# WESTERN STATES OFFICE AND PROFESSIONAL EMPLOYEES PENSION FUND SUSPENSION APPLICATION

#### **Exhibit 9**

Exhibit 9: Page 1 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2044

| Plan Year Beginning Plan Year Ending              | 1/1/2016<br>12/31/2016 | 1/1/2017<br>12/31/2017 | 1/1/2018<br>12/31/2018 | 1/1/2019<br>12/31/2019 | 1/1/2020<br>12/31/2020 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 334,210,200            | 325,872,761            | 308,407,868            | 298,080,292            | 287,708,858            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 4,477,091              | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions           | 3,113,918              | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments                  | 3,143,651              | 3,997,686              | 3,994,682              | 3,990,018              | 3,986,838              |
| E. Total Investment Income                        | 21,054,925             | 13,480,650             | 13,677,750             | 13,964,010             | 14,192,315             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 39,127,024             | 41,113,959             | 34,470,738             | 34,796,192             | 35,085,545             |
| G. Administrative expenses                        | 1,000,000              | 1,000,000              | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 325,872,761            | 308,407,868            | 298,080,292            | 287,708,858            | 277,273,196            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 364,999,785            | 349,521,827            | 332,551,030            | 322,505,050            | 312,358,741            |
| J. Solvency Ratio (I / F)                         | 9.33                   | 8.50                   | 9.65                   | 9.27                   | 8.90                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 529,954,836<br>63.06%  | 430,063,669<br>75.77%  | 416,163,695<br>74.11%  | 412,416,101<br>72.28%  | 408,059,554<br>70.51%  |

Exhibit 9: Page 2 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2044

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2021<br>12/31/2021 | 1/1/2022<br>12/31/2022 | 1/1/2023<br>12/31/2023 | 1/1/2024<br>12/31/2024 | 1/1/2025<br>12/31/2025 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 277,273,196            | 266,737,654            | 256,291,563            | 245,960,085            | 235,555,485            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions           | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments                  | 3,985,664              | 3,983,350              | 3,972,733              | 3,960,189              | 3,955,948              |
| E. Total Investment Income                        | 14,360,989             | 14,473,877             | 14,537,376             | 14,547,562             | 14,509,552             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 35,352,925             | 35,374,048             | 35,312,318             | 35,383,081             | 35,075,685             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 266,737,654            | 256,291,564            | 245,960,085            | 235,555,485            | 225,416,030            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 302,090,579            | 291,665,611            | 281,272,402            | 270,938,566            | 260,491,715            |
| J. Solvency Ratio (I / F)                         | 8.54                   | 8.25                   | 7.97                   | 7.66                   | 7.43                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 403,087,316<br>68.79%  | 397,477,518<br>67.11%  | 391,439,121<br>65.47%  | 385,026,909<br>63.88%  | 378,076,482<br>62.30%  |

Exhibit 9: Page 3 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2044

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2026<br>12/31/2026 | 1/1/2027<br>12/31/2027 | 1/1/2028<br>12/31/2028 | 1/1/2029<br>12/31/2029 | 1/1/2030<br>12/31/2030 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 225,416,030            | 215,256,167            | 205,104,791            | 194,982,889            | 184,864,257            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions           | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments                  | 3,955,948              | 3,955,948              | 3,955,948              | 3,955,948              | 3,911,777              |
| E. Total Investment Income                        | 14,137,705             | 13,740,411             | 13,319,357             | 12,874,484             | 12,407,618             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | -<br>34,724,247        | 34,318,464             | 33,867,937             | 33,419,794             | 32,829,519             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 215,256,167            | 205,104,792            | 194,982,890            | 184,864,258            | 174,824,863            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 249,980,413            | 239,423,256            | 228,850,827            | 218,284,052            | 207,654,382            |
| J. Solvency Ratio (I / F)                         | 7.20                   | 6.98                   | 6.76                   | 6.53                   | 6.33                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 370,940,688<br>60.77%  | 363,651,727<br>59.19%  | 356,254,809<br>57.57%  | 348,788,473<br>55.90%  | 341,245,216<br>54.17%  |

Exhibit 9: Page 4 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2044

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2031<br>12/31/2031 | 1/1/2032<br>12/31/2032 | 1/1/2033<br>12/31/2033 | 1/1/2034<br>12/31/2034 | 1/1/2035<br>12/31/2035 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 174,824,864            | 164,966,895            | 155,142,194            | 144,856,437            | 133,624,965            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions           | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments                  | 3,872,769              | 3,762,484              | 3,141,632              | 1,904,088              | 1,816,980              |
| E. Total Investment Income                        | 11,925,220             | 11,426,166             | 10,887,519             | 10,272,348             | 9,603,483              |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 32,126,688             | 31,484,081             | 30,785,638             | 29,878,638             | 28,909,790             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 164,966,895            | 155,142,194            | 144,856,437            | 133,624,965            | 122,606,368            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 197,093,582            | 186,626,275            | 175,642,075            | 163,503,603            | 151,516,158            |
| J. Solvency Ratio (I / F)                         | 6.13                   | 5.93                   | 5.71                   | 5.47                   | 5.24                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 333,766,745<br>52.38%  | 326,474,395<br>50.53%  | 319,319,250<br>48.59%  | 312,369,118<br>46.37%  | 305,854,981<br>43.69%  |

Exhibit 9: Page 5 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2044

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2036<br>12/31/2036 | 1/1/2037<br>12/31/2037 | 1/1/2038<br>12/31/2038 | 1/1/2039<br>12/31/2039 | 1/1/2040<br>12/31/2040 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 122,606,368            | 110,140,653            | 96,301,395             | 82,623,150             | 69,029,716             |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions           | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments                  | 1,560,757              | -                      | -                      | -                      | -                      |
| E. Total Investment Income                        | 7,412,925              | 6,572,592              | 5,693,524              | 4,822,308              | 3,946,258              |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 27,910,127             | 26,882,580             | 25,842,499             | 24,886,473             | 24,246,581             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 110,140,653            | 96,301,395             | 82,623,151             | 69,029,716             | 55,200,123             |
| I. Available Resources<br>(A+B+C+D+E-G)           | 138,050,780            | 123,183,975            | 108,465,649            | 93,916,189             | 79,446,704             |
| J. Solvency Ratio (I / F)                         | 4.95                   | 4.58                   | 4.20                   | 3.77                   | 3.28                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 299,872,537<br>40.89%  | 294,492,267<br>37.40%  | 289,786,723<br>33.23%  | 285,817,811<br>28.91%  | 282,551,835<br>24.43%  |

Exhibit 9: Page 6 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2044

| Plan Year Beginning<br>Plan Year Ending        | 1/1/2041<br>12/31/2041 | 1/1/2042<br>12/31/2042 | 1/1/2043<br>12/31/2043 | 1/1/2044<br>12/31/2044 |
|--|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year           | 55,200,123             | 41,139,838             | 26,796,293             | 12,178,248             |
| Income   |                        |                        |                        |                        |
| B. Base Contributions                          | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions        | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments               | -                      | -                      | -                      | -                      |
| E. Total Investment Income                     | 3,055,294              | 2,147,911              | 1,222,710              | 278,865                |
| Disbursements                                  |                        |                        |                        |                        |
| F. Benefit Payments                            | 23,586,309             | 22,962,187             | 22,311,485             | 21,676,770             |
| G. Administrative expenses                     | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G) | 41,139,838             | 26,796,293             | 12,178,248             | Insolvent              |
| (//////////////////////////////////////        |                        |                        |                        |                        |
| I. Available Resources (A+B+C+D+E-G)           | 64,726,147             | 49,758,479             | 34,489,733             | 18,927,843             |
| J. Solvency Ratio (I / F)                      | 2.74                   | 2.17                   | 1.55                   | 0.87                   |
| K. Accrued Liability                           | 279,712,164            | 277,350,824            | 275,465,033            | 274,116,812            |
| L. Funded Percentage (A / K)                   | 19.73%                 | 14.83%                 | 9.73%                  | 4.44%                  |

Exhibit 9: Page 7 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2016<br>12/31/2016 | 1/1/2017<br>12/31/2017 | 1/1/2018<br>12/31/2018 | 1/1/2019<br>12/31/2019 | 1/1/2020<br>12/31/2020 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 334,210,200            | 325,872,761            | 305,308,868            | 291,908,557            | 278,441,416            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 4,477,091              | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions           | 3,113,918              | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments                  | 3,143,651              | 3,997,686              | 3,994,682              | 3,990,018              | 3,986,838              |
| E. Total Investment Income                        | 21,054,925             | 10,381,650             | 10,605,015             | 10,868,303             | 11,056,341             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 39,127,024             | 41,113,959             | 34,470,738             | 34,796,192             | 35,085,545             |
| G. Administrative expenses                        | 1,000,000              | 1,000,000              | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 325,872,761            | 305,308,868            | 291,908,557            | 278,441,416            | 264,869,780            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 364,999,785            | 346,422,827            | 326,379,295            | 313,237,608            | 299,955,325            |
| J. Solvency Ratio (I / F)                         | 9.33                   | 8.43                   | 9.47                   | 9.00                   | 8.55                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 529,954,836<br>63.06%  | 430,063,669<br>75.77%  | 416,163,695<br>73.36%  | 412,416,101<br>70.78%  | 408,059,554<br>68.24%  |

Exhibit 9: Page 8 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2021<br>12/31/2021 | 1/1/2022<br>12/31/2022 | 1/1/2023<br>12/31/2023 | 1/1/2024<br>12/31/2024 | 1/1/2025<br>12/31/2025 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 264,869,780            | 251,140,017            | 237,421,561            | 223,717,173            | 209,815,704            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions           | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments                  | 3,985,664              | 3,983,350              | 3,972,733              | 3,960,189              | 3,955,948              |
| E. Total Investment Income                        | 11,166,768             | 11,201,512             | 11,164,466             | 11,050,693             | 10,862,480             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 35,352,925             | 35,374,048             | 35,312,318             | 35,383,081             | 35,075,685             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 251,140,017            | 237,421,562            | 223,717,173            | 209,815,704            | 196,029,177            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 286,492,942            | 272,795,609            | 259,029,490            | 245,198,785            | 231,104,862            |
| J. Solvency Ratio (I / F)                         | 8.10                   | 7.71                   | 7.34                   | 6.93                   | 6.59                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 403,087,316<br>65.71%  | 397,477,518<br>63.18%  | 391,439,121<br>60.65%  | 385,026,909<br>58.10%  | 378,076,482<br>55.50%  |

Exhibit 9: Page 9 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning Plan Year Ending              | 1/1/2026<br>12/31/2026 | 1/1/2027<br>12/31/2027 | 1/1/2028<br>12/31/2028 | 1/1/2029<br>12/31/2029 | 1/1/2030<br>12/31/2030 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 196,029,177            | 182,082,723            | 167,987,636            | 153,745,480            | 139,308,869            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions           | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments                  | 3,955,948              | 3,955,948              | 3,955,948              | 3,955,948              | 3,911,777              |
| E. Total Investment Income                        | 10,351,114             | 9,796,700              | 9,199,103              | 8,556,505              | 7,868,498              |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 34,724,247             | 34,318,464             | 33,867,937             | 33,419,794             | 32,829,519             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 182,082,723            | 167,987,637            | 153,745,481            | 139,308,870            | 124,730,355            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 216,806,969            | 202,306,101            | 187,613,418            | 172,728,664            | 157,559,874            |
| J. Solvency Ratio (I / F)                         | 6.24                   | 5.89                   | 5.54                   | 5.17                   | 4.80                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 370,940,688<br>52.85%  | 363,651,727<br>50.07%  | 356,254,809<br>47.15%  | 348,788,473<br>44.08%  | 341,245,216<br>40.82%  |

Exhibit 9: Page 10 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending        | 1/1/2031<br>12/31/2031 | 1/1/2032<br>12/31/2032 | 1/1/2033<br>12/31/2033 | 1/1/2034<br>12/31/2034 | 1/1/2035<br>12/31/2035 |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year           | 124,730,356            | 110,085,610            | 95,197,616             | 79,543,434             | 62,611,508             |
| Income   |                        |                        |                        |                        |                        |
| B. Base Contributions                          | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions        | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments               | 3,872,769              | 3,762,484              | 3,141,632              | 1,904,088              | 1,816,980              |
| E. Total Investment Income                     | 7,138,443              | 6,362,873              | 5,519,094              | 4,571,894              | 3,537,827              |
| Disbursements                                  |                        |                        |                        |                        |                        |
| F. Benefit Payments                            | 32,126,688             | 31,484,081             | 30,785,638             | 29,878,638             | 28,909,790             |
| G. Administrative expenses                     | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G) | 110,085,610            | 95,197,616             | 79,543,434             | 62,611,508             | 45,527,255             |
| I. Available Resources<br>(A+B+C+D+E-G)        | 142,212,297            | 126,681,697            | 110,329,072            | 92,490,146             | 74,437,045             |
| J. Solvency Ratio (I / F)                      | 4.43                   | 4.02                   | 3.58                   | 3.10                   | 2.57                   |
| K. Accrued Liability                           | 333,766,745            | 326,474,395            | 319,319,250            | 312,369,118            | 305,854,981            |
| L. Funded Percentage (A / K)                   | 37.37%                 | 33.72%                 | 29.81%                 | 25.46%                 | 20.47%                 |

Exhibit 9: Page 11 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2036<br>12/31/2036 | 1/1/2037<br>12/31/2037 | 1/1/2038<br>12/31/2038 |
|---|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 45,527,255             | 27,621,939             | 8,165,786              |
| Income  |                        |                        |                        |
| B. Base Contributions                             | 3,983,739              | 3,983,739              | 3,983,739              |
| C. Supplemental/Surcharge Contributions           | 3,186,991              | 3,186,991              | 3,186,991              |
| D. Withdrawal Liability Payments                  | 1,560,757              | -                      | -                      |
| E. Total Investment Income                        | 1,973,324              | 955,697                | (104,726)              |
| Disbursements                                     |                        |                        |                        |
| F. Benefit Payments                               | 27,910,127             | 26,882,580             | 25,842,499             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 27,621,939             | 8,165,786              | Insolvent              |
| I. Available Resources<br>(A+B+C+D+E-G)           | 55,532,066             | 35,048,366             | 14,531,790             |
| J. Solvency Ratio (I / F)                         | 1.99                   | 1.30                   | 0.56                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 299,872,537<br>15.18%  | 294,492,267<br>9.38%   | 289,786,723<br>2.82%   |

Exhibit 9: Page 12 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning Plan Year Ending              | 1/1/2016<br>12/31/2016 | 1/1/2017<br>12/31/2017 | 1/1/2018<br>12/31/2018 | 1/1/2019<br>12/31/2019 | 1/1/2020<br>12/31/2020 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 334,210,200            | 325,872,761            | 310,726,437            | 302,009,639            | 292,617,859            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 4,477,091              | 3,561,463              | 3,183,948              | 2,846,449              | 2,544,726              |
| C. Supplemental/Surcharge Contributions           | 3,113,918              | 2,849,170              | 2,547,158              | 2,277,159              | 2,035,781              |
| D. Withdrawal Liability Payments                  | 3,143,651              | 3,997,686              | 3,994,682              | 3,990,018              | 3,986,838              |
| E. Total Investment Income                        | 21,054,925             | 16,559,317             | 16,728,153             | 16,990,786             | 17,165,380             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 39,127,024             | 41,113,959             | 34,470,738             | 34,796,192             | 35,085,545             |
| G. Administrative expenses                        | 1,000,000              | 1,000,000              | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 325,872,761            | 310,726,437            | 302,009,639            | 292,617,859            | 282,565,038            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 364,999,785            | 351,840,396            | 336,480,377            | 327,414,051            | 317,650,583            |
| J. Solvency Ratio (I / F)                         | 9.33                   | 8.56                   | 9.76                   | 9.41                   | 9.05                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 529,954,836<br>63.06%  | 430,063,669<br>75.77%  | 416,019,026<br>74.69%  | 411,899,399<br>73.32%  | 406,991,282<br>71.90%  |

Exhibit 9: Page 13 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2021<br>12/31/2021 | 1/1/2022<br>12/31/2022 | 1/1/2023<br>12/31/2023 | 1/1/2024<br>12/31/2024 | 1/1/2025<br>12/31/2025 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 282,565,038            | 271,839,868            | 260,647,498            | 249,020,978            | 236,770,862            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 2,274,985              | 2,033,836              | 1,818,250              | 1,625,515              | 1,453,211              |
| C. Supplemental/Surcharge Contributions           | 1,819,988              | 1,627,069              | 1,454,600              | 1,300,412              | 1,162,568              |
| D. Withdrawal Liability Payments                  | 3,985,664              | 3,983,350              | 3,972,733              | 3,960,189              | 3,955,948              |
| E. Total Investment Income                        | 17,247,118             | 17,237,423             | 17,140,215             | 16,946,849             | 16,658,598             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 35,352,925             | 35,374,048             | 35,312,318             | 35,383,081             | 35,075,685             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 271,839,868            | 260,647,499            | 249,020,978            | 236,770,862            | 224,225,502            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 307,192,793            | 296,021,546            | 284,333,296            | 272,153,943            | 259,301,187            |
| J. Solvency Ratio (I / F)                         | 8.69                   | 8.37                   | 8.05                   | 7.69                   | 7.39                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 401,291,092<br>70.41%  | 394,778,630<br>68.86%  | 387,663,114<br>67.24%  | 379,998,236<br>65.53%  | 371,617,200<br>63.71%  |

Exhibit 9: Page 14 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2026<br>12/31/2026 | 1/1/2027<br>12/31/2027 | 1/1/2028<br>12/31/2028 | 1/1/2029<br>12/31/2029 | 1/1/2030<br>12/31/2030 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 224,225,502            | 211,087,040            | 197,363,858            | 183,049,635            | 168,083,480            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 1,299,170              | 1,161,458              | 1,038,344              | 928,279                | 829,882                |
| C. Supplemental/Surcharge Contributions           | 1,039,336              | 929,167                | 830,675                | 742,623                | 663,905                |
| D. Withdrawal Liability Payments                  | 3,955,948              | 3,955,948              | 3,955,948              | 3,955,948              | 3,911,777              |
| E. Total Investment Income                        | 15,991,330             | 15,248,710             | 14,428,747             | 13,526,789             | 12,539,595             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 34,724,247             | 34,318,464             | 33,867,937             | 33,419,794             | 32,829,519             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 211,087,040            | 197,363,859            | 183,049,635            | 168,083,481            | 152,499,120            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 245,811,286            | 231,682,323            | 216,917,572            | 201,503,275            | 185,328,639            |
| J. Solvency Ratio (I / F)                         | 7.08                   | 6.75                   | 6.40                   | 6.03                   | 5.65                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 362,869,188<br>61.79%  | 353,781,490<br>59.67%  | 344,393,172<br>57.31%  | 334,735,408<br>54.68%  | 324,792,090<br>51.75%  |

Exhibit 9: Page 15 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2031<br>12/31/2031 | 1/1/2032<br>12/31/2032 | 1/1/2033<br>12/31/2033 | 1/1/2034<br>12/31/2034 | 1/1/2035<br>12/31/2035 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 152,499,120            | 136,349,022            | 119,426,144            | 101,164,408            | 80,991,683             |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 741,914                | 663,271                | 592,965                | 530,110                | 473,919                |
| C. Supplemental/Surcharge Contributions           | 1,819,988              | 1,627,069              | 1,454,600              | 1,300,412              | 1,162,568              |
| D. Withdrawal Liability Payments                  | 3,872,769              | 3,762,484              | 3,141,632              | 1,904,088              | 1,816,980              |
| E. Total Investment Income                        | 11,468,376             | 10,304,831             | 9,014,933              | 7,547,627              | 5,917,836              |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 32,126,688             | 31,484,081             | 30,785,638             | 29,878,638             | 28,909,790             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 137,575,479            | 120,522,596            | 102,144,636            | 81,868,007             | 60,753,196             |
| I. Available Resources<br>(A+B+C+D+E-G)           | 169,702,166            | 152,006,677            | 132,930,273            | 111,746,645            | 89,662,986             |
| J. Solvency Ratio (I / F)                         | 5.28                   | 4.83                   | 4.32                   | 3.74                   | 3.10                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 314,695,074<br>48.46%  | 304,554,567<br>44.77%  | 294,309,224<br>40.58%  | 284,013,073<br>35.62%  | 273,881,917<br>29.57%  |

Exhibit 9: Page 16 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2036<br>12/31/2036 | 1/1/2037<br>12/31/2037 | 1/1/2038<br>12/31/2038 |
|---|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 59,969,763             | 37,215,229             | 12,093,967             |
| Income  |                        |                        |                        |
| B. Base Contributions                             | 423,683                | 378,773                | 338,623                |
| C. Supplemental/Surcharge Contributions           | 338,947                | 303,018                | 270,898                |
| D. Withdrawal Liability Payments                  | 1,560,757              | -                      | -                      |
| E. Total Investment Income                        | 3,532,206              | 1,779,527              | (92,912)               |
| Disbursements                                     |                        |                        |                        |
| F. Benefit Payments                               | 27,910,127             | 26,882,580             | 25,842,499             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 37,215,229             | 12,093,967             | Insolvent              |
| I. Available Resources<br>(A+B+C+D+E-G)           | 65,125,356             | 38,976,547             | 11,910,576             |
| J. Solvency Ratio (I / F)                         | 2.33                   | 1.45                   | 0.46                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 263,994,820<br>22.72%  | 254,404,100<br>14.63%  | 245,162,547<br>4.93%   |

Exhibit 9: Page 17 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2016<br>12/31/2016 | 1/1/2017<br>12/31/2017 | 1/1/2018<br>12/31/2018 | 1/1/2019<br>12/31/2019 | 1/1/2020<br>12/31/2020 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 334,210,200            | 325,872,761            | 310,652,812            | 301,800,797            | 292,221,692            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 4,477,091              | 3,521,625              | 3,113,117              | 2,751,995              | 2,432,764              |
| C. Supplemental/Surcharge Contributions           | 3,113,918              | 2,817,300              | 2,490,493              | 2,201,596              | 1,946,211              |
| D. Withdrawal Liability Payments                  | 3,143,651              | 3,997,686              | 3,994,682              | 3,990,018              | 3,986,838              |
| E. Total Investment Income                        | 21,054,925             | 16,557,399             | 16,720,432             | 16,973,478             | 17,134,768             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 39,127,024             | 41,113,959             | 34,470,738             | 34,796,192             | 35,085,545             |
| G. Administrative expenses                        | 1,000,000              | 1,000,000              | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 325,872,761            | 310,652,812            | 301,800,797            | 292,221,692            | 281,936,727            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 364,999,785            | 351,766,771            | 336,271,535            | 327,017,884            | 317,022,272            |
| J. Solvency Ratio (I / F)                         | 9.33                   | 8.56                   | 9.76                   | 9.40                   | 9.04                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 529,954,836<br>63.06%  | 430,063,669<br>75.77%  | 416,005,378<br>74.68%  | 411,852,743<br>73.28%  | 406,898,546<br>71.82%  |

Exhibit 9: Page 18 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning Plan Year Ending              | 1/1/2021<br>12/31/2021 | 1/1/2022<br>12/31/2022 | 1/1/2023<br>12/31/2023 | 1/1/2024<br>12/31/2024 | 1/1/2025<br>12/31/2025 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 281,936,727            | 270,939,997            | 259,440,403            | 247,473,289            | 234,850,201            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 2,150,563              | 1,901,098              | 1,680,571              | 1,485,624              | 1,313,292              |
| C. Supplemental/Surcharge Contributions           | 1,720,451              | 1,520,878              | 1,344,456              | 1,188,499              | 1,050,634              |
| D. Withdrawal Liability Payments                  | 3,985,664              | 3,983,350              | 3,972,733              | 3,960,189              | 3,955,948              |
| E. Total Investment Income                        | 17,199,517             | 17,169,128             | 17,047,444             | 16,825,681             | 16,504,899             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 35,352,925             | 35,374,048             | 35,312,318             | 35,383,081             | 35,075,685             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 270,939,997            | 259,440,403            | 247,473,289            | 234,850,201            | 221,899,289            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 306,292,922            | 294,814,451            | 282,785,606            | 270,233,282            | 256,974,974            |
| J. Solvency Ratio (I / F)                         | 8.66                   | 8.33                   | 8.01                   | 7.64                   | 7.33                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 401,141,020<br>70.28%  | 394,561,432<br>68.67%  | 387,370,166<br>66.97%  | 379,621,811<br>65.19%  | 371,150,248<br>63.28%  |

Exhibit 9: Page 19 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2026<br>12/31/2026 | 1/1/2027<br>12/31/2027 | 1/1/2028<br>12/31/2028 | 1/1/2029<br>12/31/2029 | 1/1/2030<br>12/31/2030 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 221,899,289            | 208,324,805            | 194,134,223            | 179,319,534            | 163,817,410            |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 1,160,950              | 1,026,280              | 907,231                | 801,993                | 708,961                |
| C. Supplemental/Surcharge Contributions           | 928,760                | 821,024                | 725,785                | 641,594                | 567,169                |
| D. Withdrawal Liability Payments                  | 3,955,948              | 3,955,948              | 3,955,948              | 3,955,948              | 3,911,777              |
| E. Total Investment Income                        | 15,804,104             | 15,024,631             | 14,164,284             | 13,218,135             | 12,182,603             |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 34,724,247             | 34,318,464             | 33,867,937             | 33,419,794             | 32,829,519             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 208,324,805            | 194,134,223            | 179,319,535            | 163,817,410            | 147,658,402            |
| I. Available Resources<br>(A+B+C+D+E-G)           | 243,049,051            | 228,452,688            | 213,187,472            | 197,237,204            | 180,487,920            |
| J. Solvency Ratio (I / F)                         | 7.00                   | 6.66                   | 6.29                   | 5.90                   | 5.50                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 362,305,133<br>61.25%  | 353,114,058<br>59.00%  | 343,616,246<br>56.50%  | 333,842,885<br>53.71%  | 323,777,771<br>50.60%  |

Exhibit 9: Page 20 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning Plan Year Ending              | 1/1/2031<br>12/31/2031 | 1/1/2032<br>12/31/2032 | 1/1/2033<br>12/31/2033 | 1/1/2034<br>12/31/2034 | 1/1/2035<br>12/31/2035 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 147,658,402            | 130,891,068            | 113,303,703            | 94,324,779             | 73,375,885             |
| Income  |                        |                        |                        |                        |                        |
| B. Base Contributions                             | 626,722                | 554,022                | 489,756                | 432,944                | 382,722                |
| C. Supplemental/Surcharge Contributions           | 1,720,451              | 1,520,878              | 1,344,456              | 1,188,499              | 1,050,634              |
| D. Withdrawal Liability Payments                  | 3,872,769              | 3,762,484              | 3,141,632              | 1,904,088              | 1,816,980              |
| E. Total Investment Income                        | 11,058,486             | 9,836,992              | 8,483,522              | 6,946,357              | 5,239,653              |
| Disbursements                                     |                        |                        |                        |                        |                        |
| F. Benefit Payments                               | 32,126,688             | 31,484,081             | 30,785,638             | 29,878,638             | 28,909,790             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 132,110,141            | 114,381,363            | 95,277,431             | 74,218,029             | 52,256,085             |
| I. Available Resources<br>(A+B+C+D+E-G)           | 164,236,829            | 145,865,444            | 126,063,069            | 104,096,667            | 81,165,875             |
| J. Solvency Ratio (I / F)                         | 5.11                   | 4.63                   | 4.09                   | 3.48                   | 2.81                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 313,552,554<br>47.09%  | 303,277,141<br>43.16%  | 292,889,799<br>38.68%  | 282,444,085<br>33.40%  | 272,155,253<br>26.96%  |

Exhibit 9: Page 21 of 22

Projection for Plan Years beginning January 1, 2016 through December 31, 2038

| Plan Year Beginning<br>Plan Year Ending           | 1/1/2036<br>12/31/2036 | 1/1/2037<br>12/31/2037 | 1/1/2038<br>12/31/2038 |
|---|------------------------|------------------------|------------------------|
| A. Market Value at Beginning of Year              | 51,511,628             | 27,954,795             | 1,980,845              |
| Income  |                        |                        |                        |
| B. Base Contributions                             | 338,327                | 299,081                | 264,387                |
| C. Supplemental/Surcharge Contributions           | 270,661                | 239,265                | 211,510                |
| D. Withdrawal Liability Payments                  | 1,560,757              | -                      | -                      |
| E. Total Investment Income                        | 2,883,549              | 1,070,284              | (866,587)              |
| Disbursements                                     |                        |                        |                        |
| F. Benefit Payments                               | 27,910,127             | 26,882,580             | 25,842,499             |
| G. Administrative expenses                        | 700,000                | 700,000                | 700,000                |
| H. Market Value at End of Year (A+B+C+D+E-F-G)    | 27,954,795             | 1,980,845              | Insolvent              |
| I. Available Resources<br>(A+B+C+D+E-G)           | 55,864,922             | 28,863,425             | 890,155                |
| J. Solvency Ratio (I / F)                         | 2.00                   | 1.07                   | 0.03                   |
| K. Accrued Liability L. Funded Percentage (A / K) | 262,101,747<br>19.65%  | 252,335,193<br>11.08%  | 242,907,619<br>0.82%   |

Exhibit 9: Page 22 of 22