Appendix D1 - Actuarial Method and Assumptions

Nova Scotia Public Service / Dalhousie University Reciprocal Transfer Agreement

Name of Pension Authority: Province of Nova Scotia

Registered Pension Plan Name: Public Service Superannuation Plan

1. **Actuarial Method** (describe): Projected Unit Credit (also called accrued benefit)

2. **Assumptions**: Effective date: September 1, 2025

   a) **Economic Assumptions**:

   (1) Interest Rate: 6.50%

   (2) Inflation Rate: 2.00%

   (3) YMPE Growth Rate: 2.50%

   (4) Salary Growth Rate: 2.50% + Merit Increase (see following scale)

Age	**Merit Increase**
Under 30	2.00%
30 - 34	1.50%
35 - 39	1.00%
40 - 44	0.50%
45 - 49	0.00%
50 and over	0.00%

   (5) Rate of Increase of Maximum Benefits under Income Tax Act: 2.50%

   (6) Rate of Indexing of Pension in Pay: 2.61% until 2030, 1.00% thereafter

   b) **Demographic Assumptions**:

   (1) Mortality Table: 120% of CPM2014Publ projected using CPM-B

   (2) Gender Split: 50% male, 50% female

   (3) Proportion With Spouse: 85% male, 75% female have spouse at retirement

   (4) Age Difference Between Spouses: male spouse 3 years older than female spouse

   (5) Retirement Age:
   10% at age 59
   20% at age 60
   10% at each age 61-64
   50% at each age 65-69
   100% at age 70
   However, 20% each year on or after EURD, if greater
   40% at 35 years of service (before age 65)

(6) Withdrawal Rate:

Years of Service	Termination
0	12.00%
1	10.00%
2	7.00%
3	5.00%
4	4.00%
5	3.50%
6	3.00%
7	2.50%
8	2.00%
9	1.50%
10-15	1.25%
16	1.00%
17	0.75%
18	0.50%
19	0.25%
20	0.00%