# California Secure Choice Retirement Savings Investment Board Contribution and Escalation Analysis 

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Submitted by AKF Consulting Group
АKT

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## Assumptions

| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return |  |
| Base Case 1 |  |
| Sensitivity 1 |  |
| Sensitivity 2 | $3 \%$ |
| Starting Age | $5 \%$ |
| Age of Retirement | $6.5 \%$ |
| Starting Hourly Wage |  |
| Hours Worked Per Year | 25 |
| Starting Annual Compensation | $\mathbf{6 1 5}$ |
| Increase in Annual Compensation | 2000 |


| Scenario Specific Assumptions |  |
| :---: | :---: |
| Scenario 1 |  |
| Beginning Default Contribution | 3\% |
| Annual Escalation | 1\% |
| Maximum Default Contribution | 8\% |
| Scenario 2 |  |
| Beginning Default Contribution | 5\% |
| Annual Escalation | 0.5\% |
| Maximum Default Contribution | 8\% |
| Scenario 3 |  |
| Beginning Default Contribution | 5\% |
| Annual Escalation | 1\% |
| Maximum Default Contribution | 8\% |


| Comparison of Overall Results: <br> Base Case - Assuming 3\% Net Investment Return |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Scenario 1 | Scenario 2 | Scenario 3 |
|  | 3\% Default 1\% Escalation | 5\% Default 0.5\% Escalation | 5\% Default 1\% Escalation |
| Payroll Contributions | \$116,340.12 | \$117,697.54 | \$119,088.54 |
| Earnings | \$95,219.35 | \$98,282.61 | \$101,107.14 |
| Total Funds Available At Retirement | \$211,559.46 | \$215,980.15 | \$220,195.68 |
| Contributions as \% of Total Funds | 54.99\% | 54.49\% | 54.08\% |
| Contributions compared to Scenario 1 | -- | \$1,357.42 | \$2,748.42 |
| Earnings compared to Scenario 1 | -- | \$3,063.26 | \$5,887.80 |
|  | -- | \$4,420.69 | \$8,636.22 |
| Funds Available Compared to 1 |  | 2.09\% | 4.08\% |


| Comparison of Overall Results: <br> Sensitivity 1 - Assuming 5\% Net Investment Return |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Scenario 1 | Scenario 2 | Scenario 3 |
|  | 3\% Default 1\% Escalation | 5\% Default 0.5\% Escalation | 5\% Default 1\% Escalation |
| Payroll Contributions | \$116,340.12 | \$117,697.54 | \$119,088.54 |
| Earnings | \$214,917.39 | \$223,088.06 | \$230,375.91 |
| Total Funds Available At Retirement | \$331,257.51 | \$340,785.60 | \$349,464.45 |
| Contributions as \% of Total Funds | 35.12\% | 34.54\% | 34.08\% |
| Contributions compared to Scenario 1 | -- | \$1,357.42 | \$2,748.42 |
| Earnings compared to Scenario 1 | -- | \$8,170.66 | \$15,458.52 |
|  | -- | \$9,528.09 | \$18,206.94 |
| Funds Available Compared to 1 |  | 2.88\% | 5.50\% |


| Comparison of Overall Results: <br> Sensitivity 2 - Assuming 6.5\% Net Investment Return |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Scenario 1 | Scenario 2 | Scenario 3 |
|  | 3\% Default 1\% Escalation | 5\% Default 0.5\% Escalation | 5\% Default 1\% Escalation |
| Payroll Contributions | \$116,340.12 | \$117,697.54 | \$119,088.54 |
| Earnings | \$357,804.01 | \$373,233.19 | \$386,631.14 |
| Total Funds Available At Retirement | \$474,144.13 | \$490,930.73 | \$505,719.68 |
| Contributions as \% of Total Funds | 24.54\% | 23.97\% | 23.55\% |
| Contributions compared to Scenario 1 | -- | \$1,357.42 | \$2,748.42 |
| Earnings compared to Scenario 1 | -- | \$15,429.17 | \$28,827.12 |
|  | -- | \$16,786.60 | \$31,575.54 |
| Funds Available Compared to 1 |  | 3.54\% | 6.66\% |

Summary of Results, continued

| Annual Payroll Contributions |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Age | Year | Scenario 1 | Scenario 2 | Scenario 3 |
| 25 | 1 | \$900.00 | \$1,500.00 | \$1,500.00 |
| 26 | 2 | \$1,212.00 | \$1,666.50 | \$1,818.00 |
| 27 | 3 | \$1,530.15 | \$1,836.18 | \$2,142.21 |
| 28 | 4 | \$1,854.54 | \$2,009.09 | \$2,472.72 |
| 29 | 5 | \$2,185.27 | \$2,185.27 | \$2,497.45 |
| 30 | 6 | \$2,522.42 | \$2,364.77 | \$2,522.42 |
| 31 | 7 | \$2,547.65 | \$2,547.65 | \$2,547.65 |
| 32 to 65 | 8 to 41 |  | cal across Sce |  |


| Monthly Payroll Contributions |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Age | Year | Scenario 1 | Scenario 2 | Scenario 3 |
| 25 | 1 | \$75.00 | \$125.00 | \$125.00 |
| 26 | 2 | \$101.00 | \$138.88 | \$151.50 |
| 27 | 3 | \$127.51 | \$153.02 | \$178.52 |
| 28 | 4 | \$154.55 | \$167.42 | \$206.06 |
| 29 | 5 | \$182.11 | \$182.11 | \$208.12 |
| 30 | 6 | \$210.20 | \$197.06 | \$210.20 |
| 31 | 7 | \$212.30 | \$212.30 | \$212.30 |
| 32 to 65 | 8 to 41 |  | al across Sce |  |


| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return | $3 \%$ |
| Starting Age | 25 |
| Age of Retirement | 65 |
|  |  |
| Starting Hourly Wage | $\$ 15$ |
| Hours Worked Per Year | 2000 |
| Starting Annual Compensation | $\$ 30,000$ |
| Increase in Annual Compensation | $1.0 \%$ |


| Scenario-Specific Assumptions |  |  |
| :--- | :---: | :--- |
|  |  |  |
| Default Contribution | Year 1 | $3 \%$ |
|  | Year 2 | $4 \%$ |
|  | Year 3 | $5 \%$ |
|  | Year 4 | $6 \%$ |
|  | Year 5 | $7 \%$ |
|  | Year 6+ | $8 \%$ |
|  |  |  |
|  |  |  |


| Age | Year | Beginning Balance | Contributions | Net Investment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net Balance | Return | Ending Balance |
| 25 | 1 | \$0.00 | \$900.00 | \$900.00 | \$13.50 | \$913.50 |
| 26 | 2 | \$913.50 | \$1,212.00 | \$2,125.50 | \$45.59 | \$2,171.09 |
| 27 | 3 | \$2,171.09 | \$1,530.15 | \$3,701.24 | \$88.08 | \$3,789.32 |
| 28 | 4 | \$3,789.32 | \$1,854.54 | \$5,643.86 | \$141.50 | \$5,785.36 |
| 29 | 5 | \$5,785.36 | \$2,185.27 | \$7,970.63 | \$206.34 | \$8,176.97 |
| 30 | 6 | \$8,176.97 | \$2,522.42 | \$10,699.39 | \$283.15 | \$10,982.54 |
| 31 | 7 | \$10,982.54 | \$2,547.65 | \$13,530.19 | \$367.69 | \$13,897.88 |
| 32 | 8 | \$13,897.88 | \$2,573.12 | \$16,471.00 | \$455.53 | \$16,926.53 |
| 33 | 9 | \$16,926.53 | \$2,598.86 | \$19,525.39 | \$546.78 | \$20,072.17 |
| 34 | 10 | \$20,072.17 | \$2,624.84 | \$22,697.01 | \$641.54 | \$23,338.55 |
| 35 | 11 | \$23,338.55 | \$2,651.09 | \$25,989.64 | \$739.92 | \$26,729.57 |
| 36 | 12 | \$26,729.57 | \$2,677.60 | \$29,407.17 | \$842.05 | \$30,249.22 |
| 37 | 13 | \$30,249.22 | \$2,704.38 | \$32,953.60 | \$948.04 | \$33,901.65 |
| 38 | 14 | \$33,901.65 | \$2,731.42 | \$36,633.07 | \$1,058.02 | \$37,691.09 |
| 39 | 15 | \$37,691.09 | \$2,758.74 | \$40,449.83 | \$1,172.11 | \$41,621.94 |
| 40 | 16 | \$41,621.94 | \$2,786.33 | \$44,408.27 | \$1,290.45 | \$45,698.72 |
| 41 | 17 | \$45,698.72 | \$2,814.19 | \$48,512.91 | \$1,413.17 | \$49,926.08 |
| 42 | 18 | \$49,926.08 | \$2,842.33 | \$52,768.41 | \$1,540.42 | \$54,308.83 |
| 43 | 19 | \$54,308.83 | \$2,870.75 | \$57,179.59 | \$1,672.33 | \$58,851.91 |
| 44 | 20 | \$58,851.91 | \$2,899.46 | \$61,751.37 | \$1,809.05 | \$63,560.42 |
| 45 | 21 | \$63,560.42 | \$2,928.46 | \$66,488.88 | \$1,950.74 | \$68,439.62 |
| 46 | 22 | \$68,439.62 | \$2,957.74 | \$71,397.36 | \$2,097.55 | \$73,494.91 |
| 47 | 23 | \$73,494.91 | \$2,987.32 | \$76,482.23 | \$2,249.66 | \$78,731.89 |
| 48 | 24 | \$78,731.89 | \$3,017.19 | \$81,749.08 | \$2,407.21 | \$84,156.29 |
| 49 | 25 | \$84,156.29 | \$3,047.36 | \$87,203.66 | \$2,570.40 | \$89,774.06 |
| 50 | 26 | \$89,774.06 | \$3,077.84 | \$92,851.89 | \$2,739.39 | \$95,591.28 |
| 51 | 27 | \$95,591.28 | \$3,108.62 | \$98,699.90 | \$2,914.37 | \$101,614.27 |
| 52 | 28 | \$101,614.27 | \$3,139.70 | \$104,753.97 | \$3,095.52 | \$107,849.49 |
| 53 | 29 | \$107,849.49 | \$3,171.10 | \$111,020.59 | \$3,283.05 | \$114,303.64 |
| 54 | 30 | \$114,303.64 | \$3,202.81 | \$117,506.45 | \$3,477.15 | \$120,983.60 |
| 55 | 31 | \$120,983.60 | \$3,234.84 | \$124,218.44 | \$3,678.03 | \$127,896.47 |
| 56 | 32 | \$127,896.47 | \$3,267.19 | \$131,163.65 | \$3,885.90 | \$135,049.56 |
| 57 | 33 | \$135,049.56 | \$3,299.86 | \$138,349.41 | \$4,100.98 | \$142,450.40 |
| 58 | 34 | \$142,450.40 | \$3,332.86 | \$145,783.25 | \$4,323.50 | \$150,106.76 |
| 59 | 35 | \$150,106.76 | \$3,366.18 | \$153,472.94 | \$4,553.70 | \$158,026.64 |
| 60 | 36 | \$158,026.64 | \$3,399.85 | \$161,426.49 | \$4,791.80 | \$166,218.28 |
| 61 | 37 | \$166,218.28 | \$3,433.85 | \$169,652.13 | \$5,038.06 | \$174,690.18 |
| 62 | 38 | \$174,690.18 | \$3,468.18 | \$178,158.37 | \$5,292.73 | \$183,451.10 |
| 63 | 39 | \$183,451.10 | \$3,502.87 | \$186,953.96 | \$5,556.08 | \$192,510.04 |
| 64 | 40 | \$192,510.04 | \$3,537.89 | \$196,047.93 | \$5,828.37 | \$201,876.30 |
| 65 | 41 | \$201,876.30 | \$3,573.27 | \$205,449.57 | \$6,109.89 | \$211,559.46 |
|  |  |  | \$116,340.12 |  | \$95,219.35 |  |


| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return | $3 \%$ |
| Starting Age | 25 |
| Age of Retirement | 65 |
|  |  |
| Starting Hourly Wage | $\$ 15$ |
| Hours Worked Per Year | 2000 |
| Starting Annual Compensation | $\$ 30,000$ |
| Increase in Annual Compensation | $1.0 \%$ |


| Scenario-Specific Assumptions |  |  |
| :--- | :---: | :---: |
|  |  |  |
| Default Contribution | Year 1 | $5 \%$ |
|  | Year 2 | $5.5 \%$ |
|  | Year 3 | $6.0 \%$ |
|  | Year 4 | $6.5 \%$ |
|  | Year 5 | $7.0 \%$ |
|  | Year 6 | $7.5 \%$ |
|  | Year 7+ | $8.0 \%$ |
|  |  |  |
|  |  |  |


| Age | Year | Beginning Balance | Contributions | Net Investment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net Balance | Return | Ending Balance |
| 25 | 1 | \$0.00 | \$1,500.00 | \$1,500.00 | \$22.50 | \$1,522.50 |
| 26 | 2 | \$1,522.50 | \$1,666.50 | \$3,189.00 | \$70.67 | \$3,259.67 |
| 27 | 3 | \$3,259.67 | \$1,836.18 | \$5,095.85 | \$125.33 | \$5,221.19 |
| 28 | 4 | \$5,221.19 | \$2,009.09 | \$7,230.27 | \$186.77 | \$7,417.04 |
| 29 | 5 | \$7,417.04 | \$2,185.27 | \$9,602.31 | \$255.29 | \$9,857.60 |
| 30 | 6 | \$9,857.60 | \$2,364.77 | \$12,222.38 | \$331.20 | \$12,553.58 |
| 31 | 7 | \$12,553.58 | \$2,547.65 | \$15,101.22 | \$414.82 | \$15,516.05 |
| 32 | 8 | \$15,516.05 | \$2,573.12 | \$18,089.17 | \$504.08 | \$18,593.25 |
| 33 | 9 | \$18,593.25 | \$2,598.86 | \$21,192.10 | \$596.78 | \$21,788.89 |
| 34 | 10 | \$21,788.89 | \$2,624.84 | \$24,413.73 | \$693.04 | \$25,106.77 |
| 35 | 11 | \$25,106.77 | \$2,651.09 | \$27,757.86 | \$792.97 | \$28,550.83 |
| 36 | 12 | \$28,550.83 | \$2,677.60 | \$31,228.44 | \$896.69 | \$32,125.12 |
| 37 | 13 | \$32,125.12 | \$2,704.38 | \$34,829.50 | \$1,004.32 | \$35,833.82 |
| 38 | 14 | \$35,833.82 | \$2,731.42 | \$38,565.25 | \$1,115.99 | \$39,681.23 |
| 39 | 15 | \$39,681.23 | \$2,758.74 | \$42,439.97 | \$1,231.82 | \$43,671.79 |
| 40 | 16 | \$43,671.79 | \$2,786.33 | \$46,458.12 | \$1,351.95 | \$47,810.06 |
| 41 | 17 | \$47,810.06 | \$2,814.19 | \$50,624.25 | \$1,476.51 | \$52,100.77 |
| 42 | 18 | \$52,100.77 | \$2,842.33 | \$54,943.10 | \$1,605.66 | \$56,548.76 |
| 43 | 19 | \$56,548.76 | \$2,870.75 | \$59,419.51 | \$1,739.52 | \$61,159.03 |
| 44 | 20 | \$61,159.03 | \$2,899.46 | \$64,058.50 | \$1,878.26 | \$65,936.76 |
| 45 | 21 | \$65,936.76 | \$2,928.46 | \$68,865.21 | \$2,022.03 | \$70,887.24 |
| 46 | 22 | \$70,887.24 | \$2,957.74 | \$73,844.99 | \$2,170.98 | \$76,015.97 |
| 47 | 23 | \$76,015.97 | \$2,987.32 | \$79,003.29 | \$2,325.29 | \$81,328.58 |
| 48 | 24 | \$81,328.58 | \$3,017.19 | \$84,345.77 | \$2,485.12 | \$86,830.88 |
| 49 | 25 | \$86,830.88 | \$3,047.36 | \$89,878.25 | \$2,650.64 | \$92,528.88 |
| 50 | 26 | \$92,528.88 | \$3,077.84 | \$95,606.72 | \$2,822.03 | \$98,428.75 |
| 51 | 27 | \$98,428.75 | \$3,108.62 | \$101,537.37 | \$2,999.49 | \$104,536.86 |
| 52 | 28 | \$104,536.86 | \$3,139.70 | \$107,676.56 | \$3,183.20 | \$110,859.76 |
| 53 | 29 | \$110,859.76 | \$3,171.10 | \$114,030.86 | \$3,373.36 | \$117,404.22 |
| 54 | 30 | \$117,404.22 | \$3,202.81 | \$120,607.03 | \$3,570.17 | \$124,177.20 |
| 55 | 31 | \$124,177.20 | \$3,234.84 | \$127,412.04 | \$3,773.84 | \$131,185.87 |
| 56 | 32 | \$131,185.87 | \$3,267.19 | \$134,453.06 | \$3,984.58 | \$138,437.64 |
| 57 | 33 | \$138,437.64 | \$3,299.86 | \$141,737.50 | \$4,202.63 | \$145,940.13 |
| 58 | 34 | \$145,940.13 | \$3,332.86 | \$149,272.98 | \$4,428.20 | \$153,701.18 |
| 59 | 35 | \$153,701.18 | \$3,366.18 | \$157,067.37 | \$4,661.53 | \$161,728.89 |
| 60 | 36 | \$161,728.89 | \$3,399.85 | \$165,128.74 | \$4,902.86 | \$170,031.61 |
| 61 | 37 | \$170,031.61 | \$3,433.85 | \$173,465.45 | \$5,152.46 | \$178,617.91 |
| 62 | 38 | \$178,617.91 | \$3,468.18 | \$182,086.09 | \$5,410.56 | \$187,496.65 |
| 63 | 39 | \$187,496.65 | \$3,502.87 | \$190,999.52 | \$5,677.44 | \$196,676.96 |
| 64 | 40 | \$196,676.96 | \$3,537.89 | \$200,214.85 | \$5,953.38 | \$206,168.23 |
| 65 | 41 | \$206,168.23 | \$3,573.27 | \$209,741.50 | \$6,238.65 | \$215,980.15 |
|  |  |  | \$117,697.54 |  | \$98,282.61 |  |


| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return | $3 \%$ |
| Starting Age | 25 |
| Age of Retirement | 65 |
|  |  |
| Starting Hourly Wage | $\$ 15$ |
| Hours Worked Per Year | 2000 |
| Starting Annual Compensation | $\$ 30,000$ |
| Increase in Annual Compensation | $1.0 \%$ |


| Scenario-Specific Assumptions |  |  |
| :---: | :---: | :---: |
| Default Contribution | Year 1 | 5\% |
|  | Year 2 | 6\% |
|  | Year 3 | 7\% |
|  | Year 4+ | 8\% |


|  |  |  |  |  | Net Investment | Rending Balance |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age | Year | Beginning Balance | Contributions | Net Balance | Return | E22.50 |


| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return | $5 \%$ |
| Starting Age | 25 |
| Age of Retirement | 65 |
|  |  |
| Starting Hourly Wage | $\$ 15$ |
| Hours Worked Per Year | 2000 |
| Starting Annual Compensation | $\$ 30,000$ |
| Increase in Annual Compensation | $1.0 \%$ |


| Scenario-Specific Assumptions |  |  |
| :--- | :---: | :--- |
|  |  |  |
| Default Contribution | Year 1 | $3 \%$ |
|  | Year 2 | $4 \%$ |
|  | Year 3 | $5 \%$ |
|  | Year 4 | $6 \%$ |
|  | Year 5 | $7 \%$ |
|  | Year 6+ | $8 \%$ |
|  |  |  |
|  |  |  |


| Age | Year | Beginning Balance | Contributions | Net Investment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net Balance | Return | Ending Balance |
| 25 | 1 | \$0.00 | \$900.00 | \$900.00 | \$22.50 | \$922.50 |
| 26 | 2 | \$922.50 | \$1,212.00 | \$2,134.50 | \$76.43 | \$2,210.93 |
| 27 | 3 | \$2,210.93 | \$1,530.15 | \$3,741.08 | \$148.80 | \$3,889.88 |
| 28 | 4 | \$3,889.88 | \$1,854.54 | \$5,744.42 | \$240.86 | \$5,985.27 |
| 29 | 5 | \$5,985.27 | \$2,185.27 | \$8,170.54 | \$353.90 | \$8,524.44 |
| 30 | 6 | \$8,524.44 | \$2,522.42 | \$11,046.86 | \$489.28 | \$11,536.14 |
| 31 | 7 | \$11,536.14 | \$2,547.65 | \$14,083.79 | \$640.50 | \$14,724.29 |
| 32 | 8 | \$14,724.29 | \$2,573.12 | \$17,297.42 | \$800.54 | \$18,097.96 |
| 33 | 9 | \$18,097.96 | \$2,598.86 | \$20,696.81 | \$969.87 | \$21,666.68 |
| 34 | 10 | \$21,666.68 | \$2,624.84 | \$24,291.53 | \$1,148.96 | \$25,440.48 |
| 35 | 11 | \$25,440.48 | \$2,651.09 | \$28,091.58 | \$1,338.30 | \$29,429.88 |
| 36 | 12 | \$29,429.88 | \$2,677.60 | \$32,107.48 | \$1,538.43 | \$33,645.92 |
| 37 | 13 | \$33,645.92 | \$2,704.38 | \$36,350.30 | \$1,749.91 | \$38,100.20 |
| 38 | 14 | \$38,100.20 | \$2,731.42 | \$40,831.63 | \$1,973.30 | \$42,804.92 |
| 39 | 15 | \$42,804.92 | \$2,758.74 | \$45,563.66 | \$2,209.21 | \$47,772.87 |
| 40 | 16 | \$47,772.87 | \$2,786.33 | \$50,559.20 | \$2,458.30 | \$53,017.50 |
| 41 | 17 | \$53,017.50 | \$2,814.19 | \$55,831.69 | \$2,721.23 | \$58,552.92 |
| 42 | 18 | \$58,552.92 | \$2,842.33 | \$61,395.25 | \$2,998.70 | \$64,393.96 |
| 43 | 19 | \$64,393.96 | \$2,870.75 | \$67,264.71 | \$3,291.47 | \$70,556.18 |
| 44 | 20 | \$70,556.18 | \$2,899.46 | \$73,455.64 | \$3,600.30 | \$77,055.93 |
| 45 | 21 | \$77,055.93 | \$2,928.46 | \$79,984.39 | \$3,926.01 | \$83,910.40 |
| 46 | 22 | \$83,910.40 | \$2,957.74 | \$86,868.14 | \$4,269.46 | \$91,137.60 |
| 47 | 23 | \$91,137.60 | \$2,987.32 | \$94,124.92 | \$4,631.56 | \$98,756.48 |
| 48 | 24 | \$98,756.48 | \$3,017.19 | \$101,773.67 | \$5,013.25 | \$106,786.93 |
| 49 | 25 | \$106,786.93 | \$3,047.36 | \$109,834.29 | \$5,415.53 | \$115,249.82 |
| 50 | 26 | \$115,249.82 | \$3,077.84 | \$118,327.66 | \$5,839.44 | \$124,167.09 |
| 51 | 27 | \$124,167.09 | \$3,108.62 | \$127,275.71 | \$6,286.07 | \$133,561.78 |
| 52 | 28 | \$133,561.78 | \$3,139.70 | \$136,701.48 | \$6,756.58 | \$143,458.06 |
| 53 | 29 | \$143,458.06 | \$3,171.10 | \$146,629.16 | \$7,252.18 | \$153,881.34 |
| 54 | 30 | \$153,881.34 | \$3,202.81 | \$157,084.15 | \$7,774.14 | \$164,858.29 |
| 55 | 31 | \$164,858.29 | \$3,234.84 | \$168,093.13 | \$8,323.79 | \$176,416.91 |
| 56 | 32 | \$176,416.91 | \$3,267.19 | \$179,684.10 | \$8,902.53 | \$188,586.62 |
| 57 | 33 | \$188,586.62 | \$3,299.86 | \$191,886.48 | \$9,511.83 | \$201,398.31 |
| 58 | 34 | \$201,398.31 | \$3,332.86 | \$204,731.16 | \$10,153.24 | \$214,884.40 |
| 59 | 35 | \$214,884.40 | \$3,366.18 | \$218,250.59 | \$10,828.37 | \$229,078.96 |
| 60 | 36 | \$229,078.96 | \$3,399.85 | \$232,478.81 | \$11,538.94 | \$244,017.75 |
| 61 | 37 | \$244,017.75 | \$3,433.85 | \$247,451.60 | \$12,286.73 | \$259,738.33 |
| 62 | 38 | \$259,738.33 | \$3,468.18 | \$263,206.51 | \$13,073.62 | \$276,280.13 |
| 63 | 39 | \$276,280.13 | \$3,502.87 | \$279,783.00 | \$13,901.58 | \$293,684.58 |
| 64 | 40 | \$293,684.58 | \$3,537.89 | \$297,222.47 | \$14,772.68 | \$311,995.15 |
| 65 | 41 | \$311,995.15 | \$3,573.27 | \$315,568.42 | \$15,689.09 | \$331,257.51 |
|  |  |  | \$116,340.12 |  | \$214,917.39 |  |


| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return | $5 \%$ |
| Starting Age | 25 |
| Age of Retirement | 65 |
|  |  |
| Starting Hourly Wage | $\$ 15$ |
| Hours Worked Per Year | 2000 |
| Starting Annual Compensation | $\$ 30,000$ |
| Increase in Annual Compensation | $1.0 \%$ |


| Scenario-Specific Assumptions |  |  |
| :--- | :---: | :---: |
|  |  |  |
| Default Contribution | Year 1 | $5 \%$ |
|  | Year 2 | $5.5 \%$ |
|  | Year 3 | $6.0 \%$ |
|  | Year 4 | $6.5 \%$ |
|  | Year 5 | $7.0 \%$ |
|  | Year 6 | $7.5 \%$ |
|  | Year 7+ | $8.0 \%$ |
|  |  |  |
|  |  |  |


| Age | Year | Beginning Balance | Contributions | Net Investment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net Balance | Return | Ending Balance |
| 25 | 1 | \$0.00 | \$1,500.00 | \$1,500.00 | \$37.50 | \$1,537.50 |
| 26 | 2 | \$1,537.50 | \$1,666.50 | \$3,204.00 | \$118.54 | \$3,322.54 |
| 27 | 3 | \$3,322.54 | \$1,836.18 | \$5,158.72 | \$212.03 | \$5,370.75 |
| 28 | 4 | \$5,370.75 | \$2,009.09 | \$7,379.84 | \$318.76 | \$7,698.60 |
| 29 | 5 | \$7,698.60 | \$2,185.27 | \$9,883.87 | \$439.56 | \$10,323.43 |
| 30 | 6 | \$10,323.43 | \$2,364.77 | \$12,688.20 | \$575.29 | \$13,263.49 |
| 31 | 7 | \$13,263.49 | \$2,547.65 | \$15,811.14 | \$726.87 | \$16,538.01 |
| 32 | 8 | \$16,538.01 | \$2,573.12 | \$19,111.13 | \$891.23 | \$20,002.36 |
| 33 | 9 | \$20,002.36 | \$2,598.86 | \$22,601.22 | \$1,065.09 | \$23,666.31 |
| 34 | 10 | \$23,666.31 | \$2,624.84 | \$26,291.15 | \$1,248.94 | \$27,540.09 |
| 35 | 11 | \$27,540.09 | \$2,651.09 | \$30,191.18 | \$1,443.28 | \$31,634.46 |
| 36 | 12 | \$31,634.46 | \$2,677.60 | \$34,312.07 | \$1,648.66 | \$35,960.73 |
| 37 | 13 | \$35,960.73 | \$2,704.38 | \$38,665.11 | \$1,865.65 | \$40,530.76 |
| 38 | 14 | \$40,530.76 | \$2,731.42 | \$43,262.18 | \$2,094.82 | \$45,357.00 |
| 39 | 15 | \$45,357.00 | \$2,758.74 | \$48,115.74 | \$2,336.82 | \$50,452.56 |
| 40 | 16 | \$50,452.56 | \$2,786.33 | \$53,238.89 | \$2,592.29 | \$55,831.17 |
| 41 | 17 | \$55,831.17 | \$2,814.19 | \$58,645.36 | \$2,861.91 | \$61,507.27 |
| 42 | 18 | \$61,507.27 | \$2,842.33 | \$64,349.61 | \$3,146.42 | \$67,496.03 |
| 43 | 19 | \$67,496.03 | \$2,870.75 | \$70,366.78 | \$3,446.57 | \$73,813.35 |
| 44 | 20 | \$73,813.35 | \$2,899.46 | \$76,712.81 | \$3,763.15 | \$80,475.97 |
| 45 | 21 | \$80,475.97 | \$2,928.46 | \$83,404.42 | \$4,097.01 | \$87,501.43 |
| 46 | 22 | \$87,501.43 | \$2,957.74 | \$90,459.17 | \$4,449.02 | \$94,908.19 |
| 47 | 23 | \$94,908.19 | \$2,987.32 | \$97,895.51 | \$4,820.09 | \$102,715.60 |
| 48 | 24 | \$102,715.60 | \$3,017.19 | \$105,732.79 | \$5,211.21 | \$110,944.00 |
| 49 | 25 | \$110,944.00 | \$3,047.36 | \$113,991.36 | \$5,623.38 | \$119,614.75 |
| 50 | 26 | \$119,614.75 | \$3,077.84 | \$122,692.58 | \$6,057.68 | \$128,750.27 |
| 51 | 27 | \$128,750.27 | \$3,108.62 | \$131,858.88 | \$6,515.23 | \$138,374.11 |
| 52 | 28 | \$138,374.11 | \$3,139.70 | \$141,513.81 | \$6,997.20 | \$148,511.01 |
| 53 | 29 | \$148,511.01 | \$3,171.10 | \$151,682.11 | \$7,504.83 | \$159,186.94 |
| 54 | 30 | \$159,186.94 | \$3,202.81 | \$162,389.75 | \$8,039.42 | \$170,429.16 |
| 55 | 31 | \$170,429.16 | \$3,234.84 | \$173,664.00 | \$8,602.33 | \$182,266.33 |
| 56 | 32 | \$182,266.33 | \$3,267.19 | \$185,533.52 | \$9,195.00 | \$194,728.51 |
| 57 | 33 | \$194,728.51 | \$3,299.86 | \$198,028.37 | \$9,818.92 | \$207,847.29 |
| 58 | 34 | \$207,847.29 | \$3,332.86 | \$211,180.15 | \$10,475.69 | \$221,655.83 |
| 59 | 35 | \$221,655.83 | \$3,366.18 | \$225,022.02 | \$11,166.95 | \$236,188.96 |
| 60 | 36 | \$236,188.96 | \$3,399.85 | \$239,588.81 | \$11,894.44 | \$251,483.26 |
| 61 | 37 | \$251,483.26 | \$3,433.85 | \$254,917.10 | \$12,660.01 | \$267,577.11 |
| 62 | 38 | \$267,577.11 | \$3,468.18 | \$271,045.29 | \$13,465.56 | \$284,510.85 |
| 63 | 39 | \$284,510.85 | \$3,502.87 | \$288,013.72 | \$14,313.11 | \$302,326.83 |
| 64 | 40 | \$302,326.83 | \$3,537.89 | \$305,864.73 | \$15,204.79 | \$321,069.52 |
| 65 | 41 | \$321,069.52 | \$3,573.27 | \$324,642.79 | \$16,142.81 | \$340,785.60 |
|  |  |  | \$117,697.54 |  | \$223,088.06 |  |


| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return | $5 \%$ |
| Starting Age | 25 |
| Age of Retirement | 65 |
|  |  |
| Starting Hourly Wage | $\$ 15$ |
| Hours Worked Per Year | 2000 |
| Starting Annual Compensation | $\$ 30,000$ |
| Increase in Annual Compensation | $1.0 \%$ |


| Scenario-Specific Assumptions |  |  |
| :---: | :---: | :---: |
| Default Contribution | Year 1 | 5\% |
|  | Year 2 | 6\% |
|  | Year 3 | 7\% |
|  | Year 4+ | 8\% |


| Age | Year | Beginning Balance | Contributions | Net Investment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net Balance | Return | Ending Balance |
| 25 | 1 | \$0.00 | \$1,500.00 | \$1,500.00 | \$37.50 | \$1,537.50 |
| 26 | 2 | \$1,537.50 | \$1,818.00 | \$3,355.50 | \$122.33 | \$3,477.83 |
| 27 | 3 | \$3,477.83 | \$2,142.21 | \$5,620.04 | \$227.45 | \$5,847.48 |
| 28 | 4 | \$5,847.48 | \$2,472.72 | \$8,320.20 | \$354.19 | \$8,674.40 |
| 29 | 5 | \$8,674.40 | \$2,497.45 | \$11,171.85 | \$496.16 | \$11,668.00 |
| 30 | 6 | \$11,668.00 | \$2,522.42 | \$14,190.43 | \$646.46 | \$14,836.89 |
| 31 | 7 | \$14,836.89 | \$2,547.65 | \$17,384.53 | \$805.54 | \$18,190.07 |
| 32 | 8 | \$18,190.07 | \$2,573.12 | \$20,763.20 | \$973.83 | \$21,737.03 |
| 33 | 9 | \$21,737.03 | \$2,598.86 | \$24,335.88 | \$1,151.82 | \$25,487.71 |
| 34 | 10 | \$25,487.71 | \$2,624.84 | \$28,112.55 | \$1,340.01 | \$29,452.56 |
| 35 | 11 | \$29,452.56 | \$2,651.09 | \$32,103.65 | \$1,538.91 | \$33,642.56 |
| 36 | 12 | \$33,642.56 | \$2,677.60 | \$36,320.16 | \$1,749.07 | \$38,069.23 |
| 37 | 13 | \$38,069.23 | \$2,704.38 | \$40,773.61 | \$1,971.07 | \$42,744.68 |
| 38 | 14 | \$42,744.68 | \$2,731.42 | \$45,476.10 | \$2,205.52 | \$47,681.62 |
| 39 | 15 | \$47,681.62 | \$2,758.74 | \$50,440.36 | \$2,453.05 | \$52,893.41 |
| 40 | 16 | \$52,893.41 | \$2,786.33 | \$55,679.73 | \$2,714.33 | \$58,394.06 |
| 41 | 17 | \$58,394.06 | \$2,814.19 | \$61,208.25 | \$2,990.06 | \$64,198.31 |
| 42 | 18 | \$64,198.31 | \$2,842.33 | \$67,040.64 | \$3,280.97 | \$70,321.61 |
| 43 | 19 | \$70,321.61 | \$2,870.75 | \$73,192.37 | \$3,587.85 | \$76,780.22 |
| 44 | 20 | \$76,780.22 | \$2,899.46 | \$79,679.68 | \$3,911.50 | \$83,591.18 |
| 45 | 21 | \$83,591.18 | \$2,928.46 | \$86,519.63 | \$4,252.77 | \$90,772.40 |
| 46 | 22 | \$90,772.40 | \$2,957.74 | \$93,730.14 | \$4,612.56 | \$98,342.71 |
| 47 | 23 | \$98,342.71 | \$2,987.32 | \$101,330.02 | \$4,991.82 | \$106,321.84 |
| 48 | 24 | \$106,321.84 | \$3,017.19 | \$109,339.03 | \$5,391.52 | \$114,730.56 |
| 49 | 25 | \$114,730.56 | \$3,047.36 | \$117,777.92 | \$5,812.71 | \$123,590.63 |
| 50 | 26 | \$123,590.63 | \$3,077.84 | \$126,668.47 | \$6,256.48 | \$132,924.95 |
| 51 | 27 | \$132,924.95 | \$3,108.62 | \$136,033.56 | \$6,723.96 | \$142,757.52 |
| 52 | 28 | \$142,757.52 | \$3,139.70 | \$145,897.22 | \$7,216.37 | \$153,113.59 |
| 53 | 29 | \$153,113.59 | \$3,171.10 | \$156,284.69 | \$7,734.96 | \$164,019.65 |
| 54 | 30 | \$164,019.65 | \$3,202.81 | \$167,222.46 | \$8,281.05 | \$175,503.51 |
| 55 | 31 | \$175,503.51 | \$3,234.84 | \$178,738.35 | \$8,856.05 | \$187,594.39 |
| 56 | 32 | \$187,594.39 | \$3,267.19 | \$190,861.58 | \$9,461.40 | \$200,322.98 |
| 57 | 33 | \$200,322.98 | \$3,299.86 | \$203,622.84 | \$10,098.65 | \$213,721.48 |
| 58 | 34 | \$213,721.48 | \$3,332.86 | \$217,054.34 | \$10,769.40 | \$227,823.73 |
| 59 | 35 | \$227,823.73 | \$3,366.18 | \$231,189.92 | \$11,475.34 | \$242,665.26 |
| 60 | 36 | \$242,665.26 | \$3,399.85 | \$246,065.11 | \$12,218.26 | \$258,283.37 |
| 61 | 37 | \$258,283.37 | \$3,433.85 | \$261,717.21 | \$13,000.01 | \$274,717.23 |
| 62 | 38 | \$274,717.23 | \$3,468.18 | \$278,185.41 | \$13,822.57 | \$292,007.98 |
| 63 | 39 | \$292,007.98 | \$3,502.87 | \$295,510.84 | \$14,687.97 | \$310,198.81 |
| 64 | 40 | \$310,198.81 | \$3,537.89 | \$313,736.71 | \$15,598.39 | \$329,335.09 |
| 65 | 41 | \$329,335.09 | \$3,573.27 | \$332,908.37 | \$16,556.09 | \$349,464.45 |
|  |  |  | \$119,088.54 |  | \$230,375.91 |  |


| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return | $6.5 \%$ |
| Starting Age | 25 |
| Age of Retirement | 65 |
|  |  |
| Starting Hourly Wage | $\$ 15$ |
| Hours Worked Per Year | 2000 |
| Starting Annual Compensation | $\$ 30,000$ |
| Increase in Annual Compensation | $1.0 \%$ |


| Scenario-Specific Assumptions |  |  |
| :--- | :---: | :--- |
|  |  |  |
| Default Contribution | Year 1 | $3 \%$ |
|  | Year 2 | $4 \%$ |
|  | Year 3 | $5 \%$ |
|  | Year 4 | $6 \%$ |
|  | Year 5 | $7 \%$ |
|  | Year 6+ | $8 \%$ |
|  |  |  |
|  |  |  |


| Age | Year | Beginning Balance | Contributions | Net Investment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net Balance | Return | Ending Balance |
| 25 | 1 | \$0.00 | \$900.00 | \$900.00 | \$29.25 | \$929.25 |
| 26 | 2 | \$929.25 | \$1,212.00 | \$2,141.25 | \$99.79 | \$2,241.04 |
| 27 | 3 | \$2,241.04 | \$1,530.15 | \$3,771.19 | \$195.40 | \$3,966.59 |
| 28 | 4 | \$3,966.59 | \$1,854.54 | \$5,821.13 | \$318.10 | \$6,139.23 |
| 29 | 5 | \$6,139.23 | \$2,185.27 | \$8,324.50 | \$470.07 | \$8,794.57 |
| 30 | 6 | \$8,794.57 | \$2,522.42 | \$11,317.00 | \$653.63 | \$11,970.62 |
| 31 | 7 | \$11,970.62 | \$2,547.65 | \$14,518.27 | \$860.89 | \$15,379.16 |
| 32 | 8 | \$15,379.16 | \$2,573.12 | \$17,952.28 | \$1,083.27 | \$19,035.56 |
| 33 | 9 | \$19,035.56 | \$2,598.86 | \$21,634.41 | \$1,321.77 | \$22,956.19 |
| 34 | 10 | \$22,956.19 | \$2,624.84 | \$25,581.03 | \$1,577.46 | \$27,158.49 |
| 35 | 11 | \$27,158.49 | \$2,651.09 | \$29,809.58 | \$1,851.46 | \$31,661.04 |
| 36 | 12 | \$31,661.04 | \$2,677.60 | \$34,338.65 | \$2,144.99 | \$36,483.64 |
| 37 | 13 | \$36,483.64 | \$2,704.38 | \$39,188.02 | \$2,459.33 | \$41,647.35 |
| 38 | 14 | \$41,647.35 | \$2,731.42 | \$44,378.77 | \$2,795.85 | \$47,174.62 |
| 39 | 15 | \$47,174.62 | \$2,758.74 | \$49,933.36 | \$3,156.01 | \$53,089.37 |
| 40 | 16 | \$53,089.37 | \$2,786.33 | \$55,875.69 | \$3,541.36 | \$59,417.06 |
| 41 | 17 | \$59,417.06 | \$2,814.19 | \$62,231.25 | \$3,953.57 | \$66,184.82 |
| 42 | 18 | \$66,184.82 | \$2,842.33 | \$69,027.15 | \$4,394.39 | \$73,421.54 |
| 43 | 19 | \$73,421.54 | \$2,870.75 | \$76,292.29 | \$4,865.70 | \$81,157.99 |
| 44 | 20 | \$81,157.99 | \$2,899.46 | \$84,057.45 | \$5,369.50 | \$89,426.95 |
| 45 | 21 | \$89,426.95 | \$2,928.46 | \$92,355.41 | \$5,907.93 | \$98,263.34 |
| 46 | 22 | \$98,263.34 | \$2,957.74 | \$101,221.08 | \$6,483.24 | \$107,704.32 |
| 47 | 23 | \$107,704.32 | \$2,987.32 | \$110,691.64 | \$7,097.87 | \$117,789.51 |
| 48 | 24 | \$117,789.51 | \$3,017.19 | \$120,806.70 | \$7,754.38 | \$128,561.07 |
| 49 | 25 | \$128,561.07 | \$3,047.36 | \$131,608.44 | \$8,455.51 | \$140,063.95 |
| 50 | 26 | \$140,063.95 | \$3,077.84 | \$143,141.78 | \$9,204.19 | \$152,345.97 |
| 51 | 27 | \$152,345.97 | \$3,108.62 | \$155,454.58 | \$10,003.52 | \$165,458.10 |
| 52 | 28 | \$165,458.10 | \$3,139.70 | \$168,597.80 | \$10,856.82 | \$179,454.62 |
| 53 | 29 | \$179,454.62 | \$3,171.10 | \$182,625.72 | \$11,767.61 | \$194,393.33 |
| 54 | 30 | \$194,393.33 | \$3,202.81 | \$197,596.14 | \$12,739.66 | \$210,335.80 |
| 55 | 31 | \$210,335.80 | \$3,234.84 | \$213,570.63 | \$13,776.96 | \$227,347.59 |
| 56 | 32 | \$227,347.59 | \$3,267.19 | \$230,614.78 | \$14,883.78 | \$245,498.56 |
| 57 | 33 | \$245,498.56 | \$3,299.86 | \$248,798.41 | \$16,064.65 | \$264,863.07 |
| 58 | 34 | \$264,863.07 | \$3,332.86 | \$268,195.92 | \$17,324.42 | \$285,520.34 |
| 59 | 35 | \$285,520.34 | \$3,366.18 | \$288,886.52 | \$18,668.22 | \$307,554.75 |
| 60 | 36 | \$307,554.75 | \$3,399.85 | \$310,954.59 | \$20,101.55 | \$331,056.15 |
| 61 | 37 | \$331,056.15 | \$3,433.85 | \$334,489.99 | \$21,630.25 | \$356,120.24 |
| 62 | 38 | \$356,120.24 | \$3,468.18 | \$359,588.43 | \$23,260.53 | \$382,848.96 |
| 63 | 39 | \$382,848.96 | \$3,502.87 | \$386,351.82 | \$24,999.03 | \$411,350.85 |
| 64 | 40 | \$411,350.85 | \$3,537.89 | \$414,888.74 | \$26,852.79 | \$441,741.53 |
| 65 | 41 | \$441,741.53 | \$3,573.27 | \$445,314.80 | \$28,829.33 | \$474,144.13 |
|  |  |  | \$116,340.12 |  | \$357,804.01 |  |


| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return | $6.5 \%$ |
| Starting Age | 25 |
| Age of Retirement | 65 |
|  |  |
| Starting Hourly Wage | $\$ 15$ |
| Hours Worked Per Year | 2000 |
| Starting Annual Compensation | $\$ 30,000$ |
| Increase in Annual Compensation | $1.0 \%$ |


| Scenario-Specific Assumptions |  |  |
| :---: | :---: | :---: |
|  |  |  |
| Default Contribution | Year 1 | $5 \%$ |
|  | Year 2 | $5.5 \%$ |
|  | Year 3 | $6.0 \%$ |
|  | Year 4 | $6.5 \%$ |
|  | Year 5 | $7.0 \%$ |
|  | Year 6 | $7.5 \%$ |
|  | Year 7+ | $8.0 \%$ |
|  |  |  |
|  |  |  |


| Age | Year | Beginning Balance | Contributions | Net Investment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net Balance | Return | Ending Balance |
| 25 | 1 | \$0.00 | \$1,500.00 | \$1,500.00 | \$48.75 | \$1,548.75 |
| 26 | 2 | \$1,548.75 | \$1,666.50 | \$3,215.25 | \$154.83 | \$3,370.08 |
| 27 | 3 | \$3,370.08 | \$1,836.18 | \$5,206.26 | \$278.73 | \$5,484.99 |
| 28 | 4 | \$5,484.99 | \$2,009.09 | \$7,494.08 | \$421.82 | \$7,915.90 |
| 29 | 5 | \$7,915.90 | \$2,185.27 | \$10,101.17 | \$585.55 | \$10,686.72 |
| 30 | 6 | \$10,686.72 | \$2,364.77 | \$13,051.49 | \$771.49 | \$13,822.99 |
| 31 | 7 | \$13,822.99 | \$2,547.65 | \$16,370.63 | \$981.29 | \$17,351.93 |
| 32 | 8 | \$17,351.93 | \$2,573.12 | \$19,925.05 | \$1,211.50 | \$21,136.55 |
| 33 | 9 | \$21,136.55 | \$2,598.86 | \$23,735.41 | \$1,458.34 | \$25,193.75 |
| 34 | 10 | \$25,193.75 | \$2,624.84 | \$27,818.59 | \$1,722.90 | \$29,541.49 |
| 35 | 11 | \$29,541.49 | \$2,651.09 | \$32,192.59 | \$2,006.36 | \$34,198.94 |
| 36 | 12 | \$34,198.94 | \$2,677.60 | \$36,876.55 | \$2,309.95 | \$39,186.50 |
| 37 | 13 | \$39,186.50 | \$2,704.38 | \$41,890.88 | \$2,635.01 | \$44,525.90 |
| 38 | 14 | \$44,525.90 | \$2,731.42 | \$47,257.32 | \$2,982.95 | \$50,240.28 |
| 39 | 15 | \$50,240.28 | \$2,758.74 | \$52,999.01 | \$3,355.28 | \$56,354.29 |
| 40 | 16 | \$56,354.29 | \$2,786.33 | \$59,140.62 | \$3,753.58 | \$62,894.20 |
| 41 | 17 | \$62,894.20 | \$2,814.19 | \$65,708.39 | \$4,179.58 | \$69,887.97 |
| 42 | 18 | \$69,887.97 | \$2,842.33 | \$72,730.30 | \$4,635.09 | \$77,365.40 |
| 43 | 19 | \$77,365.40 | \$2,870.75 | \$80,236.15 | \$5,122.05 | \$85,358.20 |
| 44 | 20 | \$85,358.20 | \$2,899.46 | \$88,257.66 | \$5,642.52 | \$93,900.18 |
| 45 | 21 | \$93,900.18 | \$2,928.46 | \$96,828.64 | \$6,198.69 | \$103,027.32 |
| 46 | 22 | \$103,027.32 | \$2,957.74 | \$105,985.06 | \$6,792.90 | \$112,777.96 |
| 47 | 23 | \$112,777.96 | \$2,987.32 | \$115,765.28 | \$7,427.66 | \$123,192.94 |
| 48 | 24 | \$123,192.94 | \$3,017.19 | \$126,210.13 | \$8,105.60 | \$134,315.73 |
| 49 | 25 | \$134,315.73 | \$3,047.36 | \$137,363.09 | \$8,829.56 | \$146,192.65 |
| 50 | 26 | \$146,192.65 | \$3,077.84 | \$149,270.49 | \$9,602.55 | \$158,873.04 |
| 51 | 27 | \$158,873.04 | \$3,108.62 | \$161,981.66 | \$10,427.78 | \$172,409.44 |
| 52 | 28 | \$172,409.44 | \$3,139.70 | \$175,549.14 | \$11,308.65 | \$186,857.79 |
| 53 | 29 | \$186,857.79 | \$3,171.10 | \$190,028.89 | \$12,248.82 | \$202,277.71 |
| 54 | 30 | \$202,277.71 | \$3,202.81 | \$205,480.52 | \$13,252.14 | \$218,732.66 |
| 55 | 31 | \$218,732.66 | \$3,234.84 | \$221,967.50 | \$14,322.75 | \$236,290.25 |
| 56 | 32 | \$236,290.25 | \$3,267.19 | \$239,557.44 | \$15,465.05 | \$255,022.49 |
| 57 | 33 | \$255,022.49 | \$3,299.86 | \$258,322.34 | \$16,683.71 | \$275,006.05 |
| 58 | 34 | \$275,006.05 | \$3,332.86 | \$278,338.91 | \$17,983.71 | \$296,322.62 |
| 59 | 35 | \$296,322.62 | \$3,366.18 | \$299,688.80 | \$19,370.37 | \$319,059.17 |
| 60 | 36 | \$319,059.17 | \$3,399.85 | \$322,459.02 | \$20,849.34 | \$343,308.36 |
| 61 | 37 | \$343,308.36 | \$3,433.85 | \$346,742.21 | \$22,426.64 | \$369,168.85 |
| 62 | 38 | \$369,168.85 | \$3,468.18 | \$372,637.03 | \$24,108.69 | \$396,745.72 |
| 63 | 39 | \$396,745.72 | \$3,502.87 | \$400,248.59 | \$25,902.32 | \$426,150.91 |
| 64 | 40 | \$426,150.91 | \$3,537.89 | \$429,688.80 | \$27,814.79 | \$457,503.59 |
| 65 | 41 | \$457,503.59 | \$3,573.27 | \$461,076.86 | \$29,853.86 | \$490,930.73 |
|  |  |  | \$117,697.54 |  | \$373,233.19 |  |


| General Assumptions |  |
| :--- | :---: |
| Net Annual Investment Return | $6.5 \%$ |
| Starting Age | 25 |
| Age of Retirement | 65 |
|  |  |
| Starting Hourly Wage | $\$ 15$ |
| Hours Worked Per Year | 2000 |
| Starting Annual Compensation | $\$ 30,000$ |
| Increase in Annual Compensation | $1.0 \%$ |


| Scenario-Specific Assumptions |  |  |
| :---: | :---: | :---: |
| Default Contribution | Year 1 | 5\% |
|  | Year 2 | 6\% |
|  | Year 3 | 7\% |
|  | Year 4+ | 8\% |


| Age | Year | Beginning Balance | Contributions | Net Investment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net Balance | Return | Ending Balance |
| 25 | 1 | \$0.00 | \$1,500.00 | \$1,500.00 | \$48.75 | \$1,548.75 |
| 26 | 2 | \$1,548.75 | \$1,818.00 | \$3,366.75 | \$159.75 | \$3,526.50 |
| 27 | 3 | \$3,526.50 | \$2,142.21 | \$5,668.71 | \$298.84 | \$5,967.56 |
| 28 | 4 | \$5,967.56 | \$2,472.72 | \$8,440.28 | \$468.25 | \$8,908.54 |
| 29 | 5 | \$8,908.54 | \$2,497.45 | \$11,405.99 | \$660.22 | \$12,066.21 |
| 30 | 6 | \$12,066.21 | \$2,522.42 | \$14,588.63 | \$866.28 | \$15,454.91 |
| 31 | 7 | \$15,454.91 | \$2,547.65 | \$18,002.56 | \$1,087.37 | \$19,089.93 |
| 32 | 8 | \$19,089.93 | \$2,573.12 | \$21,663.05 | \$1,324.47 | \$22,987.53 |
| 33 | 9 | \$22,987.53 | \$2,598.86 | \$25,586.38 | \$1,578.65 | \$27,165.03 |
| 34 | 10 | \$27,165.03 | \$2,624.84 | \$29,789.88 | \$1,851.03 | \$31,640.91 |
| 35 | 11 | \$31,640.91 | \$2,651.09 | \$34,292.01 | \$2,142.82 | \$36,434.83 |
| 36 | 12 | \$36,434.83 | \$2,677.60 | \$39,112.43 | \$2,455.29 | \$41,567.72 |
| 37 | 13 | \$41,567.72 | \$2,704.38 | \$44,272.10 | \$2,789.79 | \$47,061.89 |
| 38 | 14 | \$47,061.89 | \$2,731.42 | \$49,793.31 | \$3,147.79 | \$52,941.11 |
| 39 | 15 | \$52,941.11 | \$2,758.74 | \$55,699.85 | \$3,530.83 | \$59,230.68 |
| 40 | 16 | \$59,230.68 | \$2,786.33 | \$62,017.00 | \$3,940.55 | \$65,957.55 |
| 41 | 17 | \$65,957.55 | \$2,814.19 | \$68,771.74 | \$4,378.70 | \$73,150.44 |
| 42 | 18 | \$73,150.44 | \$2,842.33 | \$75,992.77 | \$4,847.15 | \$80,839.93 |
| 43 | 19 | \$80,839.93 | \$2,870.75 | \$83,710.68 | \$5,347.89 | \$89,058.58 |
| 44 | 20 | \$89,058.58 | \$2,899.46 | \$91,958.04 | \$5,883.04 | \$97,841.08 |
| 45 | 21 | \$97,841.08 | \$2,928.46 | \$100,769.54 | \$6,454.85 | \$107,224.38 |
| 46 | 22 | \$107,224.38 | \$2,957.74 | \$110,182.12 | \$7,065.71 | \$117,247.83 |
| 47 | 23 | \$117,247.83 | \$2,987.32 | \$120,235.15 | \$7,718.20 | \$127,953.35 |
| 48 | 24 | \$127,953.35 | \$3,017.19 | \$130,970.54 | \$8,415.03 | \$139,385.57 |
| 49 | 25 | \$139,385.57 | \$3,047.36 | \$142,432.93 | \$9,159.10 | \$151,592.03 |
| 50 | 26 | \$151,592.03 | \$3,077.84 | \$154,669.87 | \$9,953.51 | \$164,623.38 |
| 51 | 27 | \$164,623.38 | \$3,108.62 | \$167,731.99 | \$10,801.55 | \$178,533.54 |
| 52 | 28 | \$178,533.54 | \$3,139.70 | \$181,673.24 | \$11,706.72 | \$193,379.97 |
| 53 | 29 | \$193,379.97 | \$3,171.10 | \$196,551.06 | \$12,672.76 | \$209,223.82 |
| 54 | 30 | \$209,223.82 | \$3,202.81 | \$212,426.63 | \$13,703.64 | \$226,130.27 |
| 55 | 31 | \$226,130.27 | \$3,234.84 | \$229,365.11 | \$14,803.60 | \$244,168.71 |
| 56 | 32 | \$244,168.71 | \$3,267.19 | \$247,435.89 | \$15,977.15 | \$263,413.04 |
| 57 | 33 | \$263,413.04 | \$3,299.86 | \$266,712.90 | \$17,229.09 | \$283,941.99 |
| 58 | 34 | \$283,941.99 | \$3,332.86 | \$287,274.85 | \$18,564.55 | \$305,839.40 |
| 59 | 35 | \$305,839.40 | \$3,366.18 | \$309,205.58 | \$19,988.96 | \$329,194.54 |
| 60 | 36 | \$329,194.54 | \$3,399.85 | \$332,594.39 | \$21,508.14 | \$354,102.53 |
| 61 | 37 | \$354,102.53 | \$3,433.85 | \$357,536.38 | \$23,128.26 | \$380,664.64 |
| 62 | 38 | \$380,664.64 | \$3,468.18 | \$384,132.82 | \$24,855.92 | \$408,988.74 |
| 63 | 39 | \$408,988.74 | \$3,502.87 | \$412,491.61 | \$26,698.11 | \$439,189.72 |
| 64 | 40 | \$439,189.72 | \$3,537.89 | \$442,727.61 | \$28,662.31 | \$471,389.93 |
| 65 | 41 | \$471,389.93 | \$3,573.27 | \$474,963.20 | \$30,756.48 | \$505,719.68 |
|  |  |  | \$119,088.54 |  | \$386,631.14 |  |

