

## Appendix D8 - Actuarial Method and Assumptions

### *Public Service Defined Benefit Pension Plans Reciprocal Transfer Agreement*

- Name of Public Authority:** Province of Manitoba
- Registered Pension Plan Name:** The Civil Service Superannuation Fund
- 1. Actuarial Method (describe):** Accrued Benefit Cost Method with salary projection
- 2. Assumptions:** Amended: July 1, 2022  
Effective: November 1, 2022
- a) Economic Assumptions:**
- (1) Interest Rate: 5.75%
- (2) Inflation Rate: 2.00%
- (3) YMPE Growth Rate: 2.50%
- (4) Salary Growth Rate: 2.50% per annum, plus service, merit and promotional increases (see following scale):
- | <u>Attained Age</u> | <u>Increase</u> |
|---------------------|-----------------|
| 20                  | 3.21%           |
| 25                  | 2.70            |
| 30                  | 2.20            |
| 35                  | 1.68            |
| 40                  | 1.20            |
| 45                  | 0.84            |
| 50                  | 0.42            |
| 55 and over         | 0.00            |
- (5) Rate of Increase of Maximum Benefits under Income Tax Act: \$3,420 in 2022, then increased at 2.50% per year thereafter.
- (6) Rate of Indexing of Pension in Payment: none
- b) Demographic Assumptions:**
- (1) Mortality Table: CPM 2014 Public Mortality Projected using Scale B with pension size adjustments
- (2) Gender Split: 64% male, 36% female
- (3) Proportion With Spouse: 90% male, 71% female have spouse at retirement
- (4) Age Difference between Spouses: Male 5 years older than female spouse; female 3 years younger than male spouse or exact, if available
- (5) Retirement Age: varies by age and gender between Ages 55 to 65
- (6) Withdrawal Rate: varies by age and gender
- (7) Disability Rate: varies by age and gender