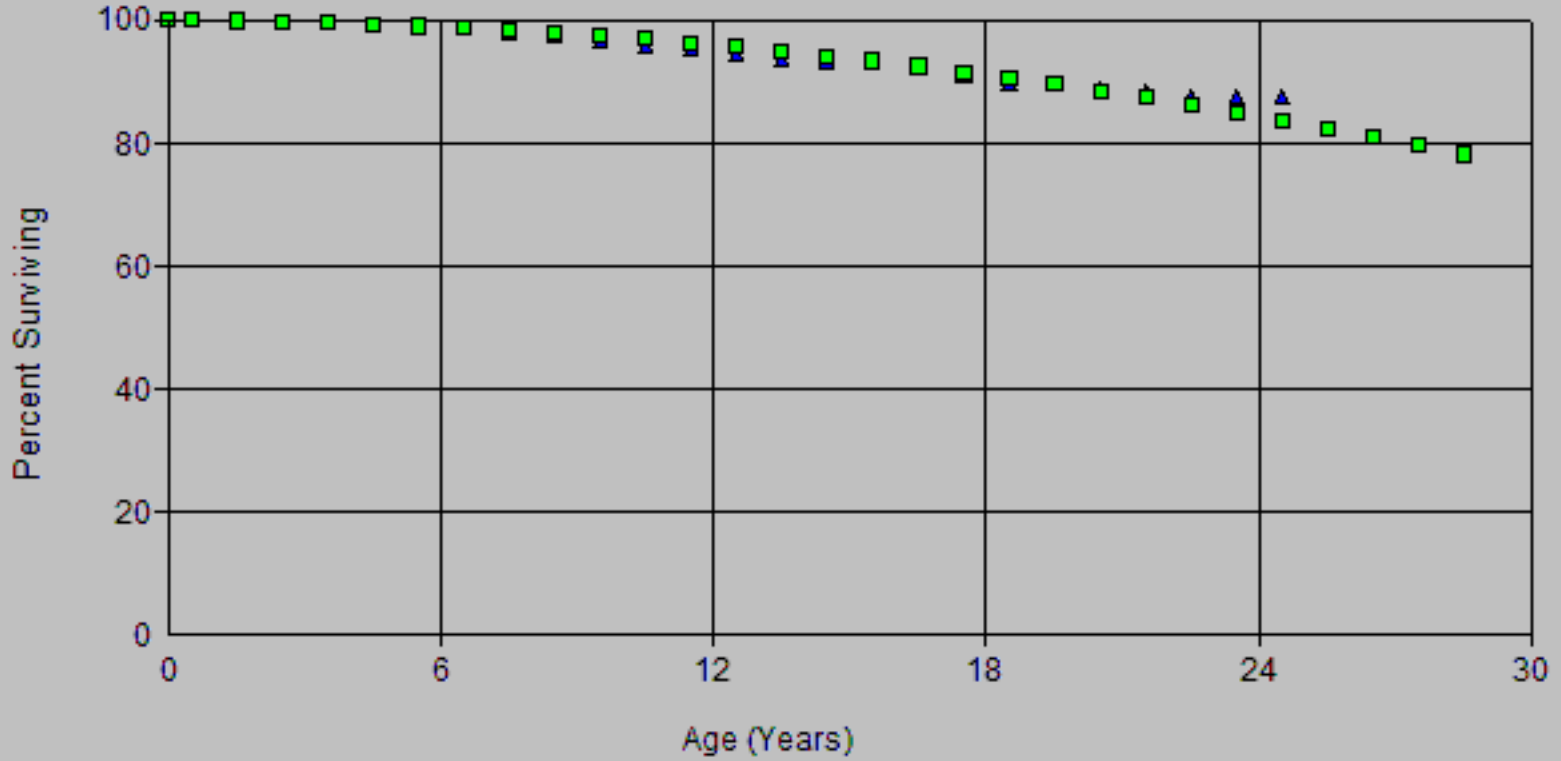


SoCalGas
 2024 GRC - APP
 Depreciation Workpapers

Account: 375-Structures & Improvements

Scenario: So California Gas Actuarial @ 2

▲ Actual Data ■ S0.5 45.00



Scenario: So California Gas Actuarial @ 2020

Account: 375-Structures & Improvements

Placement Band: 1925 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	269,533,087.56	0.00	0.00000	1.00000	100.00
0.5	260,270,998.61	66,490.73	0.00026	0.99974	100.00
1.5	228,518,340.26	542,964.33	0.00238	0.99762	99.97
2.5	209,673,804.46	284,743.48	0.00136	0.99864	99.74
3.5	206,131,692.92	162,091.90	0.00079	0.99921	99.60
4.5	197,227,846.72	317,156.72	0.00161	0.99839	99.52
5.5	192,869,929.96	702,160.51	0.00364	0.99636	99.36
6.5	189,033,855.32	1,673,599.50	0.00885	0.99115	99.00
7.5	179,874,741.02	782,711.77	0.00435	0.99565	98.12
8.5	178,747,397.79	1,776,660.56	0.00994	0.99006	97.70
9.5	184,306,065.28	1,046,760.55	0.00568	0.99432	96.73
10.5	180,159,938.67	945,495.53	0.00525	0.99475	96.18
11.5	172,689,081.36	1,612,852.42	0.00934	0.99066	95.67
12.5	162,947,952.58	942,231.95	0.00578	0.99422	94.78
13.5	152,073,862.31	669,293.51	0.00440	0.99560	94.23
14.5	144,935,645.19	1,515,321.03	0.01046	0.98954	93.81
15.5	140,582,740.08	1,324,684.44	0.00942	0.99058	92.83
16.5	112,766,117.12	1,454,597.03	0.01290	0.98710	91.96
17.5	105,836,412.59	1,841,735.97	0.01740	0.98260	90.77
18.5	102,790,883.71	3,289,236.62	0.03200	0.96800	89.19
19.5	99,573,267.52	1,461,411.93	0.01468	0.98532	86.34
20.5	96,810,350.11	420,529.98	0.00434	0.99566	85.07
21.5	95,516,018.36	3,602,290.62	0.03771	0.96229	84.70
22.5	87,531,643.19	1,017,957.45	0.01163	0.98837	81.51
23.5	84,899,001.07	1,548,305.04	0.01824	0.98176	80.56
24.5	80,609,320.96	1,654,729.42	0.02053	0.97947	79.09
25.5	74,314,571.17	756,054.39	0.01017	0.98983	77.47
26.5	73,000,511.78	2,489,964.48	0.03411	0.96589	76.68
27.5	61,617,768.80	1,141,561.62	0.01853	0.98147	74.07
28.5	57,017,098.07	2,521,899.84	0.04423	0.95577	72.69
29.5	49,403,527.12	1,531,319.83	0.03100	0.96900	69.48
30.5	43,400,188.03	1,258,249.35	0.02899	0.97101	67.32
31.5	28,366,415.79	1,464,411.37	0.05162	0.94838	65.37
32.5	22,978,311.28	912,933.68	0.03973	0.96027	62.00
33.5	20,710,710.17	724,509.83	0.03498	0.96502	59.53
34.5	18,322,811.73	571,672.94	0.03120	0.96880	57.45
35.5	15,142,243.60	289,925.82	0.01915	0.98085	55.66
36.5	12,498,290.34	1,278,538.65	0.10230	0.89770	54.59
37.5	10,597,713.02	211,498.46	0.01996	0.98004	49.01
38.5	8,020,392.66	173,424.48	0.02162	0.97838	48.03
39.5	7,149,246.26	107,675.25	0.01506	0.98494	46.99
40.5	6,287,957.15	219,880.49	0.03497	0.96503	46.28
41.5	5,351,065.87	16,567.43	0.00310	0.99690	44.67
42.5	5,292,792.32	260,524.53	0.04922	0.95078	44.53
43.5	4,425,663.55	235,746.21	0.05327	0.94673	42.34
44.5	4,018,820.07	197,651.01	0.04918	0.95082	40.08
45.5	3,384,707.50	195,726.54	0.05783	0.94217	38.11
46.5	3,062,466.42	205,087.84	0.06697	0.93303	35.91
47.5	2,538,376.47	53,308.05	0.02100	0.97900	33.50
48.5	2,520,742.68	17,304.08	0.00686	0.99314	32.80
49.5	2,516,525.48	22,923.12	0.00911	0.99089	32.57
50.5	2,618,461.50	226,419.38	0.08647	0.91353	32.28
51.5	2,388,700.08	92,918.08	0.03890	0.96110	29.48
52.5	2,302,412.99	28,449.56	0.01236	0.98764	28.34

Scenario: So California Gas Actuarial @ 2020

Account: 375-Structures & Improvements

Placement Band: 1925 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	2,255,066.08	26,986.61	0.01197	0.98803	27.99
54.5	2,153,928.59	60,258.70	0.02798	0.97202	27.65
55.5	1,568,805.74	49,287.42	0.03142	0.96858	26.88
56.5	1,650,016.31	32,445.42	0.01966	0.98034	26.03
57.5	1,658,002.20	114,420.09	0.06901	0.93099	25.52
58.5	1,512,794.32	44,948.13	0.02971	0.97029	23.76
59.5	1,529,623.24	20,220.39	0.01322	0.98678	23.05
60.5	1,489,291.72	24,936.13	0.01674	0.98326	22.75
61.5	1,220,261.59	33,426.53	0.02739	0.97261	22.37
62.5	1,177,236.77	47,538.34	0.04038	0.95962	21.76
63.5	1,063,013.15	12,431.30	0.01169	0.98831	20.88
64.5	1,042,088.32	20,326.14	0.01951	0.98049	20.63
65.5	1,019,347.88	20,140.00	0.01976	0.98024	20.23
66.5	939,297.53	59,041.30	0.06286	0.93714	19.83
67.5	877,216.70	2,492.53	0.00284	0.99716	18.58
68.5	720,067.52	6,211.38	0.00863	0.99137	18.53
69.5	657,823.15	92,626.37	0.14081	0.85919	18.37
70.5	474,059.61	5,131.93	0.01083	0.98917	15.78
71.5	472,667.95	9,013.73	0.01907	0.98093	15.61
72.5	320,013.13	16,960.71	0.05300	0.94700	15.31
73.5	284,995.60	7,678.81	0.02694	0.97306	14.50
74.5	241,623.17	0.00	0.00000	1.00000	14.11
75.5	241,623.17	39,240.96	0.16241	0.83759	14.11
76.5	201,242.00	6,965.29	0.03461	0.96539	11.82
77.5	194,276.71	0.00	0.00000	1.00000	11.41
78.5	151,750.43	4,158.37	0.02740	0.97260	11.41
79.5	122,646.08	466.51	0.00380	0.99620	11.10
80.5	122,179.57	0.00	0.00000	1.00000	11.06
81.5	56,535.42	988.46	0.01748	0.98252	11.06
82.5	34,481.79	982.98	0.02851	0.97149	10.86
83.5	22,164.14	0.00	0.00000	1.00000	10.55
84.5	21,454.20	0.00	0.00000	1.00000	10.55
85.5	21,454.20	520.32	0.02425	0.97575	10.55
86.5	19,559.76	0.00	0.00000	1.00000	10.30
87.5	11,953.26	0.00	0.00000	1.00000	10.30
88.5	11,362.33	0.00	0.00000	1.00000	10.30
89.5	11,351.10	0.00	0.00000	1.00000	10.30
90.5	10,798.30	0.00	0.00000	1.00000	10.30
91.5	10,797.41	0.00	0.00000	1.00000	10.30
92.5	10,797.41	0.00	0.00000	1.00000	10.30
93.5	302.79	0.00	0.00000	1.00000	10.30
94.5	302.79	0.00	0.00000	1.00000	10.30
95.5	0.00	0.00	0.00000	0.00000	10.30

Scenario: So California Gas Actuarial @ 2020

Account: 375-Structures & Improvements

Placement Band: 1956 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	269,533,087.56	0.00	0.00000	1.00000	100.00
0.5	260,270,998.61	66,490.73	0.00026	0.99974	100.00
1.5	228,518,340.26	542,964.33	0.00238	0.99762	99.97
2.5	209,673,804.46	284,743.48	0.00136	0.99864	99.74
3.5	206,131,692.92	162,091.90	0.00079	0.99921	99.60
4.5	197,227,846.72	317,156.72	0.00161	0.99839	99.52
5.5	192,869,929.96	702,160.51	0.00364	0.99636	99.36
6.5	189,033,855.32	1,673,599.50	0.00885	0.99115	99.00
7.5	179,874,741.02	782,711.77	0.00435	0.99565	98.12
8.5	178,747,397.79	1,776,660.56	0.00994	0.99006	97.70
9.5	184,306,065.28	1,046,760.55	0.00568	0.99432	96.73
10.5	180,159,938.67	945,495.53	0.00525	0.99475	96.18
11.5	172,689,081.36	1,612,852.42	0.00934	0.99066	95.67
12.5	162,947,952.58	942,231.95	0.00578	0.99422	94.78
13.5	152,073,862.31	669,293.51	0.00440	0.99560	94.23
14.5	144,935,645.19	1,515,321.03	0.01046	0.98954	93.81
15.5	140,582,740.08	1,324,684.44	0.00942	0.99058	92.83
16.5	112,766,117.12	1,454,597.03	0.01290	0.98710	91.96
17.5	105,836,412.59	1,841,735.97	0.01740	0.98260	90.77
18.5	102,790,883.71	3,289,236.62	0.03200	0.96800	89.19
19.5	99,573,267.52	1,461,411.93	0.01468	0.98532	86.34
20.5	96,810,350.11	420,529.98	0.00434	0.99566	85.07
21.5	95,516,018.36	3,602,290.62	0.03771	0.96229	84.70
22.5	87,531,643.19	1,017,957.45	0.01163	0.98837	81.51
23.5	84,899,001.07	1,548,305.04	0.01824	0.98176	80.56
24.5	80,609,320.96	1,654,729.42	0.02053	0.97947	79.09
25.5	74,314,571.17	756,054.39	0.01017	0.98983	77.47
26.5	73,000,511.78	2,489,964.48	0.03411	0.96589	76.68
27.5	61,617,768.80	1,141,561.62	0.01853	0.98147	74.07
28.5	57,017,098.07	2,521,899.84	0.04423	0.95577	72.69
29.5	49,403,527.12	1,531,319.83	0.03100	0.96900	69.48
30.5	43,400,188.03	1,258,249.35	0.02899	0.97101	67.32
31.5	28,366,415.79	1,464,411.37	0.05162	0.94838	65.37
32.5	22,978,311.28	912,933.68	0.03973	0.96027	62.00
33.5	20,710,710.17	724,509.83	0.03498	0.96502	59.53
34.5	18,322,811.73	571,672.94	0.03120	0.96880	57.45
35.5	15,142,243.60	289,925.82	0.01915	0.98085	55.66
36.5	12,498,290.34	1,278,538.65	0.10230	0.89770	54.59
37.5	10,597,713.02	211,498.46	0.01996	0.98004	49.01
38.5	8,020,392.66	173,424.48	0.02162	0.97838	48.03
39.5	7,149,246.26	107,675.25	0.01506	0.98494	46.99
40.5	6,287,957.15	219,880.49	0.03497	0.96503	46.28
41.5	5,351,065.87	16,567.43	0.00310	0.99690	44.67
42.5	5,292,792.32	260,524.53	0.04922	0.95078	44.53
43.5	4,405,903.67	235,746.21	0.05351	0.94649	42.34
44.5	3,914,598.81	197,651.01	0.05049	0.94951	40.07
45.5	3,192,082.38	195,726.54	0.06132	0.93868	38.05
46.5	2,587,285.55	205,087.84	0.07927	0.92073	35.71
47.5	1,966,021.21	53,204.91	0.02706	0.97294	32.88
48.5	1,803,030.17	17,101.72	0.00948	0.99052	31.99
49.5	1,625,191.77	22,762.89	0.01401	0.98599	31.69
50.5	1,567,241.78	224,574.03	0.14329	0.85671	31.25
51.5	1,319,901.84	77,686.49	0.05886	0.94114	26.77
52.5	1,183,044.54	22,429.91	0.01896	0.98104	25.19

Observed Life Table Deprecation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 375-Structures & Improvements

Placement Band: 1956 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
53.5	1,141,673.18	627.77	0.00055	0.99945	24.72
54.5	1,065,754.32	4,285.43	0.00402	0.99598	24.70
55.5	536,466.50	11,759.97	0.02192	0.97808	24.60
56.5	522,301.05	654.17	0.00125	0.99875	24.06
57.5	518,778.66	46,695.91	0.09001	0.90999	24.03
58.5	438,887.72	0.00	0.00000	1.00000	21.87
59.5	428,034.33	220.45	0.00052	0.99948	21.87
60.5	357,534.21	474.10	0.00133	0.99867	21.86
61.5	101,631.44	25,297.16	0.24891	0.75109	21.83
62.5	68,369.02	2,676.01	0.03914	0.96086	16.40
63.5	15,944.46	0.00	0.00000	1.00000	15.75
64.5	0.00	0.00	0.00000	0.00000	15.75

Scenario: So California Gas Actuarial @ 2020

Account: 375-Structures & Improvements

Placement Band: 1976 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	269,533,087.56	0.00	0.00000	1.00000	100.00
0.5	260,270,998.61	66,490.73	0.00026	0.99974	100.00
1.5	228,518,340.26	542,964.33	0.00238	0.99762	99.97
2.5	209,673,804.46	284,743.48	0.00136	0.99864	99.74
3.5	206,131,692.92	162,091.90	0.00079	0.99921	99.60
4.5	197,227,846.72	317,156.72	0.00161	0.99839	99.52
5.5	192,869,929.96	702,160.51	0.00364	0.99636	99.36
6.5	189,033,855.32	1,673,599.50	0.00885	0.99115	99.00
7.5	179,874,741.02	782,711.77	0.00435	0.99565	98.12
8.5	178,747,397.79	1,776,660.56	0.00994	0.99006	97.70
9.5	184,306,065.28	1,046,760.55	0.00568	0.99432	96.73
10.5	180,159,938.67	945,495.53	0.00525	0.99475	96.18
11.5	172,689,081.36	1,612,852.42	0.00934	0.99066	95.67
12.5	162,947,952.58	942,231.95	0.00578	0.99422	94.78
13.5	152,073,862.31	669,293.51	0.00440	0.99560	94.23
14.5	144,935,645.19	1,515,321.03	0.01046	0.98954	93.81
15.5	140,582,740.08	1,324,684.44	0.00942	0.99058	92.83
16.5	112,766,117.12	1,454,597.03	0.01290	0.98710	91.96
17.5	105,836,412.59	1,841,735.97	0.01740	0.98260	90.77
18.5	102,790,883.71	3,289,236.62	0.03200	0.96800	89.19
19.5	99,573,267.52	1,461,411.93	0.01468	0.98532	86.34
20.5	96,810,350.11	420,529.98	0.00434	0.99566	85.07
21.5	95,516,018.36	3,602,290.62	0.03771	0.96229	84.70
22.5	87,531,643.19	1,017,957.45	0.01163	0.98837	81.51
23.5	83,612,421.88	1,548,305.04	0.01852	0.98148	80.56
24.5	78,762,458.91	1,654,729.42	0.02101	0.97899	79.07
25.5	71,571,427.29	756,054.39	0.01056	0.98944	77.41
26.5	69,748,491.00	2,489,964.48	0.03570	0.96430	76.59
27.5	58,295,520.91	1,077,119.83	0.01848	0.98152	73.86
28.5	53,701,030.53	2,247,010.53	0.04184	0.95816	72.49
29.5	46,055,438.69	1,481,908.99	0.03218	0.96782	69.46
30.5	39,956,630.11	1,225,280.53	0.03067	0.96933	67.22
31.5	24,931,393.01	1,094,066.95	0.04388	0.95612	65.16
32.5	19,691,099.02	897,342.36	0.04557	0.95443	62.30
33.5	16,835,274.87	691,975.02	0.04110	0.95890	59.47
34.5	14,464,323.49	482,671.96	0.03337	0.96663	57.02
35.5	11,331,595.37	217,541.90	0.01920	0.98080	55.12
36.5	8,631,458.96	1,262,639.44	0.14628	0.85372	54.06
37.5	6,670,959.22	164,691.83	0.02469	0.97531	46.15
38.5	3,799,207.45	18,962.78	0.00499	0.99501	45.01
39.5	2,764,936.88	0.00	0.00000	1.00000	44.79
40.5	1,990,430.55	3,760.18	0.00189	0.99811	44.79
41.5	1,111,081.31	4,126.99	0.00371	0.99629	44.70
42.5	1,042,257.33	30,469.52	0.02923	0.97077	44.54
43.5	387,695.93	134,928.23	0.34803	0.65197	43.24
44.5	0.00	0.00	0.00000	0.00000	28.19

Observed Life Table Depreciation Workpapers

Scenario: So California Gas Actuarial @ 2020

Account: 375-Structures & Improvements

Placement Band: 1996 - 2020

Observation Band: 1999 - 2020

Age at Beginning of Interval	Exposures at Beginning of Interval	Retirements During Interval	Retirement Ratio	Survivor Ratio	Percent Surv at Beginning of Interval
0	269,533,087.56	0.00	0.00000	1.00000	100.00
0.5	260,270,998.61	66,490.73	0.00026	0.99974	100.00
1.5	228,518,340.26	542,964.33	0.00238	0.99762	99.97
2.5	209,673,804.46	284,743.48	0.00136	0.99864	99.74
3.5	198,644,920.48	162,091.90	0.00082	0.99918	99.60
4.5	187,561,056.03	316,781.48	0.00169	0.99831	99.52
5.5	172,160,837.82	702,160.51	0.00408	0.99592	99.35
6.5	163,540,783.13	1,388,471.15	0.00849	0.99151	98.95
7.5	148,118,753.56	756,051.07	0.00510	0.99490	98.11
8.5	140,168,302.79	1,488,958.21	0.01062	0.98938	97.61
9.5	128,842,173.68	934,709.64	0.00725	0.99275	96.57
10.5	114,912,613.09	668,252.39	0.00582	0.99418	95.87
11.5	104,989,281.20	881,268.80	0.00839	0.99161	95.31
12.5	93,242,428.68	651,048.02	0.00698	0.99302	94.51
13.5	74,801,173.04	294,875.13	0.00394	0.99606	93.85
14.5	63,175,631.28	175,028.95	0.00277	0.99723	93.48
15.5	58,558,147.20	404,571.41	0.00691	0.99309	93.22
16.5	26,529,386.45	433,112.25	0.01633	0.98367	92.58
17.5	19,537,307.07	238,285.19	0.01220	0.98780	91.07
18.5	16,519,657.71	1,970.72	0.00012	0.99988	89.95
19.5	14,477,059.00	208,128.81	0.01438	0.98562	89.94
20.5	12,726,533.69	14,390.38	0.00113	0.99887	88.65
21.5	10,980,685.56	123,528.25	0.01125	0.98875	88.55
22.5	6,140,155.25	0.00	0.00000	1.00000	87.55
23.5	3,243,578.08	0.00	0.00000	1.00000	87.55
24.5	0.00	0.00	0.00000	0.00000	87.55

Actuarial Life Analysis

Account: 375-Structures & Improvements
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1925 - 2003
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1999 -2003	78.5	58.72	0.29249913	L0	78.86
2000 -2004	79.5	50.52	0.41947272	L0	65.63
2001 -2005	80.5	49.47	0.26640939	L0	68.03
2002 -2006	81.5	38.01	0.18293782	L0	58.34
2003 -2007	82.5	14.59	0.40835822	L0	38.68
2004 -2008	83.5	4.68	0.15234255	L1	35.77
2005 -2009	84.5	6.35	0.14889844	L1	36.95
2006 -2010	85.5	5.08	0.12891692	L1.5	34.64
2007 -2011	86.5	4.04	0.10849628	L1	34.78
2008 -2012	87.5	5.84	0.11126689	L1.5	40.09
2009 -2013	88.5	14.62	0.07404659	L0.5	48.59
2010 -2014	89.5	10.78	0.06285522	L1	48.06
2011 -2015	90.5	9.24	0.10654109	L1	50.28
2012 -2016	91.5	19.95	0.07630664	L1	55.20
2013 -2017	92.5	14.16	0.25747961	L0.5	46.56
2014 -2018	93.5	11.81	0.29670390	L1.5	45.55
2015 -2019	94.5	5.75	0.14254750	L2	41.34
2016 -2020	95.5	5.62	0.11281881	L2	42.45

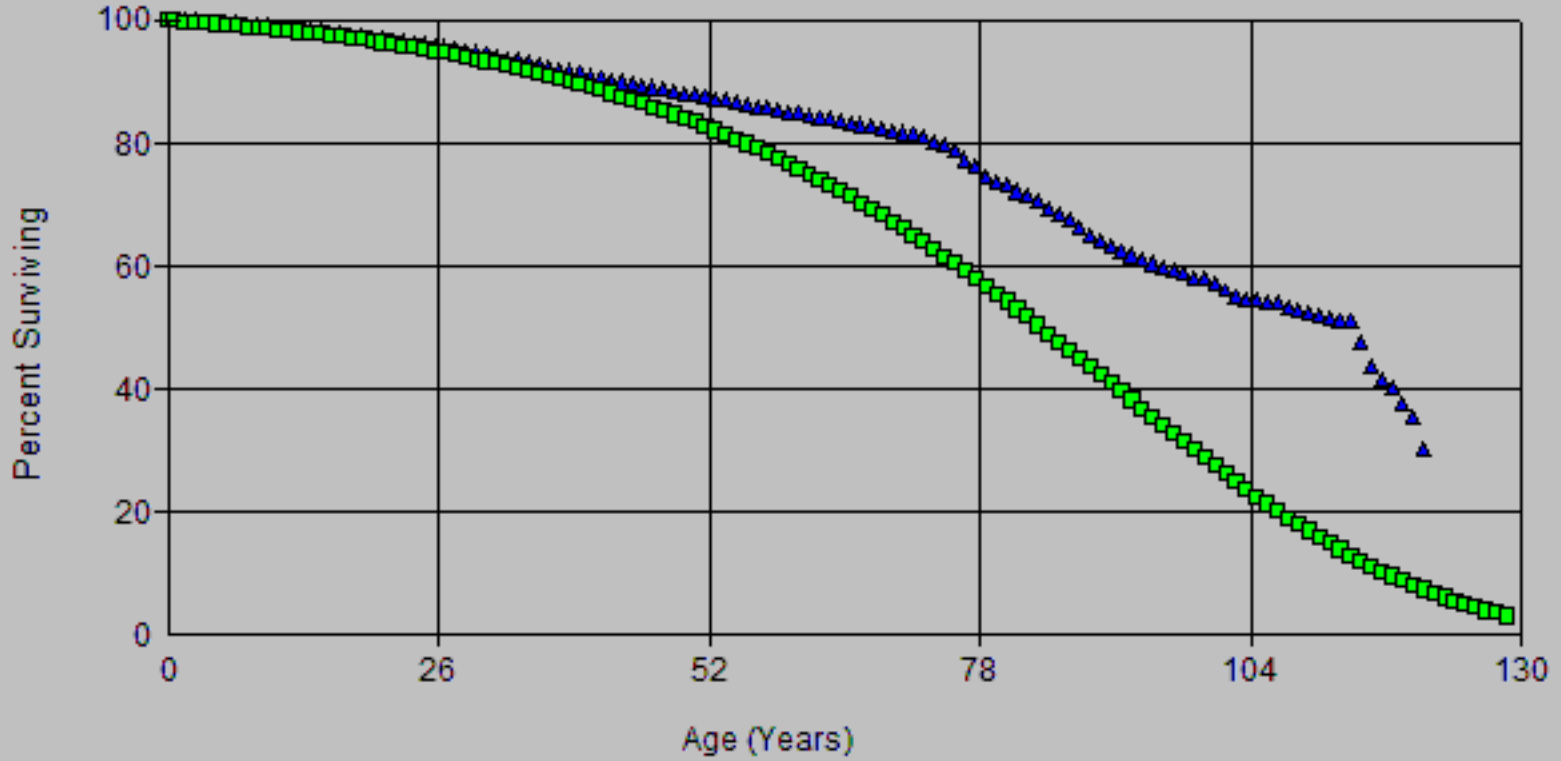
Actuarial Life Analysis

Account: 375-Structures & Improvements
 Scenario: So California Gas Actuarial @ 2020
 Placement Band: 1925 - 2020
 Function: Survivorship Annual Rate Method
 Weighting: Unweighted
 T-Cut: None

Observation Band	<u>Censoring</u>		Error Sum <u>of Squares</u>	<u>Best Fit</u>	
	Age	Percent		Disp	ASL
1999 -2020	95.5	10.30	0.18409158	L1	44.70
2004 -2020	95.5	8.29	0.16471753	L1.5	42.60
2009 -2020	95.5	10.46	0.18859065	L1.5	45.92
2014 -2020	95.5	7.92	0.16961325	L1.5	44.63
2019 -2020	95.5	1.61	0.05339594	L2.5	39.20

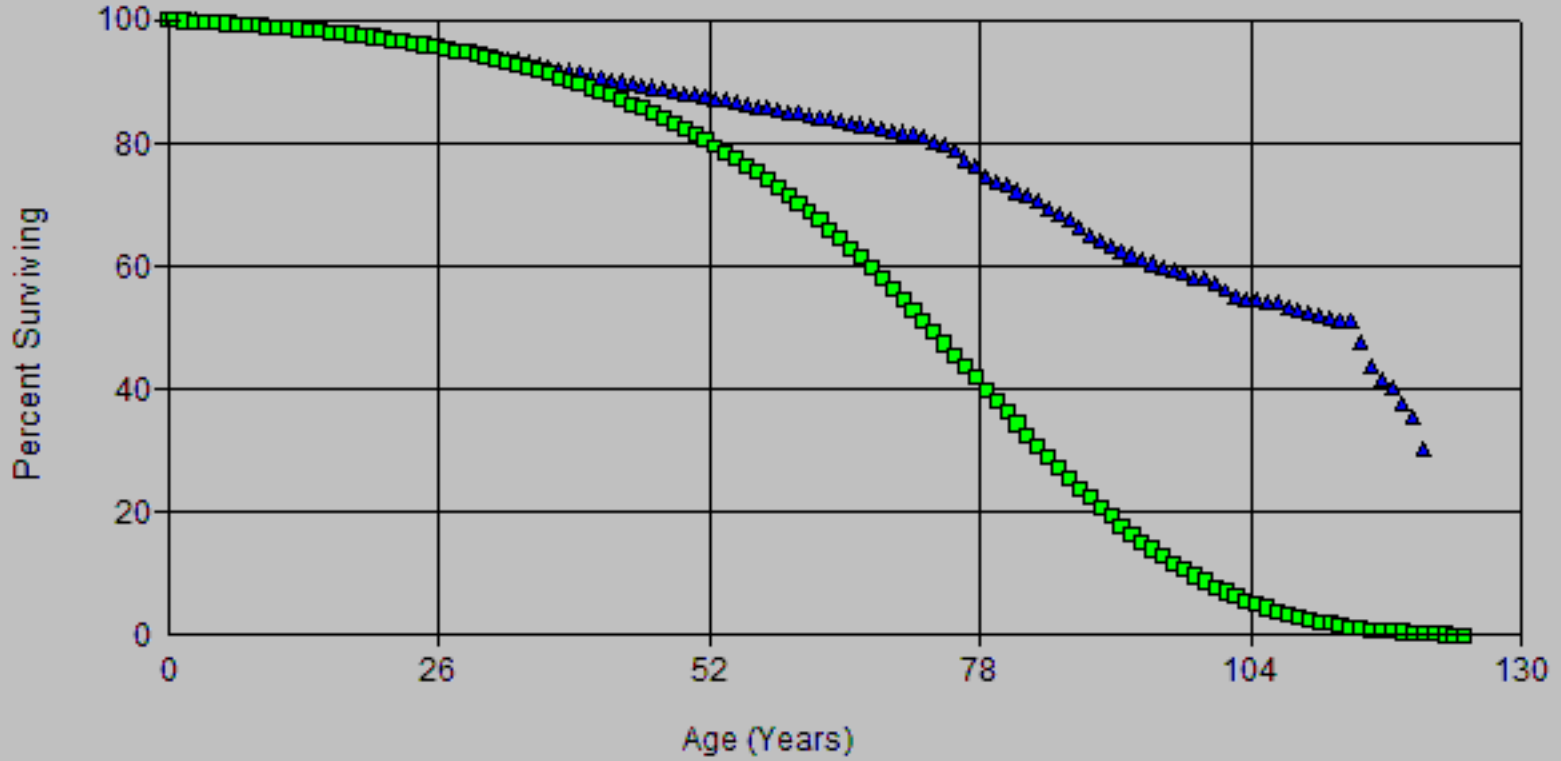
Account: 310x-Mains Scenario: So California Gas @ 2020

▲ Actual Data ■ R2 80.00



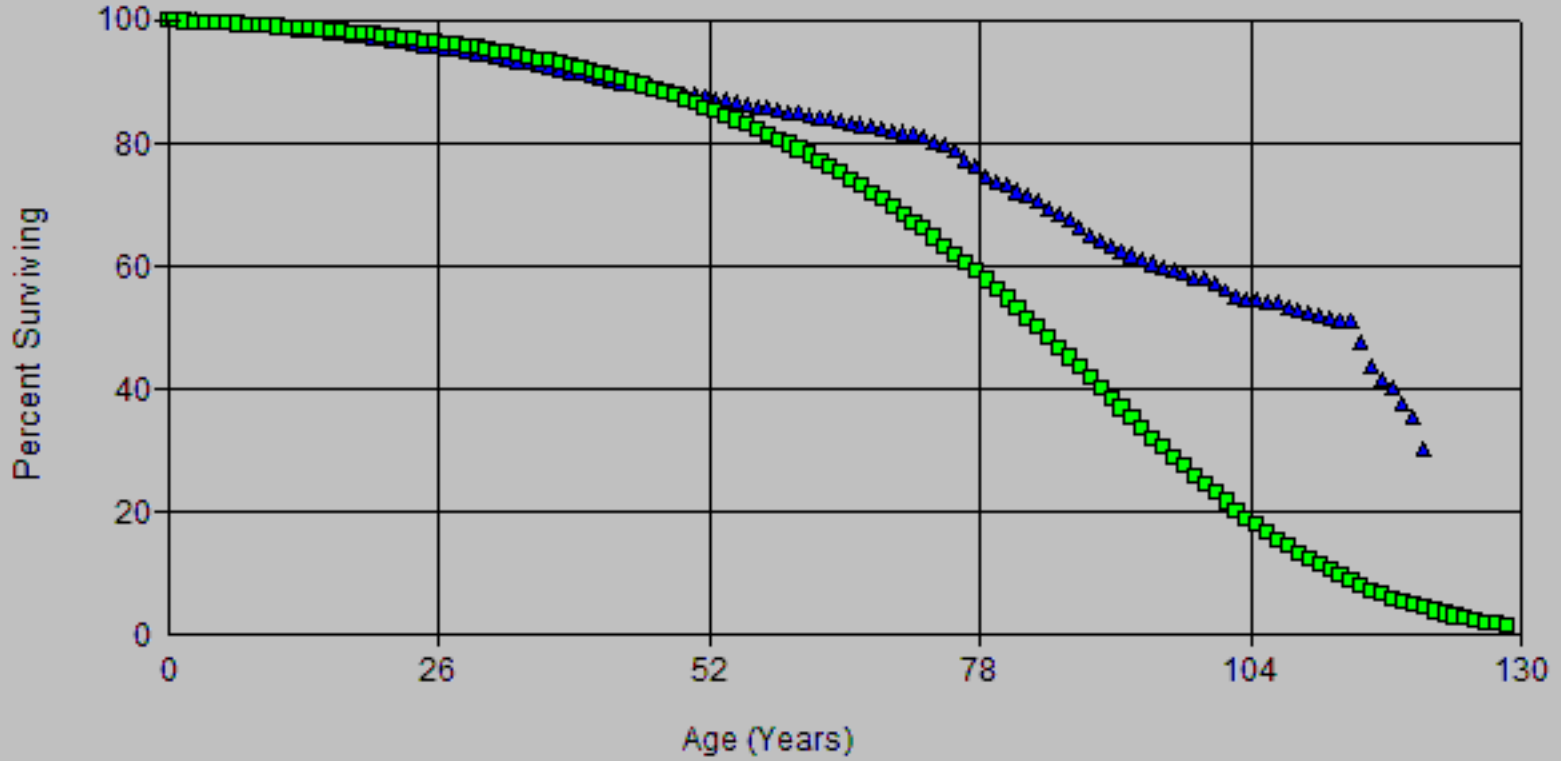
Account: 310x-Mains Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 70.00



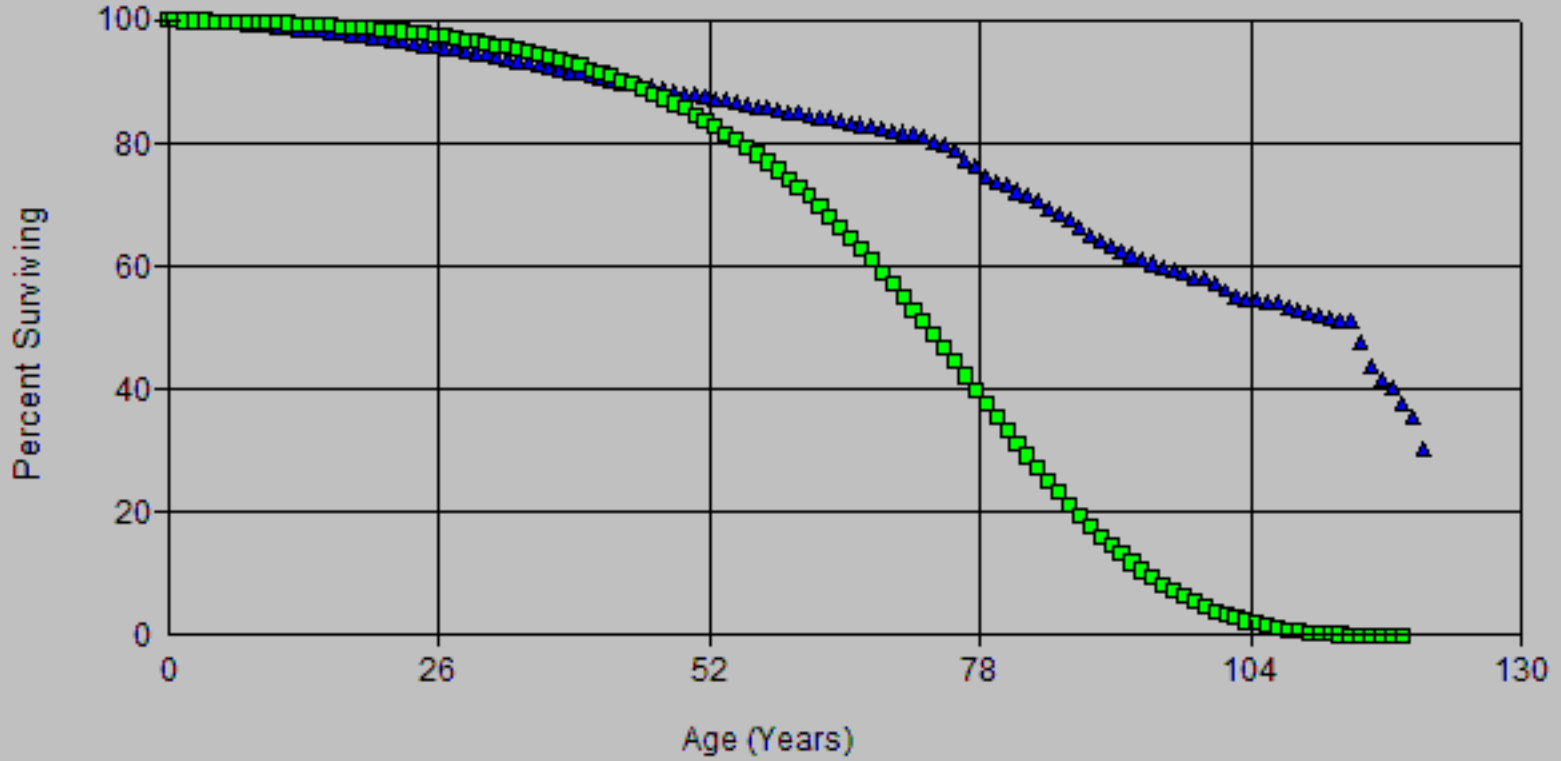
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 80.00



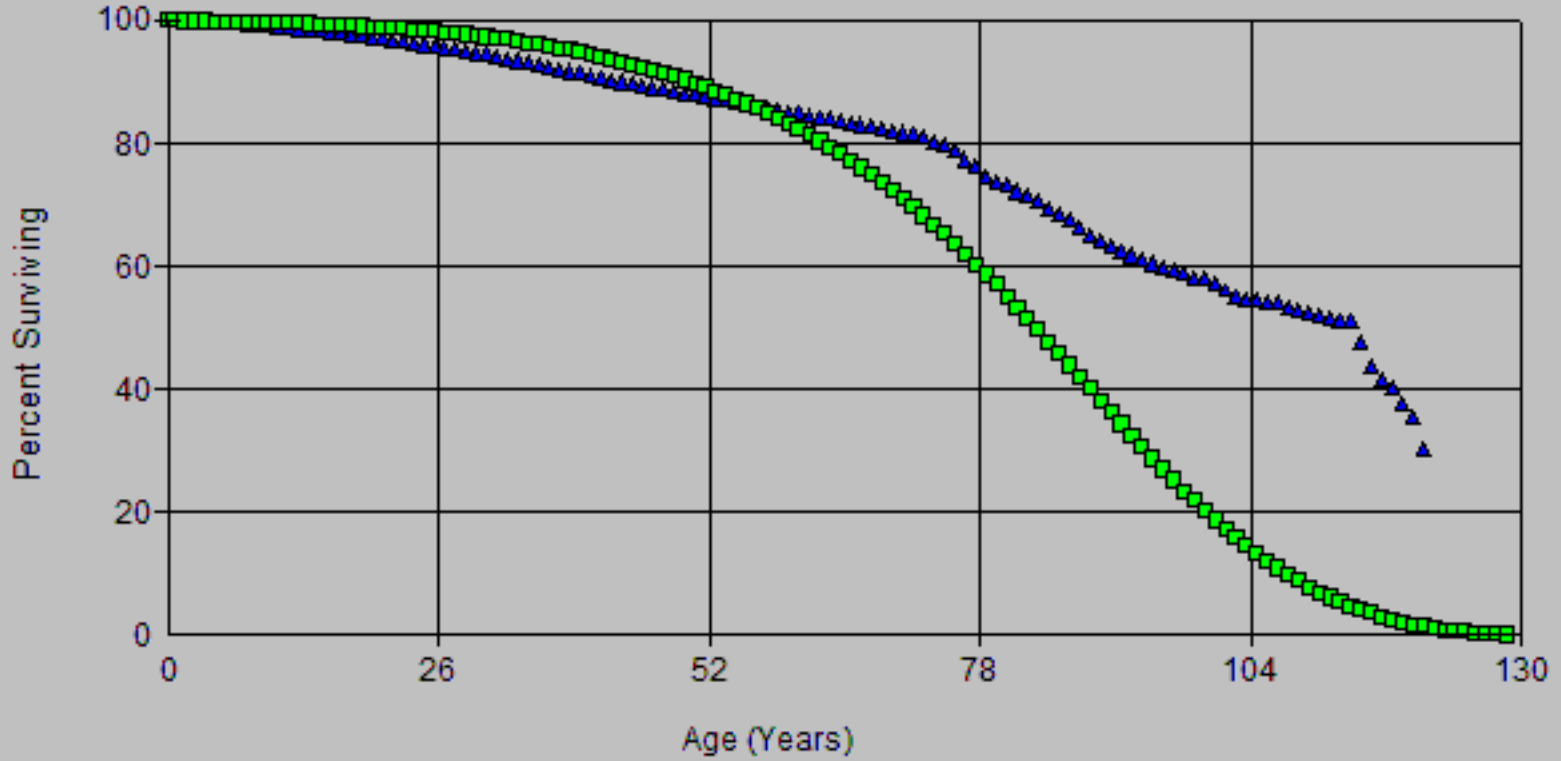
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 70.00



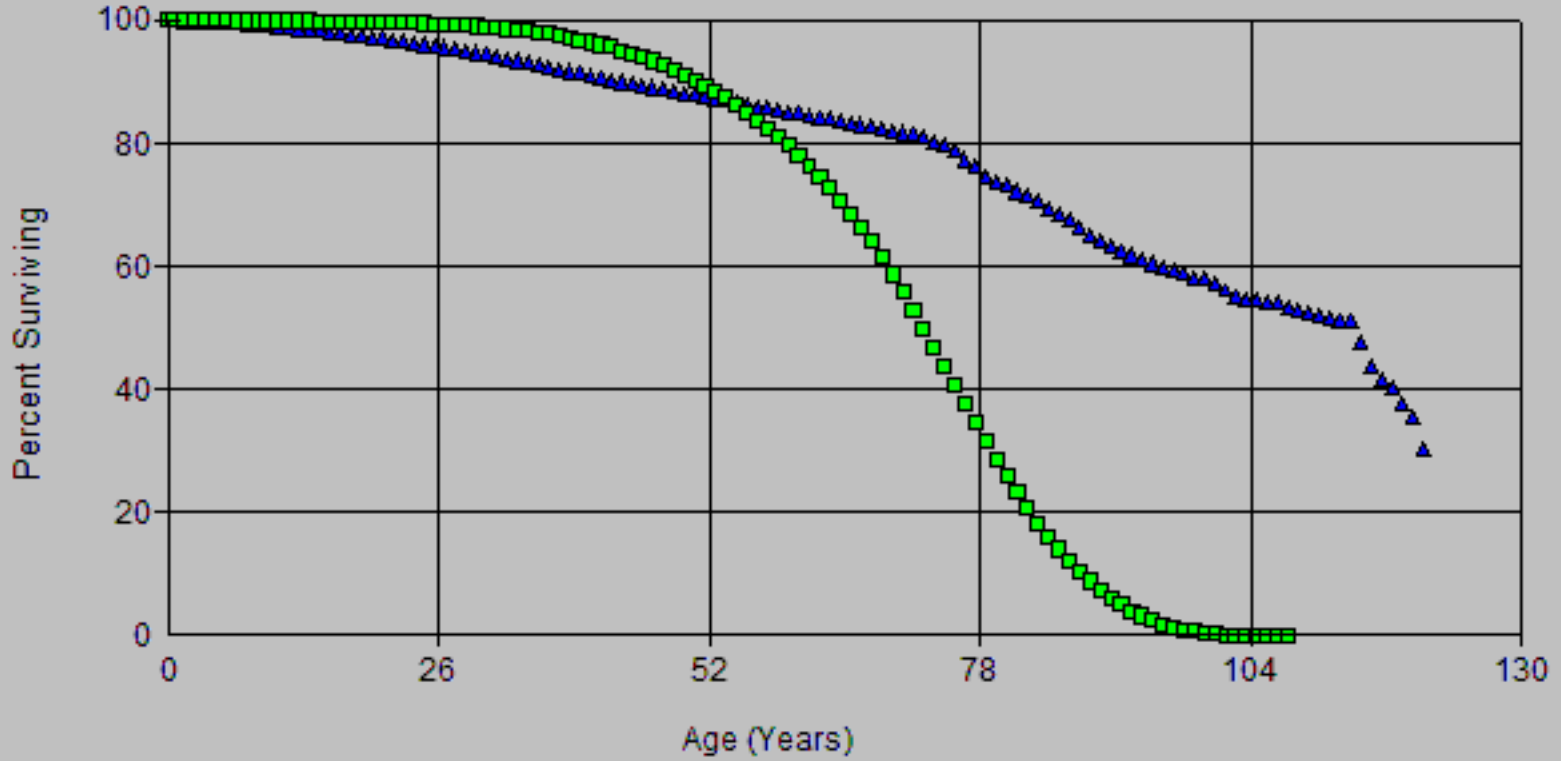
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 80.00



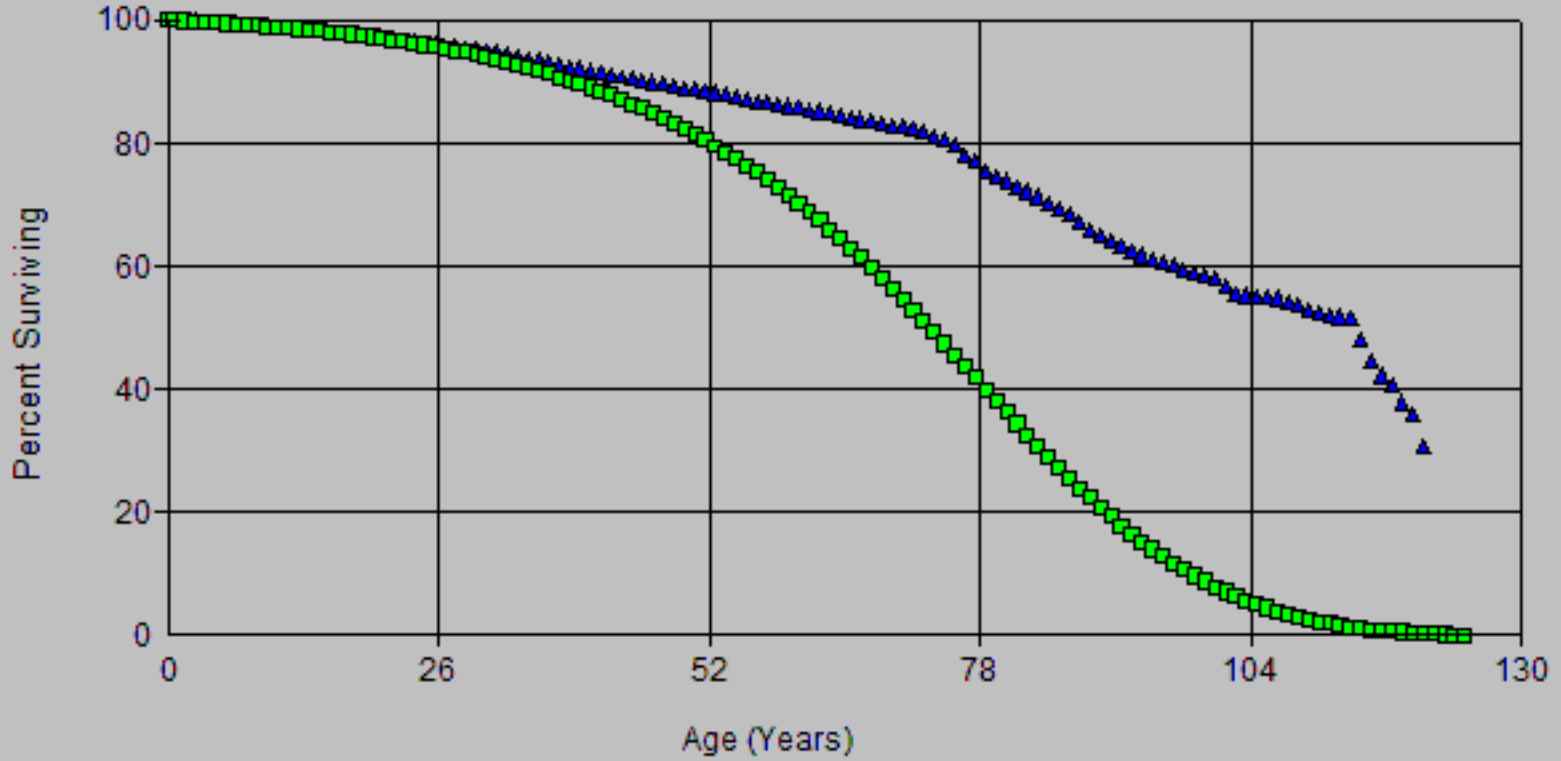
Scenario: So California Gas @ 2020

▲ Actual Data ■ R4 70.00



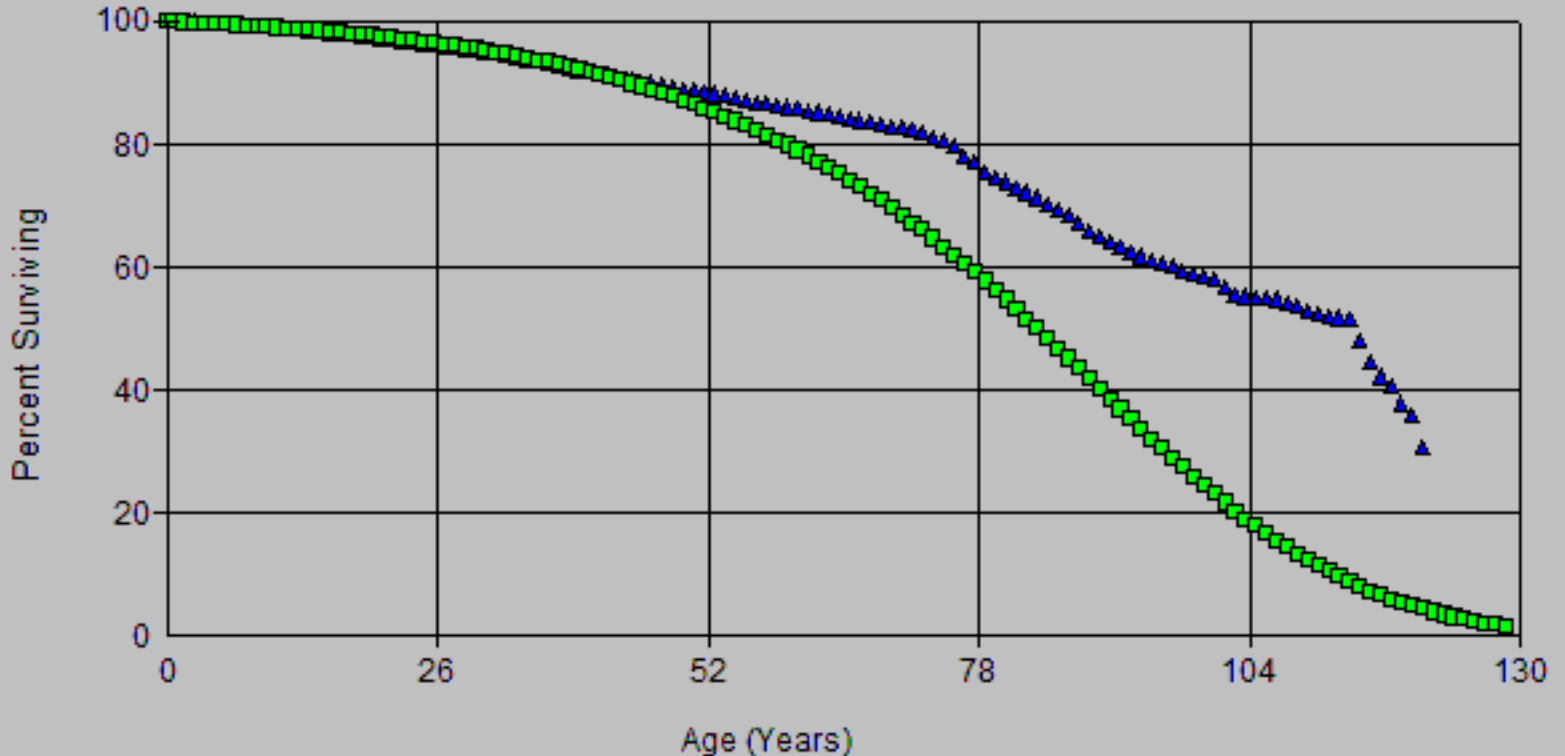
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 70.00



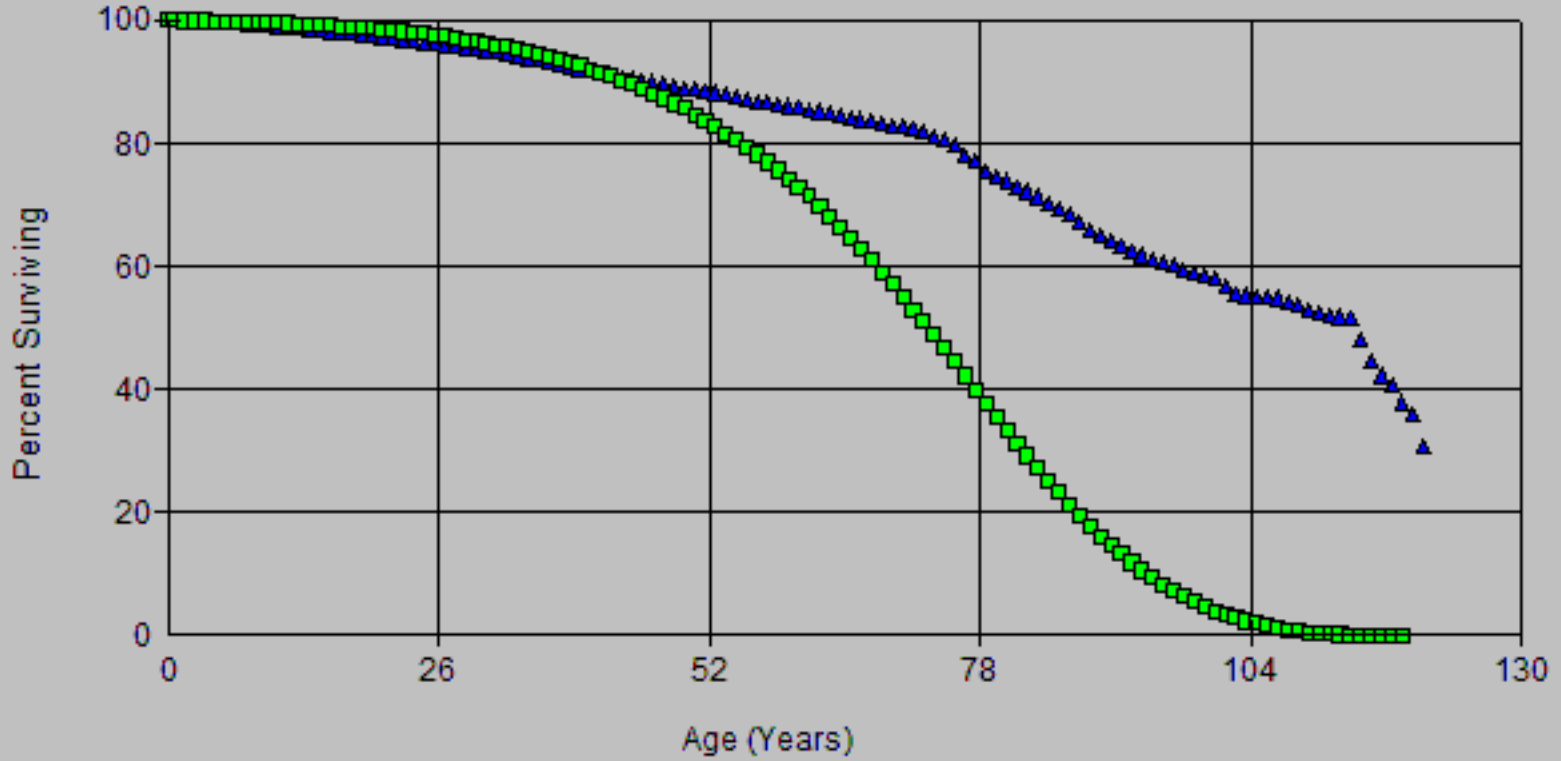
Scenario: So California Gas @ 2020

▲ Actual Data ■ R2.5 80.00



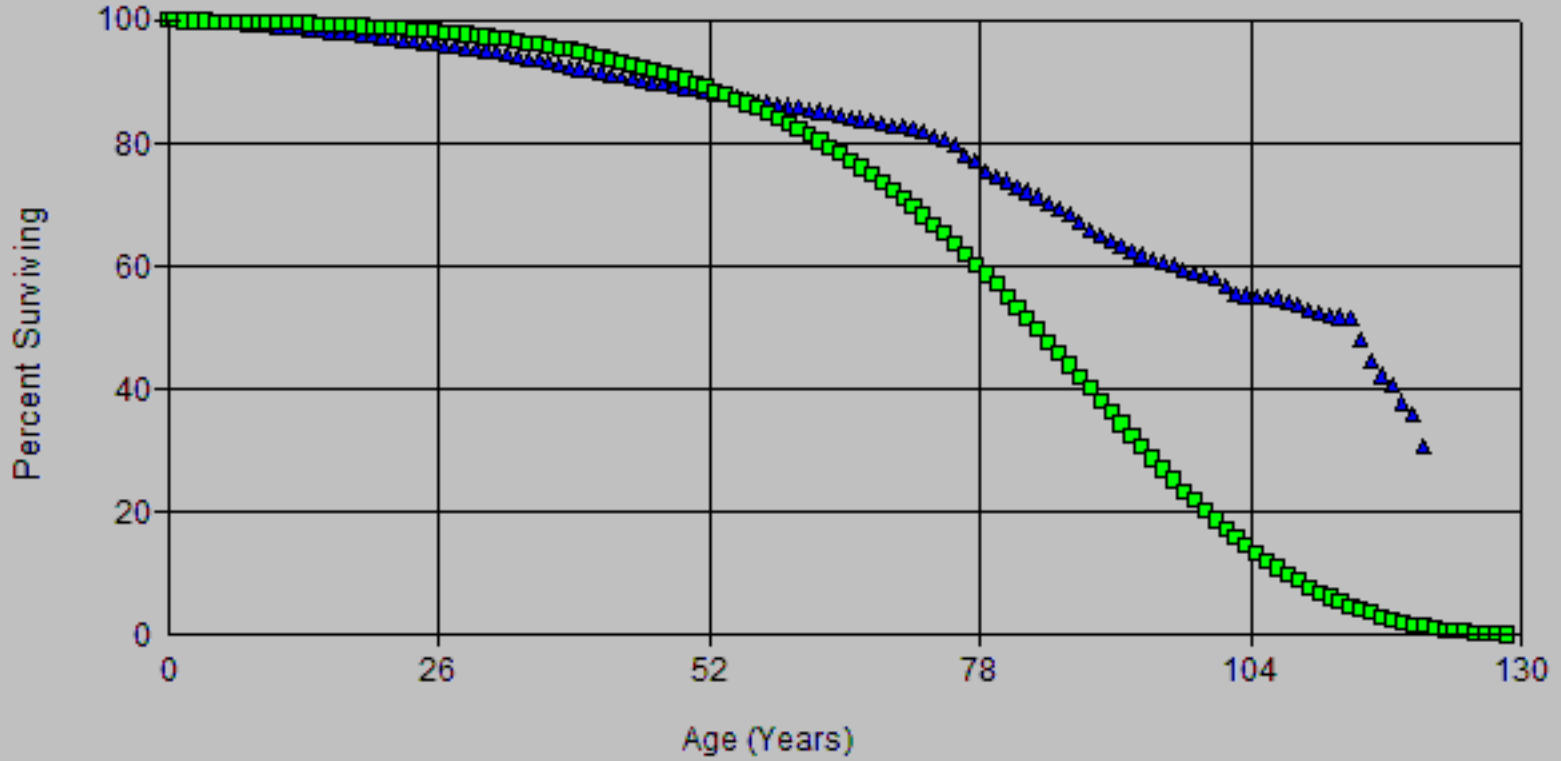
Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 70.00



Scenario: So California Gas @ 2020

▲ Actual Data ■ R3 80.00



Scenario: So California Gas @ 2020

▲ Actual Data ■ R4 80.00

