

## Schedule of Amortization Bases

There is a two-year lag between the valuation date and the start of the contribution fiscal year.

- The assets, liabilities, and funded status of the plan are measured as of the valuation date: June 30, 2017.
- The required employer contributions determined by the valuation are for the fiscal year beginning two years after the valuation date: Fiscal Year 2019-20.

This two-year lag is necessary due to the amount of time needed to extract and test the membership and financial data, and the need to provide public agencies with their required employer contribution well in advance of the start of the fiscal year.

The Unfunded Accrued Liability (UAL) is used to determine the employer contribution and therefore must be rolled forward two years from the valuation date to the first day of the fiscal year for which the contribution is being determined. The UAL is rolled forward each year by subtracting the expected payment on the UAL for the fiscal year and adjusting for interest. The expected payment on the UAL for a fiscal year is equal to the Expected Employer Contribution for the fiscal year minus the Expected Normal Cost for the year. The Employer Contribution for the first fiscal year is determined by the actuarial valuation two years ago and the contribution for the second year is from the actuarial valuation one year ago. Additional discretionary payments are reflected in the Expected Payments column in the fiscal year they were made by the agency.

| Reason for Base     | Date Established | Ramp Up/Down 2019-20 | Amortization Period | Balance 6/30/17     | Expected Payment 2017-18 | Balance 6/30/18     | Expected Payment 2018-19 | Balance 6/30/19     | Scheduled Payment for 2019-20 |
|---------------------|------------------|----------------------|---------------------|---------------------|--------------------------|---------------------|--------------------------|---------------------|-------------------------------|
| FRESH START         | 06/30/04         | No Ramp              | 17                  | \$21,860,350        | \$1,707,760              | \$21,676,642        | \$1,738,565              | \$21,447,713        | \$1,785,781                   |
| ASSUMPTION CHANGE   | 06/30/09         | No Ramp              | 12                  | \$6,677,208         | \$644,141                | \$6,494,223         | \$657,227                | \$6,284,419         | \$674,970                     |
| SPECIAL (GAIN)/LOSS | 06/30/09         | No Ramp              | 22                  | \$2,057,695         | \$139,349                | \$2,062,565         | \$141,570                | \$2,065,489         | \$145,433                     |
| SPECIAL (GAIN)/LOSS | 06/30/10         | No Ramp              | 23                  | (\$627,444)         | (\$41,520)               | (\$629,935)         | (\$42,166)               | (\$631,937)         | (\$43,317)                    |
| ASSUMPTION CHANGE   | 06/30/11         | No Ramp              | 14                  | \$3,645,762         | \$319,727                | \$3,578,966         | \$325,925                | \$3,500,908         | \$334,747                     |
| SPECIAL (GAIN)/LOSS | 06/30/11         | No Ramp              | 24                  | (\$120,274)         | (\$7,789)                | (\$120,928)         | (\$7,907)                | (\$121,506)         | (\$8,123)                     |
| PAYMENT (GAIN)/LOSS | 06/30/12         | No Ramp              | 25                  | \$643,047           | \$40,804                 | \$647,411           | \$41,407                 | \$651,466           | \$42,539                      |
| (GAIN)/LOSS         | 06/30/12         | No Ramp              | 25                  | \$2,808,168         | \$178,191                | \$2,827,222         | \$180,822                | \$2,844,934         | \$185,767                     |
| (GAIN)/LOSS         | 06/30/13         | 100% →               | 26                  | \$21,402,499        | \$864,224                | \$22,059,176        | \$1,169,655              | \$22,447,153        | \$1,502,083                   |
| ASSUMPTION CHANGE   | 06/30/14         | 80% ↑                | 17                  | \$11,743,833        | \$437,193                | \$12,142,496        | \$668,012                | \$12,331,024        | \$914,913                     |
| (GAIN)/LOSS         | 06/30/14         | 80% ↑                | 27                  | (\$15,672,369)      | (\$428,721)              | (\$16,364,626)      | (\$652,351)              | (\$16,875,476)      | (\$893,656)                   |
| (GAIN)/LOSS         | 06/30/15         | 60% ↑                | 28                  | \$7,516,537         | \$105,845                | \$7,951,871         | \$214,571                | \$8,306,169         | \$330,703                     |
| ASSUMPTION CHANGE   | 06/30/16         | 40% ↑                | 19                  | \$3,414,109         | (\$104,254)              | \$3,769,599         | \$71,134                 | \$3,969,227         | \$146,163                     |
| (GAIN)/LOSS         | 06/30/16         | 40% ↑                | 29                  | \$10,935,399        | \$0                      | \$11,728,215        | \$162,749                | \$12,409,966        | \$334,466                     |
| ASSUMPTION CHANGE   | 06/30/17         | 20% ↑                | 20                  | \$2,678,180         | (\$169,450)              | \$3,047,833         | (\$174,322)              | \$3,449,332         | \$65,005                      |
| (GAIN)/LOSS         | 06/30/17         | 20% ↑                | 30                  | (\$4,354,362)       | \$0                      | (\$4,670,053)       | \$0                      | (\$5,008,632)       | (\$69,423)                    |
| <b>TOTAL</b>        |                  |                      |                     | <b>\$74,608,336</b> | <b>\$3,685,500</b>       | <b>\$76,200,679</b> | <b>\$4,494,891</b>       | <b>\$77,070,249</b> | <b>\$5,448,051</b>            |

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| Reason for Base     | Date Established | Ramp Up/Down 2019-20 | Amortization Period | Balance 6/30/17      | Expected Payment 2017-18 | Balance 6/30/18      | Expected Payment 2018-19 | Balance 6/30/19      | Scheduled Payment for 2019-20 |
|---------------------|------------------|----------------------|---------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|-------------------------------|
| FRESH START         | 06/30/04         | No Ramp              | 17                  | \$36,363,954         | \$2,840,802              | \$36,058,362         | \$2,892,045              | \$35,677,546         | \$2,970,587                   |
| ASSUMPTION CHANGE   | 06/30/09         | No Ramp              | 12                  | \$3,936,351          | \$379,734                | \$3,828,478          | \$387,449                | \$3,704,794          | \$397,909                     |
| SPECIAL (GAIN)/LOSS | 06/30/09         | No Ramp              | 22                  | \$2,541,792          | \$172,133                | \$2,547,808          | \$174,876                | \$2,551,420          | \$179,647                     |
| SPECIAL (GAIN)/LOSS | 06/30/10         | No Ramp              | 23                  | \$898,734            | \$59,473                 | \$902,301            | \$60,397                 | \$905,170            | \$62,046                      |
| ASSUMPTION CHANGE   | 06/30/11         | No Ramp              | 14                  | \$4,804,885          | \$421,380                | \$4,716,851          | \$429,548                | \$4,613,976          | \$441,175                     |
| SPECIAL (GAIN)/LOSS | 06/30/11         | No Ramp              | 24                  | \$85,984             | \$5,568                  | \$86,451             | \$5,652                  | \$86,866             | \$5,807                       |
| PAYMENT (GAIN)/LOSS | 06/30/12         | No Ramp              | 25                  | \$288,556            | \$18,310                 | \$290,514            | \$18,581                 | \$292,333            | \$19,089                      |
| (GAIN)/LOSS         | 06/30/12         | No Ramp              | 25                  | \$1,400,493          | \$88,867                 | \$1,409,997          | \$90,180                 | \$1,418,829          | \$92,646                      |
| (GAIN)/LOSS         | 06/30/13         | 100% →               | 26                  | \$30,298,399         | \$1,223,437              | \$31,228,022         | \$1,655,819              | \$31,777,262         | \$2,126,420                   |
| ASSUMPTION CHANGE   | 06/30/14         | 80% ↑                | 17                  | \$14,799,498         | \$550,948                | \$15,301,891         | \$841,824                | \$15,539,472         | \$1,152,968                   |
| (GAIN)/LOSS         | 06/30/14         | 80% ↑                | 27                  | \$(25,338,304)       | \$(693,135)              | \$(26,457,509)       | \$(1,054,689)            | \$(27,283,426)       | \$(1,444,819)                 |
| (GAIN)/LOSS         | 06/30/15         | 60% ↑                | 28                  | \$10,281,385         | \$144,778                | \$10,876,851         | \$293,498                | \$11,361,471         | \$452,347                     |
| ASSUMPTION CHANGE   | 06/30/16         | 40% ↑                | 19                  | \$4,971,646          | \$(174,030)              | \$5,512,319          | \$104,019                | \$5,804,238          | \$213,735                     |
| (GAIN)/LOSS         | 06/30/16         | 40% ↑                | 29                  | \$18,580,025         | \$0                      | \$19,927,077         | \$276,522                | \$21,085,419         | \$568,282                     |
| ASSUMPTION CHANGE   | 06/30/17         | 20% ↑                | 20                  | \$5,621,487          | \$(231,610)              | \$6,268,904          | \$(238,269)              | \$6,970,155          | \$131,357                     |
| (GAIN)/LOSS         | 06/30/17         | 20% ↑                | 30                  | \$(6,587,158)        | \$0                      | \$(7,064,727)        | \$0                      | \$(7,576,920)        | \$(105,022)                   |
| <b>TOTAL</b>        |                  |                      |                     | <b>\$102,947,726</b> | <b>\$4,806,655</b>       | <b>\$105,433,589</b> | <b>\$5,937,452</b>       | <b>\$106,928,605</b> | <b>\$7,264,174</b>            |