



018 Total

**Special payments**

**Period 1**

**Period 2**

**Period 3**

**Period 4**

019 Going concern unfunded liability

020 Solvency deficiency

021 Total

**Fixed contributions** (estimated dollar amounts of total fixed employer and member contributions, if applicable)

**Period 1**

**Period 2**

**Period 3**

**Period 4**

022 Defined benefit provisions

023 Defined contribution provisions

**MEMBERSHIP INFORMATION**

	<b>Number</b>	<b>Average Age</b>	<b>Average Pensionable Service</b>	<b>Average Salary</b>	<b>Average Annual Pension</b>	<b>Average Member Contributions with Interest</b>
024	Active members					
025	Deferred members					
026	Retired members		N/A	N/A		N/A
027	Other members					

**ACTUARIAL INFORMATION**

**A. Actuarial Basis for Going Concern Valuation**

028 Asset valuation method  ▼

029 Number of years over which assets are smoothed  ▼

030 Liability valuation method  ▼ Other (specify)

**Economic assumptions**

	<b>Initial Rate (%)</b>	<b>Number of Years</b>	<b>Ultimate Rate (%)</b>
031	Discount rate for liability of active and deferred members		
032	Discount rate for liability of retired members		
033	Discount rate for current service cost		
034	Rate of indexation for deferred pensions		
035	Rate of indexation for immediate pensions		
036	Rate of general wage and salary increase		
037	YMPE escalation rate		
038	<i>Income Tax Regulations</i> maximum pension limit increase		

- 039 Rate of CPI increase
- 039a Equivalent level discount rate for liabilities
- 039b Equivalent level discount rate for current service cost
- 039c Was an adjustment made to OSFI's maximum going concern discount rate based on the plan's target asset mix?

**Mortality table and longevity assumptions**

- 040 Mortality table and improvement scale
- 041 Other (specify)

	Male	Female
042 Adjustment for size		
043 Adjustment for industry		
044 Adjustment for plan experience		

**Allowance for salary increase**

- 045 Allowance for promotion, seniority, and merit increases

**Provisions for adverse deviations and expenses**

	Implicit Margin in the Discount Rate (%)	Explicit Provision in the Current Service Cost (\$)	Explicit Provision in the Liabilities (\$)	Other (specify)
046 Adverse deviations				
047 Active investment management expenses				
048 Passive investment management expenses				
049 Administrative expenses				
050 Are some administrative expenses paid outside the fund and not reimbursed by the plan?	Yes	No		

**Other**

051 Was a withdrawal scale used?	Yes	No		
052 If line 051 is "Yes", indicate the percentage of members assumed to choose a commuted value				
053 If line 051 is "Yes" and line 052 is not 0, were solvency assumptions used for members assumed to choose a commuted value?		Yes	No	
054 Were variable retirement rates used?	Yes	No		

055 If line 054 is "No", what is the assumed retirement age?

**B. Actuarial Basis for Solvency Valuation**

**Economic assumptions**

	<b>Initial Rate (%)</b>	<b>Number of Years</b>	<b>Ultimate Rate (%)</b>
056	Discount rate for benefits to be settled by commuted value		
057	Rate of indexation for benefits to be settled by commuted value		
058	<i>Income Tax Regulations</i> maximum pension limit increase		
059	Rate of general wage and salary increase		

	<b>Duration (non-indexed)</b>	<b>Rate (%)</b>
060	Duration and discount rate for benefits to be settled by purchase of deferred annuity	
061	Duration and discount rate for benefits to be settled by purchase of immediate annuity	
062	Rate of indexation for annuities	

**Mortality table and longevity assumptions**

- 063 Was a unisex table used for benefits to be settled by commuted value?  Yes  No
- 064 If line 063 is "Yes", are total liabilities for members for which a unisex mortality table is used the same total liabilities as those using sex-distinct mortality?  Yes  No

065 Mortality table and improvement scale for benefits to be settled by purchase of annuity

066 Other (specify)

**Male** **Female**

067 Mortality adjustment

**Other**

068 Was a replicating portfolio used for solvency valuation? Yes No

068a Assumed retirement age for benefits assumed to be settled by commuted value

068b Other (specify)

068c Assumed retirement age for benefits assumed to be settled by annuity purchase

068d Other (specify)

## C. Going Concern Valuation Results

### Defined benefit provisions

- 069 Fair value of net assets
- 070 Amount of receivables net of payables and investment related liabilities included on line 069
- 071 Amount of smoothing adjustment
- 072 Going concern assets
- 073 Optional ancillary contributions account balance included on line 069 for a flexible pension plan (if applicable)
- 074 Liabilities for active members
- 075 Liabilities for retired members
- 076 Liabilities for deferred members
- 076a Liabilities for other members
- 077 Liabilities for transfer deficiencies
- 078 Liabilities for optional ancillary benefits to be provided under a flexible pension plan (if applicable)
- 079 Other liabilities and reserve
- 080 Going concern liabilities
- 081 Net funded position – surplus (deficit)
- 082 Net funded position – surplus (deficit) determined under the maximum funding valuation basis (designated plan)
- 083 Implicit provision for adverse deviations included on line 080
- 084 Implicit provision for future expenses included on line 080
- 085 Implicit provision for adverse deviations included on line 013
- 086 Implicit provision for future expenses included on line 013
- 087 Are any benefits annuitized using buy-in annuities?
- 089 If line 087 is "Yes", indicate the liabilities for annuitized benefits included on line 080
- 090 Increase in going concern liabilities included on line 080 resulting from a reduction of 1% in the discount rate stated on lines 031 and 032
- 091 Increase in current service cost included on line 013 resulting from a reduction of 1% in the discount rate stated on line 033

### Defined contribution provisions

- 092 Fair value of net assets

## D. Solvency Valuation Results

### Defined benefit provisions

- 093 Solvency assets
- 094 Value of letters of credit included on line 093
- 095 Provision for termination expenses included on line 093
- 096 Optional ancillary contributions account balance included on line 093 for a flexible pension plan (if applicable)
- 097 Additional payments in excess of minimum funding requirements
- 098 Liabilities for active members
- 099 Liabilities for retired members
- 100 Liabilities for deferred members
- 100a Liabilities for other members
- 101 Liabilities for transfer deficiencies
- 102 Liabilities for optional ancillary benefits to be provided under a flexible pension plan (if applicable)
- 103 Other liabilities and reserve
- 104 Solvency liabilities
  
- 105 Net solvency position – surplus (deficit)
  
- 106 Liabilities for active, deferred and other members who are within ten years of pensionable age and whose benefits were valued using the discount rate stated on line 056
  
- 107 Liabilities for active, deferred and other members who are within ten years of pensionable age and whose benefits were valued using the discount rate stated on lines 060 and 061
  
- 108 Liabilities for active, deferred and other members who are not within ten years of pensionable age
  
- 109 Increase in solvency liabilities included on line 104 resulting from a reduction of 1% in the discount rates stated on lines 056, 060, and 061
  
- 110 Indicate the solvency liabilities on line 104 that would have resulted from using an unadjusted CPM2014 mortality table and the annuity proxy rate for benefits to be settled by purchase of annuity
  
- 111 If line 087 is "Yes", indicate the liabilities for annuitized benefits included on line 104

**E. Actuarial Gains and Losses**

- 112 Was a gain and loss analysis done? Yes  No
- 113 If line 112 is "Yes", indicate the date of the last filed Actuarial Information Summary (YYYY-MM-DD)
- 114 If line 112 is "Yes", indicate the net funded position on line 081 of the last filed Actuarial Information Summary

If line 112 is "Yes", indicate amount of gain (loss) due to:

- 115 Interest on surplus (unfunded liability)

- 116 Special payments made
- 117 Amounts used for contribution holiday
- 118 Change in the actuarial assumptions
- 119 Change in the asset valuation method
- 120 Change in the liability valuation method
- 121 Plan amendments or changes
- 122 Investment experience
- 123 Retirement experience
- 124 Mortality experience
- 125 Withdrawal experience
- 126 Salary increase experience
- 127 Optional ancillary contributions forfeited

Other sources

- 128
- 129
- 130 All other sources (combined)

**F. Subsequent Events and Plan Amendments**

131	Are there any subsequent event(s) that have not been reflected in the valuation?	Yes	No
132	Do the liabilities determined in the actuarial report include the impact of one or more plan amendments that affect the value of benefits having accrued prior to the report's valuation date, and which were not included in the prior report?	Yes	No
133	Does the actuarial report account for one or more plan amendments that affect only the cost of benefits that will accrue after the report's valuation date, and which were not included in the prior report?	Yes	No
134	If line 132 or 133 is "Yes", provide the amendment number and effective date	Amendment number	Effective date (YYYY-MM-DD)

If the plan provides benefit increases coming into effect during the period covered by the report but after the valuation date, have those increases been reflected in:

- 135 The going concern liabilities included on lines 074 to 080?
- 136 The solvency liabilities included on lines 098 to 104?

**G. Statement of Opinion**

137	Are any of the actuary's statements of opinion qualified or does the actuary have any reservation?	Yes	No
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**H. Additional Solvency Valuation Information**

- 138 Adjusted solvency ratio at the valuation date
- 139 Adjusted solvency ratio at the prior valuation date
- 140 Adjusted solvency ratio at the prior second valuation date
- 140a Adjustment factor to reflect amendments made after the prior second valuation date
- 141 Average solvency ratio
- 142 Adjusted solvency asset amount
- 143 Solvency deficiency
  
- 144 Solvency ratio (express in decimal format)

**Active Members      Deferred Vested  
Members**

- 145 Percentage of members entitled to an immediate pension and assumed to choose a commuted value
- 146 Percentage of members not entitled to an immediate pension and assumed to choose a commuted value
  
- 147 Number of months between the termination date and the wind-up date on which the provision for termination expenses included on line 095 is based
  
- 151 Solvency incremental cost
- 152 Interest on solvency liabilities, solvency incremental cost, and expected benefit payments during the projection year
- 153 Expected benefit payments during the projection year
- 154 Solvency liabilities projected one year after the date stated on line 006