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Actuarial Report as at December 31, 2010

Civil Service Superannuation Fund

CRA Registration No. 345827 MB Registration No. 345827

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APPENDICES

- I Financial & Membership Data
- II Summary of the Plan
- III Actuarial Assumptions

I. ACTUARY'S OPINION

The purpose of this Report (Valuation) is to determine the financial position of the Civil Service Superannuation Fund (Fund) as at December 31, 2010, and the adequacy of the contributions being paid to finance basic benefits and pay expenses. This Valuation concerns itself with the basic portion of the benefits (Basic Account) financed by the Fund as defined under the Civil Service Superannuation Act (Plan or Act) as at December 31, 2010. A separate report is prepared on the Superannuation Adjustment Account (Indexing Account) which is responsible for indexing of pensions on and after July 1, 1977, and separate employer reports on the portion of the benefits not financed by the Fund.

Actual going concern experience has been more favourable than expected during 2010. However, experience in 2011 is currently developing as unfavourable. In the future, there will be periods when actual experience is more favourable than expected and other periods when actual experience is less favourable than expected, resulting in future gains and losses.

The Fund self-insures all benefits and therefore is exposed to investment and demographic risks which must continue to be monitored in the future. Benefits may alternatively be purchased at an insurance carrier to eliminate a portion of these risks. In the future, an asset liability method that is more closely aligned with all or a portion of the liability structure may be considered. This strategy may be cost effective in an appropriate economic climate and should be reviewed on an on-going basis by the Civil Service Superannuation Board (Board). In my opinion, for the purposes of this Report:

- The financial and the membership data (Appendix I) on which the Valuation is based are sufficient and reliable for the purpose of the Valuation. The total membership counts shown in the Report are different from the amounts reported in the General Manager's Report due to additional new entrants, retirements, disablements, terminations, and deaths following December 31, 2010 that were provided by the staff of the Board.
- The benefits used in the calculations are based on the Plan as amended to December 31, 2010 (Appendix II).
- The assumptions, individually and in aggregate, and the methods which have been used in this Valuation are appropriate for the purpose of determining the financial position of the Fund and the funding requirements of the Fund on a going concern basis and on a solvency test basis (Appendix III).
- The value of the Fund's assets would be less than the actuarial liabilities if the Fund had been hypothetically wound up on the valuation date (solvency test). The solvency test is provided for information only as the Plan is exempt from the funding requirements of the solvency test pursuant to Paragraph 4.5(2)(b) of the Regulations to the Manitoba Pension Benefits Act. However, the Canadian Institute of Actuaries (CIA) requires that the wind-up disclosure calculations be performed as part of accepted actuarial practice.
- The Fund has no excess surplus based on the requirements found in Section 147.2 of the Income Tax Act.
- Contribution rates in respect of future service have been recommended to be increased in the near future as
 discussed in the Subsequent Events section on Page 11 of this Report.

I hereby certify that, in my opinion, the assets of the Fund, together with future investment income, and the current contribution levels, are inadequate to provide the benefits promised by the Fund, in respect of service completed up to the valuation date based on the actuarial assumptions and methodology used in this Report. Without the necessary contribution increases and/or favourable future experience, assets will not be sufficient to provide the benefits. Contribution increases have been recommended in the past and should be considered in the near future if the deficit persists. It is essential that the investment and demographic experience continue to be monitored to evaluate changes in the financial health of the Plan and recommend appropriate actions.

This Valuation has been prepared and this opinion has been given in accordance with accepted actuarial practice.

This Valuation is subject to approval by the appropriate regulatory authorities. The solvency ratio of the Plan is less than 90%. The changes required by the Office of the Auditor General to conform with International Financial Reporting Standards will require annual calculations of the liabilities. It is recommended the Board continue to monitor the adequacy of the contribution rates, so that it may monitor and ensure the financial health of the Fund. An annual valuation will allow the Board to monitor the deficiency in the contribution rates and assist in meeting the increased accounting standards that will be required in 2012 and later. The next Valuation is recommended to occur as at December 31, 2011.

Dennis Ellement, F.S.A., F.C.I.A.

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Winnipeg, Manitoba November I, 2011

2. EXECUTIVE SUMMARY

GOING CONCERN VALUATION	31-Dec-10	31-Dec-09
Assets Available for Basic Benefits	\$ 3,259,311,000	\$ 2,948,141,000
■ Expense Reserve	-	-
Liability for Basic Benefits		
Active Participants	(1,877,277,965)	(1,873,611,277)
Other Participants	(80,671,681)	(75,859,556)
■ Pensions in Payment	(1,598,240,722)	(1,499,107,013)
Adjustments:		
 Asset Smoothing Adjustment 	59,448,821	294,814,000
 Contribution Deficiency Contingency 	(68,468,337)	(66,854,650)
 Indexing Contingency 	-	-
Surplus/(Unfunded Liability) Before Adjustments	\$ (296,879,368)	\$ (500,436,846)
Surplus/(Unfunded Liability) After Adjustments	\$ (305,898,884)	\$ (272,477,496)
Funding Ratio Before Adjustments	91.65%	85.49%
Funding Ratio After Adjustments	91.56%	92.25%

SOLVENCY TEST	31-Dec-10	31-Dec-09
Assets Available for Basic Benefits	\$ 3,259,311,000	\$ 2,948,141,000
Expense Reserve	(16,297,000)	(14,741,000)
Liability for Basic Benefits		
Active Participants	(2,665,951,722)	(2,540,793,911)
Other Participants	(96,736,131)	(87,244,634)
Pensions in Payment	(1,839,362,507)	(1,721,930,057)
Adjustments:		
 Asset Smoothing Adjustment 	59,448,821	294,814,000
 Contribution Deficiency Contingency 	-	-
 Indexing Contingency 	<u>-</u>	
Solvency Excess/(Deficiency) Before Adjustments	\$ (1,359,036,360)	\$ (1,416,568,602)
Solvency Excess/(Deficiency) After Adjustments	\$ (1,299,587,539)	\$ (1,121,754,602)
Solvency Ratio Before Adjustments	70.47%	67.43%
Solvency Ratio After Adjustments	71.76%	74.21%

	2011	2010
ANNUAL CONTRIBUTION REQUIREMENTS	<cppe <u="">>CPPE **</cppe>	<cppe td="" ≥cppe<=""></cppe>
Required Contributions for Basic Benefits		
Required Contributions:		
 Employee Required Contributions 	6.00% / 7.00%	6.00% / 7.00%
 Employer (Matching) Required Contributions 	5.10% / 7.00%	5.10% / 7.00%
Blended Required Contributions	5.96% / 7.00%	5.96% / 7.00%
■ Indexing Account Allocation	(0.63%) / (0.71%)	(0.62%) / (0.71%)
Total Required Contributions for Basic Benefits	5.33% / 6.29%	5.34% / 6.29%
Total Theoretical Contributions for Basic Benefits	(7.09%) / (8.37%)	(7.10%) / (8.37%)
Contribution Margin/(Deficiency) for Basic Benefits	(1.76%) / (2.08%)	(1.76%) / (2.08%)

^{**} Contribution Requirements are represented as a percentage of earnings below/above the Canada Pension Plan Earnings (CPPE).

3. GOING CONCERN VALUATION

		31-Dec-10		31-Dec-09	
Assets Available for Basic Benefits (Appendix I)					
Fixed Income Investments (market value)	\$	1,254,083,000	\$	1,385,300,000	
Equity Investments (market value)		3,661,472,000		2,615,889,000	
Total Investments	\$	4,915,555,000	\$	4,001,189,000	
Net Receivables/Payables (includes a Province Trust Account)	•	5,114,000	-	96,332,000	
■ Debt due from the Province of Manitoba		1,826,000		1,826,000	
Correctional Officers' Trust Account		(4,792,000)		(4,145,000)	
■ Employer Trust Accounts		(59,356,000)		(52,057,000)	
Money Purchase Accounts Plan		(20,631,000)		(19,477,000)	
Province Unfunded Pension Liability Trust Accounts		(1,201,935,000)		(732,977,000)	
Net Assets Available for Benefits	\$	3,635,781,000	\$	3,290,691,000	
Superannuation Adjustment Account	Ф	(376,470,000)	Ф	(342,550,000)	
Total Assets Available for Basic Benefits Expense Reserve	\$	3,259,311,000	\$	2,948,141,000	
Actuarial Assets Available for Basic Benefits	\$	3,259,311,000	\$	2,948,141,000	
Actuarial Assets Available for Basic Belleits	<u> </u>	3,237,311,000	-	2,748,141,000	
Liabilities for Basic Benefits (Appendix II, III)					
Active Participants:					
not eligible to retire	\$	1,246,862,263	\$	1,250,673,102	
 eligible to retire reduced 		99,237,720		100,888,241	
 eligible to retire unreduced 		531,177,982		522,049,934	
	\$	1,877,277,965	\$	1,873,611,277	
Other Participants:					
 not eligible to retire 		55,121,213		54,510,964	
 valuation accounts payable 		12,769,082		8,821,091	
 eligible to retire reduced 		6,186,142		6,513,447	
 eligible to retire unreduced 		6,595,244		6,014,054	
	\$	80,671,681	\$	75,859,556	
Pensions in Payment:					
 retirement pensions 		1,500,805,874		1,403,477,260	
 survivors' pensions 		97,434,848		95,629,753	
	\$	1,598,240,722	\$	1,499,107,013	
Total Liabilities for Basic Benefits	\$	3,556,190,368	\$	3,448,577,846	
Surplus/(Unfunded Liability) Before Adjustments	\$	(296,879,368)	\$	(500,436,846)	
Adjustments					
 Asset Smoothing Adjustment 	\$	59,448,821	\$	294,814,000	
 Contribution Deficiency Contingency 		(68,468,337)		(66,854,650)	
 Indexing Contingency 		<u>-</u>			
	\$	(9,019,516)	\$	227,959,350	
Surplus/(Unfunded Liability) After Adjustments	\$	(305,898,884)	\$	(272,477,496)	
Funding Ratio Before Adjustments		91.65%	85.49%		
Funding Ratio After Adjustments		91.56%		92.25%	

4. **SOLVENCY TEST***

		31-Dec-10		31-Dec-09	
Assets Available for Basic Benefits (Appendix I)					
Fixed Income Investments (market value)	\$	1,254,083,000	\$	1,385,300,000	
Equity Investments (market value)		3,661,472,000		2,615,889,000	
Total Investments	\$	4,915,555,000	\$	4,001,189,000	
Net Receivables/Payables (includes a Province Trust Account)		5,114,000		96,332,000	
Debt due from the Province of Manitoba		1,826,000		1,826,000	
Correctional Officers' Trust Account		(4,792,000)		(4,145,000)	
■ Employer Trust Accounts		(59,356,000)		(52,057,000)	
Money Purchase Accounts Plan		(20,631,000)		(19,477,000)	
Province Unfunded Pension Liability Trust Accounts		(1,201,935,000)		(732,977,000)	
Net Assets Available for Benefits	\$	3,635,781,000	\$	3,290,691,000	
Superannuation Adjustment Accounts		(376,470,000)		(342,550,000)	
Total Assets Available for Basic Benefits	\$	3,259,311,000	\$	2,948,141,000	
■ Expense Reserve		(16,297,000)		(14,741,000)	
Actuarial Assets Available for Basic Benefits	\$	3,243,014,000	\$	2,933,400,000	
Liabilities for Basic Benefits (Appendix II, III)					
Active Participants:					
not eligible to retire	\$	1,739,707,589	\$	1,657,175,398	
eligible to retire reduced		152,227,616		148,889,227	
eligible to retire unreduced		774,016,517		734,729,286	
	\$	2,665,951,722	\$	2,540,793,911	
Other Participants:					
not eligible to retire		68,487,684		63,779,183	
 valuation accounts payable 		12,769,082		8,821,091	
e eligible to retire reduced		7,549,062		7,657,892	
 eligible to retire unreduced 	\$	7,930,303	\$	6,986,468	
Pensions in Payment:	\$	96,736,131	\$	87,244,634	
retirement pensions		1,729,512,101		1,614,264,906	
- survivors' pensions		109,850,406		107,665,151	
·	\$	1,839,362,507	\$	1,721,930,057	
Total Liabilities for Basic Benefits	\$	4,602,050,360	\$	4,349,968,602	
Solvency Excess/(Deficiency) Before Adjustments	\$	1,359,036,360	\$	1,416,568,602	
Adjustments					
Asset Smoothing Adjustment	\$	59,448,821	\$	294,814,000	
Contribution Deficiency Contingency		-		-	
■ Indexing Contingency		<u>-</u>			
	\$	59,448,821	\$	294,814,000	
Solvency Excess/(Deficiency) After Adjustments	\$	(1,299,587,539)	\$	(1,121,754,602)	
Solvency Ratio Before Adjustments		70.47%	67.43%		
Solvency Ratio After Adjustments		71.76%		74.21%	

^{*} The solvency test is provided for information only as the Plan is exempt from the funding requirements of the solvency test pursuant to Paragraph 4.5(2)(b) of the Regulations to the Manitoba Pension Benefits Act. However, the Canadian Institute of Actuaries (CIA) requires that the wind up disclosure calculations be performed as part of accepted actuarial practice.

5. CONTRIBUTION REQUIREMENTS

The accrued benefit cost method of valuation, with salary projection, has been used in this Valuation. Under this method, the expected cost in each year after the valuation date is equal to the cost of benefits expected to be credited for service in the next year. This expected cost is expressed as a level percentage of salary each year. These percentages are commonly called the theoretical contribution rates or normal actuarial cost for basic benefits.

In the following table, we have compared the required contribution rates and the normal actuarial cost for basic benefit rates (below/above Canada Pension Plan Earnings (CPPE)) on the basis of age, sex, and salary distribution, as exists for present active participants. (The below table does not include the recommended contribution rate increase of 2.00% of salary (matched by employers) which is anticipated to occur in a staggered manner over the next 4 years).

	2	2011		20	2010		
		< CPPE /	<u>></u> CPPE *		< CPPE /	CPPE	
Current Contributions for Basic Benefits							
■ Employee Current Contributions:							
 not eligible to retire 	\$ 85,244,463	6.00%	7.00%	\$ 88,579,812	6.00%	7.00%	
 eligible to retire 	7,155,614	6.00%	7.00%	4,088,359	6.00%	7.00%	
 eligible to retire unreduced 	14,876,320	6.00%	7.00%	12,842,331	6.00%	7.00%	
 indexing account allocation 	(10,942,192)	(0.63%)	(0.71%)	(10,762,071)	(0.62%)	(0.71%)	
Employer (Matching) Current Contributions:							
 not eligible to retire 	6,335,636	5.10%	7.00%	6,503,446	5.10%	7.00%	
 eligible to retire 	770,314	5.10%	7.00%	242,135	5.10%	7.00%	
 eligible to retire unreduced 	778,656	5.10%	7.00%	428,439	5.10%	7.00%	
 indexing account allocation 	(804,230)	(0.52%)	(0.71%)	(731,750)	(0.52%)	(0.71%)	
Total Current Contributions for Basic Benefits	\$ 103,414,581	5.33% /	6.29%	\$ 101,190,701	5.34% /	6.29%	
Normal Actuarial Cost for Basic Benefits							
Active Participants:							
 not eligible to retire 	\$ 103,262,622	6.69% /	7.90%	\$ 108,389,465	6.78% /	7.98%	
 eligible to retire reduced 	11,108,822	8.32% /	9.82%	6,427,998	8.83% /	10.40%	
 eligible to retire unreduced 	23,277,305	8.83% /	10.41%	19,800,563	8.87% /	10.45%	
Blended Active Participant Theoretical Rate	\$ 137,648,749	7.09% /	8.37%	\$ 134,618,026	7.10% /	8.37%	
Other Participants	-	0.00% /	0.00%	-	0.00% /	0.00%	
 Pensions in Payment 	-	0.00% /	0.00%	-	0.00% /	0.00%	
■ Reserves	-	0.00% /	0.00%	=	0.00% /	0.00%	
Total Normal Actuarial Cost for Basic Benefits	\$ 137,648,749	7.09% /	8.37%	\$ 134,618,026	7.10% /	8.37%	
Contribution Margin/(Deficiency) for Basic Benefits	\$ (34,234,168)	(1.76%) /	(2.08%)	\$ (33,427,325)	(1.76%) /	(2.08%	

^{*} Current contributions are represented as a percentage of earnings below/above the Canada Pension Plan Earnings (CPPE).

A provision for the \$34,234,168 annual contribution deficiency has been made on the Valuation Balance Sheet. This provision is equal to \$68,468,337 in anticipation contributions will increase in a staggered manner over for the next 4 years.

In respect of past service, it is recommended that the Province of Manitoba, the Liaison Committee, and the Advisory Committee be informed that the current going concern deficit of \$305,898,884 could be amortized by 15 annual payments of \$34,061,783 (assumes 10.2% is allocated to the Indexing Account) which is equivalent to 1.75% to 2.07% of salary over the next 15 years, as indicated in the table on Page 11. Although it is not recommended that deficit recovery occur at this time, the parties must be made aware that it may become a requirement in the future if future excess investment and/or demographic experience is not generated in the Fund.

Pursuant to the Standards of the Canadian Institute of Actuaries (CIA) it is now required to disclose the incremental cost in the next year on a hypothetical wind-up/solvency basis.

This cost is estimated to equal \$172,585,000 as at December 31, 2010. This cost in essence reflects the present value of the increase of the solvency liability in the next year plus the annual benefit payments expected to be made, assuming no change in solvency assumptions.

6. ANALYSIS OF GOING CONCERN VALUATION RESULTS

Reconciliation of Financial Position

Operation of the Basic Benefits Account	Assets	Liabilities	Adjustments	Surplus
 2010 Opening Financial Position: 2009 Basis 	\$ 2,948,141,000	\$ 3,448,577,846	\$ 227,959,350	\$ (272,477,496)
 Contributions/Benefits Accrued * 	250,061,000	132,452,000	-	117,609,000
 Benefit Experience & Operating Expenses * 	(301,907,000)	(149,922,000)	-	(151,985,000)
 Investment Experience Net: 12.42% 	363,016,000	206,391,000	-	156,625,000
 Actuarial Adjustment Projection PfAD 	-	47,672,000	-	(47,672,000)
 Indexing Contingency 	-	-	-	-
 Contribution Deficiency Contingency 	-	-	(4,011,504)	(4,011,504)
 Asset Smoothing Adjustment 	-	-	(235,365,000)	(235,365,000)
■ 2010 Financial Statements Projected Position	\$ 3,259,311,000	\$ 3,685,170,846	\$ (11,417,154)	\$ (437,277,000)
 Actuarial Reserve Projection PfAD release 	-	(47,672,000)	-	47,672,000
 ITA Maximum Pensionable Salary Limit 	-	1,275,888	-	(1,275,888)
 Salary Gain I-Year Experience 	-	(82,586,881)	-	82,586,881
 Demographic Retirement Gain 1-Year Experience 	-	(4,670,280)	-	4,670,280
 Demographic Termination Loss I-Year Experience 	-	5,044,783	-	(5,044,783)
 Demographic Death Loss 1-Year Experience 	-	(657,355)	-	657,355
 Methodology (PBA changesvesting immediate, etc.) 	-	285,367	-	(285,367)
 Indexing Contingency 	-	-	-	-
 Contribution Deficiency Contingency 	-	-	2,397,638	2,397,638
 Asset Smoothing Adjustment 	-	-	-	-
■ 2010 Preliminary Going Concern Position	\$ 3,259,311,000	\$ 3,556,190,368	\$ (9,019,516)	\$ (305,898,884)
 Continue 6.00% annual interest discount rate 	 -	-	-	-
 Continue UP2020 mortality rates 		-	-	-
 Continue demographic assumptions 		-	-	-
■ 2010 Closing Going Concern: 2010 Basis	\$ 3,259,311,000	\$ 3,556,190,368	\$ (9,019,516)	\$ (305,898,884)

^{*} Contributions and Benefits on the Asset movement include both the Fund and pay-as-you-go payments whereas the adjacent Liability movement entry includes only the Fund side (about 55% of the total).

Favourable investment experience of \$156,625,000 and favourable salary experience of \$82,586,881 has been somewhat offset by the decline in the asset smoothing adjustment.

Average Actuarial Factors

Category	Age	# Members				Fun	d Pension	Ac	Actuarial Factor *			Liability
				31-D	ec-I)						
 Active Participants 	44.06	29,956	x	12	x	\$	535.64	×	9.7497	=	\$	1,877,277,965
 Other Participants 	48.90	2,901	x	12	×		216.24	×	10.7166	=		80,671,681
 Pensions in Payment 	70.04	16,686	×	12	×		721.29	×	11.0662	=		1,598,240,722
Total/Average	53.09	49,543	x	12	×	\$	579.46	x	10.3228	=	\$	3,556,190,368
				31-De	ec-0	9						
 Active Participants 	44.07	29,353	x	12	×	\$	548.82	×	9.6921	=	\$	1,873,611,277
 Other Participants 	48.57	2,857	x	12	×		216.67	×	10.2122	=		75,859,556
 Pensions in Payment 	69.31	16,210	×	12	×		696.24	×	11.0690	=		1,499,107,013
Total/Average	52.79	48,420	x	12	x	\$	578.57	×	10.2584	=	\$	3,448,577,846

Larger actuarial factors mean more reserves per member due to changing demographics and actuarial assumptions.

7. ANALYSIS OF SOLVENCY TEST RESULTS

Reconciliation of Financial Position

O	erati	on of the Basic Benefits Account	Assets	Liabilities	Adjustments	Excess
•	201	O Opening Financial Position: 2009 Basis	\$ 2,948,141,000	\$ 4,349,968,602	\$ 280,073,000	\$ (1,121,754,602)
	0	Contributions/Benefits Accrued *	250,061,000	167,072,361	-	82,988,639
	0	Benefit Experience & Operating Expenses *	(301,907,000)	(149,922,000)	-	(151,985,000)
	0	Investment Experience Net: 12.42%	363,016,000	195,698,616	-	167,317,384
	0	Actuarial Adjustment Projection PfAD	-	60,132,528	-	(60,132,528)
	0	Indexing Contingency	-	-	-	-
	0	Contribution Deficiency Contingency	-	-	-	-
		Asset Smoothing Adjustment	-	-	(235,365,000)	(235,365,000)
-	201	Financial Statements Projected Position	\$ 3,259,311,000	\$ 4,622,950,107	\$ 44,708,000	\$ (1,318,931,107)
	0	Actuarial Reserve Projection PfAD release	-	(60,132,528)	=	60,132,528
		ITA Maximum Pensionable Salary Limit	-	1,275,888	-	(1,275,888)
		Salary Gain 1-Year Experience	-	-	-	-
		Demographic Retirement Gain 1-Year Experience	-	(85,718,078)	-	85,718,078
		Demographic Termination Loss I-Year Experience	-	1,681,594	-	(1,681,594)
	0	Demographic Death Loss I-Year Experience	-	(824,634)	-	824,634
		Methodology (PBA changesvesting immediate, etc.)	-	357,985	-	(357,985)
	0	Expense Contingency	-	-	(1,556,179)	(1,556,179)
	0	Contribution Deficiency Contingency	-	-	-	-
	0	Asset Smoothing Adjustment	-	-	-	-
•	201	Preliminary Solvency Test Position	\$ 3,259,311,000	\$ 4,479,590,334	\$ 43,151,821	\$ (1,177,127,513)
	0	Change interest discount rate 3.30%/10yrs/5.00%	-	122,460,026	-	(122,460,026)
	0	Continue UP2020 mortality rates		=	=	-
	0	Continue demographic assumptions		-	-	-
•	201	Closing Solvency Test: 2010 Basis	\$ 3,259,311,000	\$ 4,602,050,360	\$ 43,151,821	\$ (1,299,587,539)

^{*} Contributions and Benefits on the Asset movement include both the Fund and pay-as-you-go payments whereas the adjacent Liability movement entry includes only the Fund side (about 55% of the total).

Solvency interest rates continue to decline resulting in a \$122,460,026 increase in liability.

Average Actuarial Factors

Category	Age	# Members				Fun	d Pension	Ac	tuarial Factor	*	Liability
				31-D	ec-I	0					
Active Participants	44.06	29,956	×	12	×	\$	535.64	×	13.8457	=	\$ 2,665,951,722
Other Participants	48.90	2,901	×	12	×		216.24	×	12.8506	=	96,736,131
 Pensions in Payment 	70.04	16,686	×	12	×		721.29	×	12.7357	=	1,839,362,507
Total/Average	53.09	49,543	x	12	x	\$	579.46	×	13.3587	=	\$ 4,602,050,360
				31-D	ec-0	9					
 Active Participants 	44.07	29,353	×	12	×	\$	548.82	×	13.1433	=	\$ 2,540,793,911
Other Participants	48.57	2,857	x	12	x		216.67	×	11.7449	=	87,244,634
■ Pensions in Payment	69.31	16,210	×	12	×		696.24	x	12.7143	=	1,721,930,057
Total/Average	52.79	48,420	×	12	x	\$	578.57	x	12.9397	=	\$ 4,349,968,602

8. FUND BASIC BENEFIT LIABILITIES EMPLOYER PROFILE

				Active	Other		Pensions in	2010	
	e of Employer	Code		Participants	Participants		Payment	Total	%
Nor	n-Matching Employers		•	024 526 125	# F0 / 30 0 : 5		0.57.504.505	e 1000 711 015	F 4 2 5
1	Province of Manitoba Civil Service	CS	\$	924,520,439	\$ 50,638,812	\$	957,586,998	\$ 1,932,746,249	54.35%
	Manitoba Hydro-Electric Board	MH Al/AlE		468,235,604	7,306,027		369,247,759	844,789,390	23.76%
	Manitoba Public Insurance Division of Driver and Vehicle Licencing	AI/AIE AIL		99,916,072	5,361,349		59,526,247 1,287,884	164,803,668	4.63% 0.16%
	9	RCC		4,453,267	122,197 1,165,796			5,863,348	2.37%
	Red River College Liquor Control Commission	LC		56,033,894 27,875,660	1,427,192		27,125,264 28,433,390	84,324,954 57,736,242	1.62%
	Manitoba Agricultural Services Corporation	AC		3,096,277	1,427,172		2,440,956	5,717,705	0.16%
	Addictions Foundation of Manitoba	AF		12,201,624	512,108		10,107,281	22,821,013	0.16%
	Assiniboine Community College	ACC		11,320,251	882,848		7,467,179	19,670,278	0.55%
-	University College of The North	KCC		11,258,554	799,274		5,100,484	17,158,312	0.33%
	The Legal Aid Services Society of Manitoba	LA		12,273,079	496,142		4,431,232	17,130,312	0.48%
	,	CC							0.46%
	Manitoba Centennial Centre Corporation	TR		2,721,045	62,822		3,072,047	5,855,914 3,477,724	
14	Teachers' Retirement Allowance Fund Board	CE		2,261,425	375,813		840,486		0.10% 0.05%
	Communities Economic Development Fund The Council on Post-Secondary Education	UG		1,227,664 402,043	84,479 73,751		546,696 596,400	1,858,839 1,072,194	0.03%
	Manitoba Horse Racing Commission	RC							0.03%
				82,968	30,251		205,831	319,050	0.01%
	Diagnostic Services of Manitoba	DSM		1,144,953	48,004		83,591	1,276,548	
	Regional Health Authority - Winnipeg	RWA		12,088,640	185,792		4,279,709	16,554,141	0.47%
19	Regional Health Authority - Brandon	RBH		10,037,024	193,541		6,537,961	16,768,526	0.47%
	Regional Health Authority - Central	RCA		4,389,317	112,085		1,961,764	6,463,166	0.18%
21	Regional Health Authority - Assiniboine	ARH et al		4,385,355	16,954		1,877,599	6,279,908	0.18%
	Regional Health Authority - Parkland	RPL		3,121,450	52,201		1,897,410	5,071,061	0.14%
	Regional Health Authority - Interlake	RIL		3,175,851	96,372		2,047,558	5,319,781	0.15%
	Regional Health Authority - South Eastman	RSE		1,695,448	124,455		512,662	2,332,565	0.07%
	Regional Health Authority - Nor-Man	RNF/RNM		1,287,115	94,107		518,563	1,899,785	0.05%
	Regional Health Authority - North Eastman	RNE		1,046,159	40,941		633,473	1,720,573	0.05%
	Regional Health Authority - Burntwood	RBW		413,839	40,226		300,357	754,422	0.02%
	Manitoba Development Corporation	MDC		106,303	-		-	106,303	0.00%
	Workers' Compensation Board	WC		-	-		6,470	6,470	0.00%
30	WECO	WEC		-			758,585	758,585	0.02%
			\$	1,680,771,320	\$ 70,524,011	\$	1,499,431,836	\$ 3,250,727,167	91.41%
Mat	ching Employers				· 				
	Manitoba Lotteries Corporation	LF		41,311,124	1,860,311		6,809,190	49,980,625	1.41%
	Manitoba Housing Authority	HA		21,511,098	1,068,755		14,447,682	37,027,535	1.04%
3	CUPE Support Workers	CSW		738,714	7,742		_	746,456	0.02%
	Manitoba Agricultural Services Corporation	MAS		6,681,475	94,638		495,372	7,271,485	0.20%
	Manitoba Crop Insurance Corporation	CI /CIC		12,860,920	566,568		11,798,889	25,226,377	0.71%
	Manitoba Government and General Employees' Union	EA		10,050,684	335,452		9,315,635	19,701,771	0.55%
	Manitoba Hydro Utilities Service	MHU		991,343	65,399		-	1,056,742	0.03%
	Child and Family All Nations Coordinated Network Inc.	ANR		1,496,077	163,412		_	1,659,489	0.05%
9	The Civil Service Superannuation Board	SB		7,017,789	1,103,687		3,845,177	11,966,653	0.34%
10	Gaming Control Commission	GC		3,194,068	16,168		475,477	3,685,713	0.10%
	Travel Manitoba	TM		1,299,124	13,994		191,430	1,504,548	0.04%
	Food Development Centre	FD		1,370,221	451,366		102,313	1,923,900	0.05%
	Manitoba Floodway Expansion Authority Inc.	MFA		1,494,544	37,415		130,663	1,662,622	0.05%
	, , , , , , , , , , , , , , , , , , , ,	MC		1,363,102	104,476		2,696,987	4,164,565	0.03%
	Dairy Farmers of Manitoba	IT						2,848,270	0.12%
	Industrial Technology Centre			2,074,324	378,618		395,328		
	Hams Marketing Services Co-Op Inc.	HM		1,571,638	76,391 5 140		2,728,365	4,376,394	0.12%
	Manitoba Film and Sound Recording Development Corporat	MFS		332,317	5,160		- 007.001	337,477	0.01%
	Manitoba Pork Council	PC		377,021	37,590		896,094	1,310,705	0.04%
	Manitoba Arts Council	MA		368,981	30,123		421,640	820,744	0.02%
	Manitoba Chicken Producer Board	CB		365,259	=		159,612	524,871	0.01%
	Sport Manitoba	SM		619,618	14,769		42,446	676,833	0.02%
	Crown Corporations Council	CR		835,964	-		887,905	1,723,869	0.05%
	MFC Testing and Research Inc.	MTR		8,703	-		-	8,703	0.00%
	Manitoba Cattle Enhancement Council	MCE		105,087	-		-	105,087	0.00%
	Manitoba Turkey Producers	ТВ		126,986	5,242		652,591	784,819	0.02%
	Paletta & Company Hotels	PCH		41,078	-		2,891	43,969	0.00%
	Venture Manitoba Tours Ltd.	VT		274,277	-		43,877	318,154	0.01%
	Economic Innovation and Technology Council	MR		1,125,642	1,163,949		3,488,819	5,778,410	0.16%
	Manitoba Development Corporation	DFP		19,853	95,147		536,542	651,542	0.02%
	Manitoba Hazardous Waste	HW		-	-		500,532	500,532	0.01%
	Manitoba Water Services Board	WS		-	110,998		453,069	564,067	0.02%
	Human Resources and Employment Centres	R's/HE		1,172,317	214,353		2,575,872	3,962,542	0.11%
33	Manitoba Beef Commission	BC		154,811	-		314,427	469,238	0.01%
34	Local Government Districts	LG		-	-		141,566	141,566	0.00%
35	Manitoba Mineral Resources Limited	MM		-	-		38,893	38,893	0.00%
36	Manitoba Data Services	DS		-	-		353,809	353,809	0.01%
37	Money Purchase Plan Annuity	MPP		-	-		5,371,320	5,371,320	0.15%
38	No Billing (Charged to Fund)	NB		75,552,486	2,125,947		28,494,473	106,172,906	2.99%
			\$	196,506,645	\$ 10,147,670	\$	98,808,886	\$ 305,463,201	8.59%
						_		•	
3 I - E	Dec-10 Total Fund Liabilities for Basic Benefits		\$	1,877,277,965	\$ 80,671,681	\$	1,598,240,722	\$ 3,556,190,368	100.00%
31-5	Dec-09 Total Fund Liabilities for Basic Benefits		\$	1,873,611,277	\$ 75,859,556	\$	1,499,107,013	\$ 3,448,577,846	100.00%

9. SENSITIVITY TEST (DURATION)

The impact on pension liabilities of changes in the actuarial assumptions depends largely upon the number of years over which benefits will be paid and the exact pattern of the expected benefit cash flow. The demographics of the group covered by a valuation have an impact on the resulting change in liability for a given change in an actuarial assumption. Different parts of the valuation are affected differently by a change in a specific valuation assumption. Two of the more significant assumptions are the real rate of return and the assumed inflation rate expected in the future. There are rules of thumb to estimate the effect upon liabilities of a change in the assumed real rate or assumed inflation rate. These rules of thumb can be expressed mathematically by introducing the concept of duration where:

% change in liability = - duration x % change in assumed rate

The approximation is usually quite good for small changes in the assumed rate (we will test a negative 1/4% change). For larger changes, the concept of convexity must be introduced which we will not explore in this Report. The following table summarizes the application of the above formula to the Fund data as at December 31, 2010.

GOING CONCERN			Decrea	ase Real Rate 1/4%	
Real Rate	4.00%		3.75%		
Inflation Rate	2.00%		2.00%		
Nominal Rate	6.00%		5.75%		
Mortality	UP2020		UP2020	% Change in	Estimated
Liability Category	Liability		Liability	Liability	Duration
Active Participants	\$ 1,877,277,965	\$	1,955,401,994	4.16%	16.65
Other Participants	80,671,681		83,284,945	3.24%	12.96
Pensions in Payment	1,598,240,722		1,633,925,120	2.23%	8.93
Adjustments	9,019,516		21,354,126	136.75%	-
Surplus/(Unfunded)	(305,898,884)		(434,655,185)		_
Total	\$ 3,259,311,000	\$	3,259,311,000	3.61%	14.45
Increase/(Decrease) in Liabilities		\$	128,756,301		

SOLVENCY TEST		Decre	ase Real Rate 1/4%	
Cash Settlements 1st 10 years	3.30%	3.05%		
Cash Settlements thereafter	5.00%	4.75%		
Annnuity Purchases	4.48%	4.23%		
Mortality	UP2020	UP2020	% Change in	Estimated
Liability Category	Liability	Liability	Liability	Duration
Active Participants	\$ 2,665,951,722	\$ 2,775,950,744	4.13%	16.50
Other Participants	96,736,131	100,314,931	3.70%	14.80
Pensions in Payment	1,839,362,507	1,885,204,867	2.49%	9.97
Adjustments	(43,151,821)	(43,151,821)	0.00%	-
Surplus/(Unfunded)	(1,299,587,539)	(1,459,007,721)		_
Total	\$ 3,259,311,000	\$ 3,259,311,000	3.50%	13.99
Increase/(Decrease) in Liabilities	-	\$ 159,420,182		

10. PROVISION FOR FUTURE ADVERSE DEVIATIONS (PfADs)

Assumed Rate of Return

Currently, there is a PfAD contained implicitly in the assumed rate of return of 6.00% per year, which is estimated to equal to 1.11% (please refer to Appendix III – Page 5 for further detail). This provision may or may not prove to be adequate in the future. Consideration should be given to lowering the current real rate of 4.00% per year in the future.

Retirement Rates

Current expected retirement rates allow for at least 10% higher retirements than the best estimate of actual retirement experience to date. Given the large number of "baby boomer" retirees expected in the near future, these rates may or may not prove to be adequate. Continued monitoring of retirement experience should occur.

Mortality Rates

Current expected mortality rates provide a best estimate of actual mortality experience to date. These rates are the same as the basis on which lump-sum payments are made and reflect the increasing longevity of the membership. These rates may or may not prove to be adequate in the future. Continued monitoring of mortality experience should occur.

Indexing Contingency

No provision for indexing has been made on the Going Concern Valuation Balance Sheet other than for existing deferred pensioners (1.33% per year in the deferral period). A Separate Report is prepared on the Superannuation Adjustment Account that makes some provision for indexing of pensions in payment.

Contribution Deficiency Contingency

A provision for the \$34,234,168 annual contribution deficiency has been made on the Going Concern Valuation Balance Sheet. This provision is equal to \$68,468,337. This provision assumes that the contribution rates to the Fund will increase by 2.00% of salary (matched by employers) in a staggered manner over the next 4 years.

Contribution rates to the Fund need to be increased in the near future to eliminate the current contribution deficiency so that future benefit accruals do not cause further increases in the unfunded liability in the Fund.

Asset Smoothing Adjustment

An asset smoothing adjustment to buffer past and possible future adverse investment experience has been utilized for this Report and is equal to \$58,448,821 on the Going Concern and Solvency Test Valuation Balance Sheets (please refer to Appendix III – Page 3). This reserve is a write-up of assets for this Valuation which may or may not mitigate in full, or in part, past and possible future adverse investment experience.

11. SUBSEQUENT EVENTS

- This Valuation reflects the new CIA commuted value standards effective April I, 2009, but not investment or demographic experience that has occurred after 2010, nor is it required for this Report. It is anticipated that mortality decreases resulting from the CIA standards effective February I, 2011 will increase the liabilities of the Fund by about 2.00%.
- Changes to the Manitoba Pension Benefits Act largely effective May 31, 2010 do not have a material impact on the going concern financial health of the Plan. However, these changes are expected to materially improve the solvency test financial health of the Plan in the next Valuation due to changes legislated in the vesting criteria needed for the early retirement privileges incorporated in lump-sum settlements.
- Salary gains occurred in 2010. Possible budget constraints in the Province of Manitoba may lead to salary gains in the next year but likely not after 2011. These gains, when and if they occur, will be reflected in the next valuation of the Plan.
- In respect of future service, it was recommended in the last Valuation that contribution rates of employees and matching employers to the Basic Account be increased as indicated in the table below, in the near future, to eliminate the current contribution deficiency so that future benefit accruals do not cause an unfunded liability in the Fund. If 10.2% of the contribution increase is allocated to the Indexing Account, then the contribution increase requirements are even higher, as indicated in the table below. It is now anticipated that contributions will increase by 2.00% of salary (matched by employers) in a staggered manner over the next 4 years. As a result, a small contribution deficiency will persist and should be monitored closely.
- In respect of past service, it continues to be recommended that the Province of Manitoba, the Liaison Committee, and the Advisory Committee be informed that the current going concern deficit of \$305,898,884 could be amortized by 15 annual payments of \$34,061,783 (assumes 10.2% is allocated to the Indexing Account) which is equivalent to 1.75% to 2.07% of salary over the next 15 years, as indicated in the table below. Although it is not recommended that deficit recovery occur at this time, the parties must be made aware that it may become a requirement in the future if future excess investment and/or demographic experience is not generated in the Fund. It is anticipated that unfavourable 2011 investment experience will accelerate a need to address deficit recovery in the near future.

	Possible Contribution Increases	Basic Ac	count Only			Basic & Indexing Account			
	to be considered separately for both	Without a 10.2	% of Contribu	ition		With a 10.2% of Contribution			
	Employees and Matching Employers	Allocation to the	e Indexing Acc	count		Allocation to the Indexing Account			
			< CPPE /	≥ CPPE *	-		< CPPE /	> CPPE	
Α	Future Service > Valuation date								
	Recommended Contribution Increase	\$ 34,234,168	1.76%	2.08%	\$	38,122,682	1.96%	2.32%	
В	Past Service < Valuation date								
	Possible Amortization of Going Concern Deficit of								
	(\$305,898,884) over 15 years	30,587,481	1.57%	1.86%		34,061,783	1.75%	2.07%	
С	Total Potential Increase Before Scheduled Increases	\$ 64,821,649	3.33%	3.94%	\$	72,184,465	3.71%	4.39%	
D	Contribution Rate Increases that are Recommended to								
	occur in the next 4 years (2.00% * 89.8%)	n/a	n/a	n/a	\$	34,846,639	1.80%	1.80%	
E	Total Potential Increase Not Yet Scheduled: C - D	n/a	n/a	n/a	\$	37,337,826	1.91%	2.59%	

- Current contributions are represented as a percentage of earnings above/below the Canada Pension Plan Earnings (CPPE).
- Any contribution increase to employees in excess of 9.00% (on a blended basis) of salary will require the approval of the Canada Revenue Agency to ensure continued tax deductibility of such employee contributions.
- Investment experience in 2011 is likely to be unfavourable.
- We are not aware of any other matters or subsequent events occurring since the completion of this Report which would materially adversely affect the financial position as at December 31, 2010.

APPENDIX I

CRA Registration No. 345827

MB Registration No. 345827

Financial & Membership Data

Total Assets Available for Basic Benefits (Source: Audited Financial Statements)

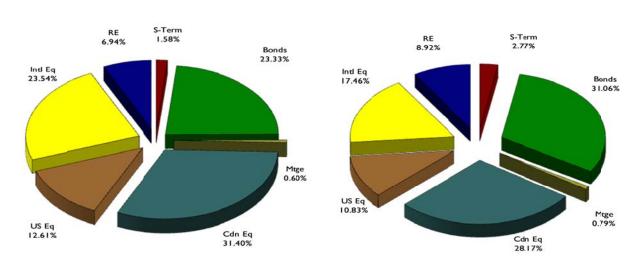
	31-Dec-10	31-Dec-09
Assets		
Fixed Income Investments (market value)	\$1,254,083,000	\$1,385,300,000
Equity Investments (market value)	3,661,472,000	2,615,889,000
	\$4,915,555,000	\$4,001,189,000
Net Receivables/Payables (includes a Province Trust Account) (Note 5)	5,114,000	96,332,000
Debt due from the Province of Manitoba (Note 1)	1,826,000	1,826,000
Correctional Officers' Trust Account (Note 2)	(4,792,000)	(4,145,000)
Employer Trust Accounts (Note 3)	(59,356,000)	(52,057,000)
Money Purchase Accounts Plan (Note 4)	(20,631,000)	(19,477,000)
The Province of Manitoba Unfunded Pension	(1,201,935,000)	(732,977,000)
Liability Trust Account I & 2 (Note 5)		
	\$ 3,635,781,000	\$3,290,691,000
Superannuation Adjustment Account	(376,470,000)	(342,550,000)
Total Assets Available for Basic Benefits	\$ 3,259,311,000	\$2,948,141,000

- Note I: Under Section 24(I) of the Act, the Province of Manitoba assumed an accrued liability of \$1,826,000 for its employees and pensioners as at May I, 1939. The Province of Manitoba pays semi-annual interest at 4.00% per annum on this amount.
- Note 2: Effective November 19, 1996, employees who are members of the Province of Manitoba's Corrections Component are required to contribute an additional 1.00% of pensionable earnings. These additional contributions, which are credited to this trust account, are intended to fund the additional pension benefits for eligible employees who may retire as early as age 50 with no reduction for early retirement providing age and qualifying service is equal to a total of 75 or greater.
- Note 3: The Fund is responsible for providing enhanced benefits enacted in the 1992 legislation agreed to by the Employee Liaison Committee and the Employer Pension Advisory Committee. These benefits are 100% financed from the Fund's net assets available for benefits. To facilitate this funding, trust accounts were established for most employers participating in the Fund for their share of the actuarial valuation of these future benefit enhancements. Specific contributions from eligible employees are being transferred to the applicable trust account.
- Note 4: Effective January 2, 1985, a separate Money Purchase Accounts Plan was established to enhance the portability of pensions. Contributors include employees, recipients of superannuation allowances, annuities, or pensions payable under the Act, or persons on whose behalf the Board is required or requested to transfer moneys to this Plan. Refunds are made upon written request by the contributor. Administrative costs are recovered by the Board.
- Note 5: The Province of Manitoba has established a fund for the purpose of accumulating funds for the eventual retirement of the Province of Manitoba's unfunded pension obligation. Under the terms of March 6, 2001 and March 30, 2009 agreements between the Province of Manitoba and the Board, the Province of Manitoba established funds with the Board and the Province of Manitoba to which it is making the required payments to these funds. As well, the Province of Manitoba is making payments to this fund that are related to the Special Operating Agencies' unfunded pension liabilities. Payments received by the Board from the Province of Manitoba are held by the Board in trust for and on behalf of the Province of Manitoba and are invested by the Board on behalf of the Province of Manitoba. The payments received are not assets of the Plan and accordingly, they are accounted for by the Fund in the Unfunded Pension Liability Trust Accounts. These trust accounts earn investment income at a rate of return equal to the rate of return earned by the Fund. The Board receives an investment management fee for its services. The payments made by the Province of Manitoba to the Board do not reduce the accrued pension benefit obligations of the Fund. The Trust Agreements have been recently amended to make the trusts irrevocable. Accordingly, the assets in the Trust Accounts can not be used for any purposes other than to fund the payments of pension benefits for which the Province of Manitoba is responsible and to pay the costs and expenses that are directly attributable to the administration of the Trust Accounts. In October 2007, The Financial Administration Act was amended to allow for withdrawals from the fund to pay, or fund the payment of, pension benefits for which the Province of Manitoba is responsible.

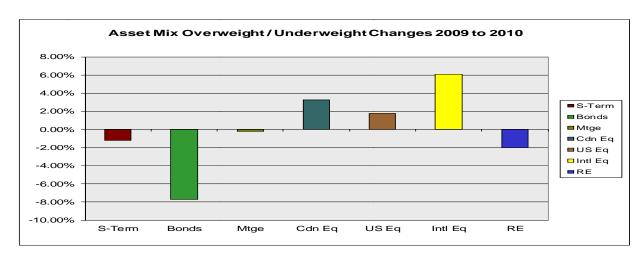
2. Asset Mix Distribution

		31-Dec-l	0	31-Dec-09				
١.	Short Term (S-Term)	\$ 77,846,000	1.58%	\$	110,720,000	2.77%		
2.	Bonds and Debentures (Bonds)	1,146,595,000	23.33%		1,242,838,000	31.06%		
3.	Mortgages (Mtge)	29,642,000	0.60%		31,742,000	0.79%		
	Fixed Income	\$ 1,254,083,000	25.51%	\$	1,385,300,000	34.62%		
4.	Canadian Equities (Cdn Eq)	1,543,247,000	31.40%		1,126,959,000	28.17%		
5.	U.S. Equities (US Eq)	619,971,000	12.61%		433,423,000	10.83%		
6.	Non-North American Equities (Intl Eq)	1,156,991,000	23.54%		698,610,000	17.46%		
7.	Real Estate (RE)	341,263,000	6.94%		356,897,000	8.92%		
	Equity	\$ 3,661,472,000	74.49%	\$	2,615,889,000	65.38%		
		\$ 4,915,555,000	100.00%	\$	4,001,189,000	100.00%		





To limit the exposure to interest rate fluctuation and to obtain the best possible return at an acceptable risk, the Board amended the long-term investment asset mix policy to be 30% fixed income and 70% equity (Source: Audited Financial Statements).



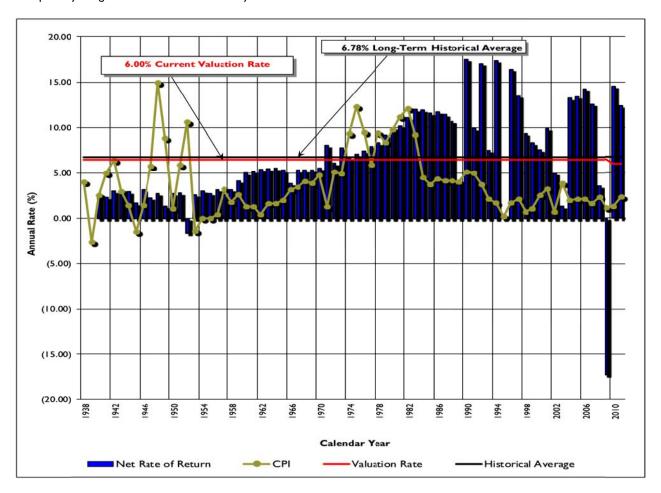
3. Historical Cash Flow: 72 Years (Basic Account and Indexing Account)

CRA Registration No. 345827 MB Registration No. 345827

Year Assest	[8]	[7]	[6]	[5]	[4]	[3]	[2]		[1]
1939 \$ 5,022,908 \$ 452,383 \$ (117,994) \$ (4,181) \$ 0 \$ 123,003 \$ 5,476,149 \$ 462,664 (172,927) (8,018) 0 130,602 5,886,719 \$ 1941 \$ 469,679 \$ 452,799 (200,751) (7,066) 0 181,855 6,456,879 \$ 452,799 (200,751) (7,066) 0 181,855 6,456,879 \$ 452,799 (200,751) (7,066) 0 181,855 6,456,879 441,331 (237,906) (6,801) 0 121,812 7,46100 1945 7,610,862 441,331 (237,906) (6,801) 0 121,812 7,46100 1945 7,610,862 476,802 (279,994) (3,355) 0 243,235 8,043 491,994 1947 8,432,611 778,1339 (228,494) (7,899) 0 226,688 9,111,919 9,102,131 995,668 (21,379) (10,715) 0 (218,081) 9,302,131 995,668 (21,379) (479,493) 0 264,464 10,038 7,994 1,994 9,302,131 995,668 (21,379) (479,493) 0 264,464 10,038 7,994 1,994 1,994 1,994 1,194,153 1,19				Investment	F				V ++
1940 5.476,149 442,964 (172,977) (6,018) 0 130,602 5.888,779 1941 5.888,779 (200,751) (7,086) 0 181,855 6.456,878 455,779 (200,751) (6,652) 0 20,751] 7.292,426 441,313 (237,906) (6,852) 0 20,751] 7.729,4 7.292,426 441,311 (237,906) (8,863) 0 241,812 7.610,8 7.292,4 7.680 7.729,4 7.880 7.729,4	Return	Assets	Income	Fees	Expenses	Benefits	Contributions	Assets	Year**
1941 5.888,770 594,089 (200,751) (7,066) 0 181,856 6.456,878 1943 6.456,878 455,779 (208,762) (2,682) (6,852) 0 203,731 7,292,426 411,331 (237,906) (6,801) 0 121,812 7,410,862 476,802 (279,094) (8,365) 0 243,235 8,043,41 1946 8.493,415 778,368 (224,104) (6,577) 0 181,284 411,331 778,368 (224,104) (6,577) 0 181,284 411,331 778,368 (335,404) (7,675) 0 181,284 411,331 778,368 (335,404) (7,675) 0 0 235,648 7,111,361 7,11	149 2.37%	\$ 5,476,149	\$ 123,003	\$ 0	\$ (4,151)	(117,994)	\$ 452,383	\$ 5,022,908	1939
1942 6.456,678 455,779 (208,791) (6,892) 0 189,072 6.883,179 1944 7,7292,426 441,331 (237,906) (6,801) 0 121,612 7,610,192 1945 7,610,862 476,802 (279,904) (8,365) 0 243,235 8,043,4 1945 8,432,41 1946 8,432,41 778,339 (278,044) (7,869) 0 236,658 8,043,4 1946 9,111,335 792,668 (372,476) (10,715) 0 (218,081) 9,302,137 990,065 (372,476) (10,715) 0 226,244 (10,318,739) 1950 10,003,730 1,779,737 (272,776) (12,439) 0 222,444 (10,318,739) 1,779,737 (272,776) (12,439) 0 (226,715) (10,318,710) 1,779,737 (272,776) (12,439) 0 (12,45,915) (10,318,710) 1,779,737 (272,776) (12,439) 0 (12,45,915) (10,318,710) 1,779,737 (272,776) (12,439) 0 (12,45,915) (10,318,710) 1,779,737 (272,776) (12,439) 0 (12,45,915) (13,45,92) (13	770 2.33%	5,888,770	130,602	0	(8,018)	(172,927)	462,964	5,476,149	1940
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1944 7,222,426		6,883,479			(9,488)	(208,762)			
1945		7,292,426							
1946 8,043,440 495,588 (284,104) (6,597) 0 184,284 8,432,61 1947 778,339 (328,040) (7,669) 0 236,689 7,111,3 1948 9,111,335 792,068 (372,476) (10,715) 0 (218,081) 9,302,131 195,00 10,388,779 994,024 (469,602) (9,293) 0 286,002 10,389,710 11,795,79 994,024 (469,602) (9,293) 0 286,002 10,389,710 11,795,79 (327,276) (12,349) 0 (179,115) 11,300,747 1,344,962 (553,862) (11,919) 0 (1,265,915) 10,814,013 1,462,734 (666,186) (12,101) 0 341,675 11,940,155 1,411,842 (690,616) (15,320) 0 341,770 331,872 11,940,155 1,411,842 (690,616) (13,320) 0 341,770 331,872 11,940,155 1,411,842 (690,616) (13,320) 0 341,770 384,823 15,002,977 (13,476) (14,476) 0 341,970 (14,476) 0 341,970 (14,476) 0 341,970 (14,476) 0 341,970 (14,476) 0 341,970 (14,476) 0 341,970 (14,476) 0 341,970 (14,476) 0 341,970 (14,476) 0 341,970 (14,476) 0 (14,480) 0 522,973 (17,489) (19,489)		7,610,862							
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1951 10,839,910		10,839,910							
1952- 11,300,747		11,300,747				• • •			
1994 11,940,155		10,814,013		0			1,344,962	11,300,747	1952*
1955 13.187,831 1.663,647 (773,936) (12.476) 0 434,896 14.499,92 1957 15.802,977 2.130.165 (798.04) (19.480) 0 523,977 17.639.2 1958* 17.639.237 2.135.882 (917.013) (23.340) 0 764,898 19.959* 19.859,644 2.661.599 (1.035,623) (27.240) 0 1.039,120 22.497,500 14.44,552 (1.154.232) (31.120) 0 1.246,736 2.67,93.2 1961 2.6703.236 2.997,316 (1.403,725) (28.990) 0 1.485.022 29.682.8 1962 2.9497,500 2.947,500 (1.605,710) (28.171) 0 1.668.806 32.913.8 1962 2.949,500 3.945,024 (1.605,710) (28.171) 0 1.668.806 32.913.8 1963 32.913,988 3.558.599 (1.759,225) (38.149) 0 1.979,089 40.149.2 1965 40.149.245 3.160,279 (2.014,266) (2.9449) 0 1.979,089 40.149.2 1965 40.149.245 3.160,279 (2.014,266) (2.9449) 0 1.979,089 40.149.2 1965 40.149.245 3.160,279 (2.014,266) (2.9449) 0 1.970,089 40.149.2 1966 42.836.338 3.753.592 (3.651,008) (32.977) 0 2.274,524 45.132.4 1967 43.132.426 43.69350 (2.643,540) (46.180) 0 2.701,658 54.274.01 1970 60.138,690 6.680,379 (3.486,690) (94.068) 0 4.790,327 66.218.63 7.799,868 (4.149,299) (0.14,499) 0 4.701,233 76.022,933 91.673.47 (4.838.136) (143,101) 0 6.082,486 86.294,79 10.468,999 (5.931,048) (14.495) 0 7.034,569 10.935,564 17.478.809 (7.5977) 0 3.074,545 66.118.0 19.754 96.611,629 13.415,988 (7.519,676) (187,266) 0 7.034,569 10.935,564 17.478.809 (7.5977) (1.658,670) (1.658,670) (1.658,670) (1.658,670) (1.658,670) (1.658,670) (1.658,670) (1.658,670) (1.658,670) (1.658,670) (1.658,670) (1.659,670) (1.658,670) (1.658,670) (1.658,670) (1.659,6	155 3.05%	11,940,155	341,695	0	(12,101)	(666,186)	1,462,734	10,814,013	1953
1956	831 2.76%	13,187,831	341,770	0	(15,320)	(690,616)	1,611,842	11,940,155	1954
1957 15,802,977 2,130,165 (798,404) (19,480) 0 523,979 17,639-23 1958* 1959* 19,859,644 2,661,599 (1,035,623) (27,240) 0 1,039,120 22,497,500 1961 22,497,500 4,144,552 (1,154,232) (31,120) 0 1,246,736 2,6703.2 1961 26,703,236 2,927,316 (1,403,725) (28,990) 0 1,485,022 29,682,891 1962 29,682,893 3,196,204 (1,605,710) (28,171) 0 1,668,006 32,913,919,33 32,913,988 3,558,599 (1,759,225) (36,477) 0 1,973,563 36,550,24 36,550,248 3,877,559 (2,219,502) (38,149) 0 1,979,089 40,149,219,194,245 3,160,277 (2,014,266) (29,849) 0 1,979,089 40,149,219,194,245 3,160,277 (2,014,266) (29,849) 0 1,570,949 40,149,219,194,245 3,160,277 (2,014,266) (29,849) 0 1,270,089 40,149,219,194,245 (4,369,356) (2,643,340) (46,180) 0 2,474,524 45,132,426 4,369,356 (2,643,340) (46,180) 0 2,474,524 45,132,427 (46,180) 0 2,474,524 45,132,427 (46,180) 0 2,701,658 54,274,04 (46,180) 0 2,701,658 54,274,		14,499,962							
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1968	426 5.31%	45,132,426	2,274,524	0	(52,977)	(3,651,008)	3,725,529	42,836,358	1966
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2005 2,772,253,000 191,600,000 (213,939,000) (1,478,000) (4,312,000) 398,284,000 3,142,408,0 2006 3,142,408,000 212,647,000 (237,555,000) (1,540,000) (4,035,000) 397,998,000 3,509,923,0		2,772,253,000		, ,	, ,				
2006 3,142,408,000 212,647,000 (237,555,000) (1,540,000) (4,035,000) 397,998,000 3,509,923,0		3,142,408,000							
		3,509,923,000							
		3,587,251,000							
		3,290,691,000							
		3,635,781,000						3,290,691,000	
\$4,065,451,375 \$(4,677,232,325) \$(34,442,448) \$(57,480,979) \$4,334,462,469	6.78%		\$ 4,334,462,469	\$(57,480,979)	\$ (34,442,448)	(4,677,232,325)	\$ 4,065,451,375	•	

- CRA Registration No. 345827 MB Registration No. 345827
- * Some numbers in 1958, 1959, and 1964 were estimated. 1946 is an 11-month "year", and 1965 is a 9-month "year". (Adjusted Book Value" 1939-1990 | Market Value: 1991-2007). In 1948, 1951 and 1952 transfers to reserves for possible future losses on account of investment principal were made, and special adjustments under the Act occurred.
- ** Years 1939 to 1945 commenced on May I, years 1946 to 1964 commenced on April I. Thereafter, calendar years are reported.
- *** The large decrease in assets in 1997 was due to the privatization of MTS.
- **** Rates of return are arithmetical and are calculated on the basis of mid-year cashflow.

The volatility in recent asset values is due to the Auditor's requirement that market values be reported. Previously, adjusted book values were used. The Valuation Balance Sheet separately reflects a smoothing asset adjustment reserve to partially mitigate or neutralize this volatility.



Historical Cash Flow: 5 Years (Basic Account)

[1]		[2]	[3]	[4]	[5]	[6]	[7]	[8]
	Opening	Fund & Pa	Fund & Pay-as-you-go		Investment	Investment	Closing	Net
Year	Assets	Contributions	Benefits	Expenses	Fees	Income	Assets	Return
2006	\$ 2,949,3 4,000	\$ 203,958,000	\$ (222,541,000)	\$(1,540,000)	\$ (4,035,000)	\$374,648,000	\$3,299,804,000	12.61%
2007	\$3,299,804,000	205,565,000	(244,696,000)	(1,482,000)	(5,459,000)	121,612,000	3,375,344,000	3.54%
2008	3,375,344,000	222,807,000	(267,126,000)	(1,265,000)	(2,152,000)	(584,724,000)	2,742,884,000	(17.51%)
2009	2,742,884,000	236,239,000	(421,259,000)	(1,484,000)	(3,409,000)	395,170,000	2,948,141,000	14.79%
2010	2,948,141,000	250,061,000	(300,446,000)	(1,461,000)	(3,743,000)	366,759,000	3,259,311,000	12.42%
		\$1,118,630,000	\$(1,456,068,000)	\$(7,232,000)	\$(18,798,000)	\$673,465,000		5.17%

4. Membership Summary (records processed for liability calculations)

		31-Dec-10			31-Dec-09	
Category	Males	Females	Total	Males	Females	Total
Active Participants	15,220	14,736	29,956	14,980	14,373	29,353
Other Participants						
- Long-Term Disability *	40	100	140	40	103	143
- Deferred Annuities	1,184	1,463	2,647	1,157	1,432	2,589
- Transfers	69	45	114	75	50	125
-	1,293	1,608	2,901	1,272	1,585	2,857
Pensions in Payment						
- Pensioners	8,463	5,521	13,984	8,299	5,282	13,581
- Survivors	268	2,434	2,702	248	2,381	2,629
	8,731	7,955	16,686	8,547	7,663	16,210
Total	25,244	24,299	49,543	24,799	23,621	48,420

CRA Registration No. 345827

MB Registration No. 345827

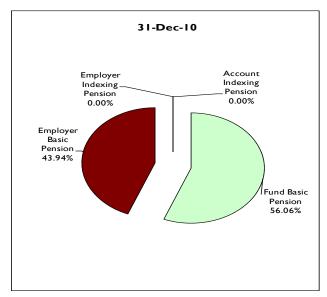
^{*} The LTD recipients who will receive an enhanced disability benefit (not a responsibility of the Fund) on cessation of LTD income are also reflected in the number of pensions in payment (a portion of which is the liability of the Fund).

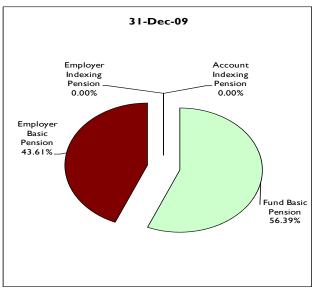
		31-Dec-10)		31-Dec-09		
			Fund			Fund	
			Average			Average	
		Average	Monthly		Average	Monthly	
	Number	Age	Pension	Number	Age	Pension	
Active Participants	29,956	44.06	\$ 535.64	29,353	44.07	\$548.82	
Other Participants	2,901	48.90	216.24	2,857	48.57	216.67	
Pensions in Payment	16,686	70.04	721.29	16,210	69.31	696.24	
Total	49,543	53.09	\$ 579.46	48,420	52.79	\$ 578.57	

- The active participant average monthly pension which is the responsibility of the Fund has been estimated from salary and service data as these participants have not yet retired, disabled, terminated, or died and therefore have not had their pension determined explicitly by the Board. The amounts shown in the prior Report have been restated for such participants.
- The total membership counts shown in the Report are different from the amounts reported in the General Manager's Report due to additional new entrants, retirements, disablements, terminations, and deaths following December 31, 2010, that were provided by the staff of the Board.
- This Report is in respect of Fund obligations. The Fund average monthly pension has been shown above which represents approximately 55% of the total pensions paid to participants prior to reflecting indexing. Additional information is shown on the following pages that detail Fund pension amounts as well as the pension amounts payable outside the Fund by the Indexing Account and the pay-as-you-go employers. The valuation of the obligations not belonging to the Fund are reported separately.

5. Active Participants Age Profile (This Report is in respect of Fund obligations only. Employer in the information below refers to pay-as-you-go employers. The Fund includes matching employer pension information.)

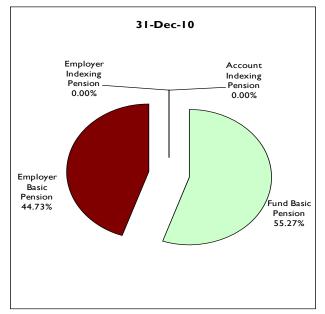
		Average Monthly Pension							
		Basic I	Pension	Inde	xing				
Age Band	Number	Fund	Employer	Employer	Account	Total			
15 - 19	41	\$ 11.90	\$ 5.76	\$ -	\$ -	\$ 17.66			
20 - 24	1,189	43.14	29.34	-	-	72.48			
25 - 29	2,425	101.28	72.92	-	-	174.20			
30 - 34	3,195	185.82	134.29	-	-	320.11			
35 - 39	3,457	290.41	213.36	-	-	503.77			
40 - 44	3,931	451.09	338.30	-	-	789.39			
45 - 49	4,993	643.01	505.02	-	-	1,148.03			
50 - 54	5,069	809.73	642.91	-	-	1,452.64			
55 - 59	3,733	904.98	720.94	-	-	1,625.92			
60 - 64	1,614	869.52	694.74	-	-	1,564.26			
65 - 69	309	908.01	886.94	-	-	1,794.95			
70 - 74	-	-	-	-	-	-			
75 - 79	-	-	-	-	-	-			
80 - 84	-	-	-	-	-	-			
85 - 89	-	-	-	-	-	-			
90 - 94	-	-	-	-	-	-			
95 - 99	-	-	-	-	-	-			
100 - 104		-							
31-Dec-10	29,956	\$ 535.64	\$419.80	\$ -	\$ -	\$ 955.44			
31-Dec-09	29,353	\$ 548.82	\$ 424.36	\$ -	\$ -	\$ 973.18			

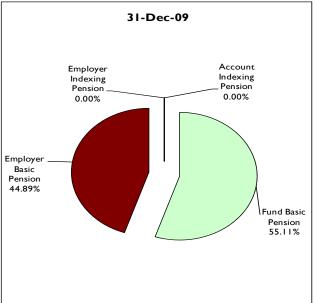




CRA Registration No. 345827 MB Registration No. 345827

		Average Monthly Pension							
		Basic I	Pension	Inde	xing				
Age Band	Number	Fund	Employer	Employer	Account	Total			
15 - 19	-	\$ -	\$ -	\$ -	\$ -	\$ -			
20 - 24	14	24.32	11.10	-	-	35.42			
25 - 29	61	72.31	44.64	-	-	116.95			
30 - 34	136	111.23	65.22	-	-	176.45			
35 - 39	217	122.09	99.49	-	-	221.58			
40 - 44	366	183.42	130.08	-	-	313.50			
45 - 49	619	217.35	169.30	-	-	386.65			
50 - 54	824	300.25	248.68	-	-	548.93			
55 - 59	429	203.91	193.29	-	-	397.20			
60 - 64	208	196.17	153.38	-	-	349.55			
65 - 69	25	135.34	85.39	-	-	220.73			
70 - 74	2	92.06	37.42	-	-	129.48			
75 - 79	-	-	-	-	-	-			
80 - 84	-	-	-	-	-	-			
85 - 89	-	-	-	-	-	-			
90 - 94	-	-	-	-	-	-			
95 - 99	-	-	-	-	-	-			
100 - 104		-				-			
31-Dec-10	2,901	\$216.24	\$ 175.01	\$ -	\$ -	\$ 391.25			
31-Dec-09	2,857	\$216.67	\$ 176.46	\$ -	\$ -	\$ 393.13			

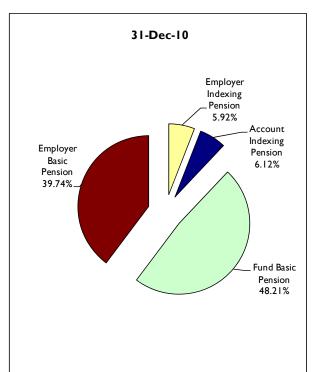


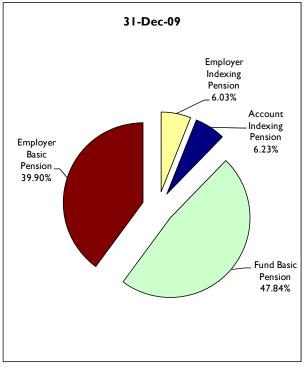


CRA Registration No. 345827 MB Registration No. 345827

7. Pensions in Payment Age Profile (This Report is in respect of Fund obligations only. Employer in the information below refers to pay-as-you-go employers. The Fund includes matching employer pension information.)

		Average Monthly Pension								
		Basic I	Pension	Inde	xing					
Age Band	Number	Fund	Employer	Employer	Account	Total				
15 - 19	-	\$ -	\$ -	\$ -	\$ -	\$ -				
20 - 24	-	-	-	-	-	-				
25 - 29	-	-	-	-	-	-				
30 - 34	1	121.93	93.22	5.41	5.41	225.97				
35 - 39	9	188.66	130.01	4.98	4.98	328.63				
40 - 44	17	213.99	160.33	8.13	8.68	391.13				
45 - 49	73	332.73	276.10	13.35	13.64	635.82				
50 - 54	190	461.02	695.30	19.13	17.59	1,193.04				
55 - 59	2,039	1,029.03	835.75	15.96	15.71	1,896.45				
60 - 64	3,648	986.28	809.13	43.74	45.17	1,884.32				
65 - 69	3,209	778.55	641.65	76.76	78.84	1,575.80				
70 - 74	2,557	618.38	495.15	107.28	110.57	1,331.38				
75 - 79	2,058	518.73	427.08	135.52	141.28	1,222.61				
80 - 84	1,487	423.85	351.74	152.89	159.03	1,087.51				
85 - 89	961	349.78	289.80	178.57	187.25	1,005.40				
90 - 94	364	261.94	251.45	188.64	189.18	891.21				
95 - 99	69	186.01	168.11	199.76	203.07	756.95				
100 - 104	4	77.18	71.58	147.69	147.68	444.13				
31-Dec-10	16,686	\$ 721.29	\$ 594.58	\$ 88.60	\$91.56	\$1,496.03				
31-Dec-09	16,210	\$ 696.24	\$ 580.64	\$ 87.78	\$ 90.72	\$1,455.37				





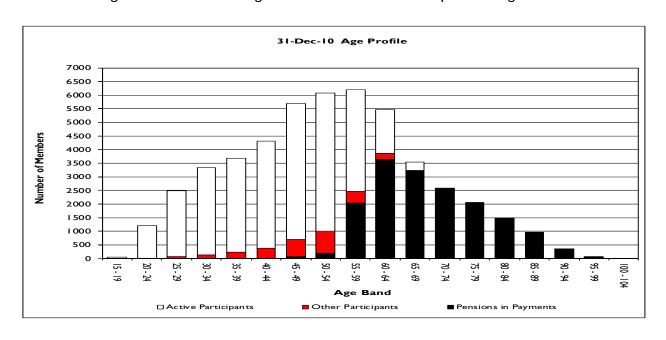
CRA Registration No. 345827 MB Registration No. 345827

CRA Registration No. 345827

MB Registration No. 345827

		Average Monthly Pension									
		Basic P	ension	Index	ing *						
Age Band	Number	Fund	Employer	Employer	Account	Total					
15 - 19	41	\$ 11.90	\$ 5.76	\$ -	\$ -	\$ 17.66					
20 - 24	1,203	42.92	29.13	-	-	72.05					
25 - 29	2,486	100.57	72.23	-	-	172.80					
30 - 34	3,332	182.76	131.46	-	-	314.22					
35 - 39	3,683	280.24	206.45	0.01	0.01	486.72					
40 - 44	4,314	427.45	319.93	0.03	0.03	747.45					
45 - 49	5,685	592.68	465.53	0.17	0.18	1,058.55					
50 - 54	6,083	729.82	591.14	0.60	0.55	1,322.12					
55 - 59	6,201	897.27	722.19	5.25	5.17	1,629.87					
60 - 64	5,470	921.78	750.44	29.17	30.12	1,731.52					
65 - 69	3,543	785.30	659.12	69.52	71. 4 1	1,585.35					
70 - 74	2,559	617.97	494.79	107.20	110. 4 8	1,330.44					
75 - 79	2,058	518.73	427.08	135.52	141.28	1,222.61					
80 - 84	1,487	423.85	351.74	152.89	159.03	1,087.51					
85 - 89	961	349.78	289.80	178.57	187.25	1,005.40					
90 - 94	364	261.94	251.45	188.64	189.18	891.21					
95 - 99	69	186.01	168.11	199.76	203.07	756.95					
100 - 104	4	77.18	71.58	147.69	147.68	444.13					
31-Dec-10	49,543	\$ 579.46	\$464.33	\$ 29.84	\$ 30.84	\$1,104.47					
31-Dec-09	48,420	\$ 578.57	\$462.05	\$ 29.39	\$ 30.37	\$1,100.38					

^{*} The indexing shown above is averaged over the total membership at each age band.



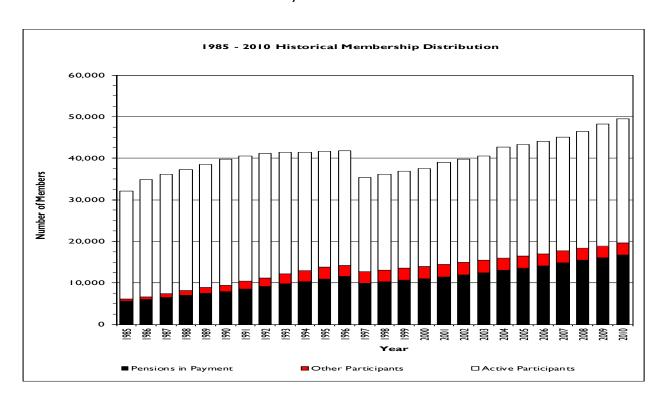
9. Membership Distribution by Year (extracted from General Manager's Report)

CRA Registration No. 345827

MB Registration No. 345827

	Р	articipant	:s		Pensions in I	Payment		
								Grand
Year	Actives	Other	Total	Pensioners	Beneficiaries	Spouses	Total	Total
1985	26,027	454	26,48 I	4,830	456	355	5,641	32,122
1986	28,182	568	28,750	5,191	489	370	6,050	34,800
1987	28,832	794	29,626	5,614	529	398	6,541	36,167
1988	29,107	1,153	30,260	6,003	597	423	7,023	37,283
1989	29,665	1,370	31,035	6,368	663	444	7,475	38,510
1990	30,350	1,562	31,912	6,670	719	482	7,871	39,783
1991	30,106	1,864	31,970	7,254	798	514	8,566	40,536
1992	29,921	2,058	31,979	7,739	870	545	9,154	41,133
1993	29,209	2,344	31,553	8,356	930	542	9,828	41,381
1994	28,544	2,608	31,152	8,679	1,031	558	10,268	41,420
1995	27,952	2,885	30,837	9,165	1,113	59 I	10,869	41,706
1996	27,629	2,705	30,334	9,690	1,188	604	11,482	41,816
1997	22,658	2,774	25,432	8,308	1,060	528	9,896	35,328
1998	22,980	2,842	25,822	8,573	1,160	533	10,266	36,088
1999	23,350	2,827	26,177	8,883	1,279	535	10,697	36,874
2000	23,575	2,933	26,508	9,096	1,313	590	10,999	37,507
2001	24,640	2,961	27,601	9,446	1,438	549	11,433	39,034
2002	24,885	2,982	27,867	9,874	1,509	542	11,925	39,792
2003	25,136	2,996	28,132	10,322	1,587	545	12,454	40,586
2004	26,659	2,952	29,611	10,772	1,674	553	12,999	42,610
2005	26,792	2,958	29,750	11,225	1,747	556	13,528	43,278
2006	27,112	2,893	30,005	11,704	1,829	568	14,101	44,106
2007	27,403	2,893	30,296	12,354	1,886	572	14,812	45,108
2008	28,105	2,897	31,002	12,908	1,961	58 I	15,450	46,452
2009	29,353	2,857	32,210	13,429	2,007	587	16,023	48,233
2010	29,932	2,901	32,833	14,011	1,992	658	16,661	49,494 *

* The 49,543 membership records processed for liability calculations is greater than the 49,494 shown in the above table largely due to the inclusion of members who retired between the end of 2010 and the date the valuation file was sent to the actuary.



10. Reconciliation

Participant Reconciliation (extracted from General Manager's Report)

Year	Jan. I	Entered*	Withdrew	Retired	Disabled	Died	Dec. 31	
1985	25,673	2,271	(908)	(468)	(28)	(59)	26,481	
1986	26,481	3,857	(1,028)	(489)	(29)	(42)	28,750	
1987	28,750	2,787	(1,272)	(541)	(52)	(46)	29,626	
1988	29,626	2,655	(1,387)	(536)	(52)	(46)	30,260	
1989	30,260	2,710	(1,307)	(528)	(49)	(51)	31,035	
1990	31,035	2,718	(1,273)	(470)	(50)	(48)	31,912	
1991	31,912	2,311	(1,389)	(768)	(42)	(54)	31,970	
1992	31,970	1,844	(1,125)	(640)	(31)	(39)	31,979	
1993	31,979	1,739	(1,296)	(808)	(31)	(30)	31,553	
1994	31,553	1,438	(1,189)	(575)	(32)	(43)	31,152	
1995	31,152	1,675	(1,324)	(569)	(30)	(67)	30,837	
1996	30,837	2,353	(1,992)	(763)	(54)	(47)	30,334	
1997	30,334	(3,272)	(1,082)	(478)	(41)	(29)	25,432	
1998	25,432	2,155	(1,182)	(494)	(47)	(42)	25,822	
1999	25,822	2,040	(991)	(585)	(52)	(57)	26,177	
2000	26,177	2,024	(1,105)	(505)	(48)	(35)	26,508	
200 I	26,508	2,803	(1,017)	(598)	(35)	(60)	27,601	
2002	27,601	2,068	(1,016)	(683)	(56)	(47)	27,867	
2003	27,867	1,993	(909)	(710)	(68)	(41)	28,132	
2004	28,132	3,196	(858)	(751)	(60)	(48)	29,611	
2005	29,611	2,074	(1,060)	(755)	(63)	(57)	29,750	
2006	29,750	2,388	(1,251)	(777)	(63)	(42)	30,005	
2007	30,005	2,538	(1,172)	(948)	(65)	(62)	30,296	
2008	30,296	3,126	(1,408)	(906)	(53)	(53)	31,002	
2009	31,002	3,415	(1,243)	(841)	(72)	(51)	32,210	
2010	32,210	2,860	(1,222)	(907)	(61)	(47)	32,833	**
		57,766	(31,006)	(17,093)	(1,264)	(1,243)		

CRA Registration No. 345827 MB Registration No. 345827

Pensioner (excludes survivors) Reconciliation (extracted from General Manager's Report)

Year	Jan. I	Other*	Retired	Disabled	Died	Dec. 31
1985	4,519	-	468	28	(185)	4,830
1986	4,830	I	489	29	(158)	5,191
1987	5,191	-	541	52	(170)	5,614
1988	5,614	(6)	536	52	(193)	6,003
1989	6,003	(9)	528	49	(203)	6,368
1990	6,368	(18)	470	50	(200)	6,670
1991	6,670	5	768	42	(231)	7,254
1992	7,254	34	640	3 I	(220)	7,739
1993	7,739	12	808	3 I	(234)	8,356
1994	8,356	-	575	32	(284)	8,679
1995	8,679	142	569	30	(255)	9,165
1996	9,165	-	763	54	(292)	9,690
1997	9,690	(1,649)	478	41	(252)	8,308
1998	8,308	16	494	47	(292)	8,573
1999	8,573	-	585	52	(327)	8,883
2000	8,883	(20)	505	48	(320)	9,096
2001	9,096	(1)	598	35	(282)	9,446
2002	9,446	(8)	683	56	(303)	9,874
2003	9,874	(24)	710	68	(306)	10,322
2004	10,322	(24)	75 I	60	(337)	10,772
2005	10,772	(29)	755	63	(336)	11,225
2006	11,225	(28)	777	63	(333)	11,704
2007	11,704	(23)	948	65	(340)	12,354
2008	12,354	(25)	906	53	(380)	12,908
2009	12,908	(38)	841	72	(354)	13,429
2010	13,429	(16)	907	61	(370)	14,011 **
		(1,708)	17,093	1,264	(7,157)	

^{*} This category reflects other adjustments. For example, in 1997, this category reflects the privatization of MTS.

^{**} The actual number of participants and pensioners processed for liability calculations is different from the amount shown in the above table, largely due to the inclusion of members who retired between the end of 2010 and the date the valuation file was sent to the actuary.

11. Membership Distribution by Employer

			Active	Other	Pensions	2010
	e of Employer	Code	Participants	Participants	in Payment	Total
Non	-Matching Employers					
ı	Province of Manitoba Civil Service	CS	15,263	1,966	10,779	28,008
2	Manitoba Hydro - Electric Board	MH	5,846	217	2,707	8,770
3	Manitoba Public Insurance	AI/AIE	1,714	139	504	2,357
4	Division of Driver and Vehicle Licencing	AIL	179	5	63	247
5	Red River College	RCC	1,306	98	429	1,833
6 7	Liquor Control Commission	LC	681	61 9	367	1,109 4 0
8	Manitoba Agricultural Services Corporation Addictions Foundation of Manitoba	AC AF	- 326	32	3 I I 5 2	510
9	Assiniboine Community College	ACC	337	31	111	479
10	University College of The North	KCC	325	37	74	436
11	The Legal Aid Services Society of Manitoba	LA	152	14	30	196
12	Manitoba Centennial Centre Corporation	CC	50	6	73	129
13	Teachers' Retirement Allowance Fund Board	TR	32	6	8	46
14	Communities Economic Development Fund	CE	15	3	8	26
15	The Council on Post-Secondary Education	UG	12	1	12	25
16	Manitoba Horse Racing Commission	RC	3	1	5	9
17	Diagnostic Services of Manitoba	DSM	109	-	17	126
18	Regional Health Authority - Winnipeg	RWA	168	17	117	302
19	Regional Health Authority - Brandon	RBH	149	12	151	312
20	Regional Health Authority - Central	RCA	42	5	48	95
21	Regional Health Authority - Assiniboine	ARH et al	33	4	43	80
22	Regional Health Authority - Parkland	RPL	31	6	43	80
23 24	Regional Health Authority - Interlake	RIL RSE	33 22	3 2	47 12	83 36
25	Regional Health Authority - South Eastman Regional Health Authority - Nor-Man	RNF/RNM	18	5	10	33
26	Regional Health Authority - North Eastman	RNE	11	,	16	27
27	Regional Health Authority - Burntwood	RB₩	6	- 5	7	18
28	Manitoba Development Corporation	MDC	_	_	_	_
29	Workers' Compensation Board	WC	_	_	1	ı
30	WECO	WEC	_	_	60	60
			26,863	2,685	15,925	45,473
Mat	ching Employers		26,863	2,685	15,925	45,473
			1 5 1 7	F.2	E 4	1.422
2	Manitoba Lotteries Corporation	LF HA	1,51 <i>7</i> 438	52 37	54 184	1,623 659
3	Manitoba Housing Authority CUPE Support Workers	CSW	230	37	184	230
4	Manitoba Agricultural Services Corporation	MAS	153	- 6	15	174
5	Manitoba Crop Insurance Corporation	CI/CIC	127	26	144	297
6	Manitoba Government and General Employees' U		81	4	37	122
7	Manitoba Hydro Utilities Service	MHU	78	3	_	81
8	Child and Family All Nations Coordinated Netwo	rl ANR	120	6	_	126
9	The Civil Service Superannuation Board	SB	53	13	17	83
10	Gaming Control Commission	GC	54	2	1.1	67
11	Travel Manitoba	TM	41	1	7	49
12	Food Development Centre	FD	38	7	2	47
13	Manitoba Floodway Expansion Authority Inc.	MFA	46	ı	3	50
14	Dairy Farmers of Manitoba	MC	20	5	14	39
15	Industrial Technology Centre	ΙΤ	19	7	7	33
16	Hams Marketing Services Co-Op Inc.	HM	16	3	20	39
17	Manitoba Film and Sound Recording Developmen		10	-	-	10
18 19	Manitoba Pork Council Manitoba Arts Council	PC MA	9 14	2 2	6 4	1 <i>7</i> 20
20	Manitoba Chicken Producer Board	СВ	5	2	-	6
21	Sport Manitoba	SM	4	- I	:	6
22	Crown Corporations Council	CR	4		4	8
23	MFC Testing and Research Inc.	MTR	4	_	-	4
24	Manitoba Cattle Enhancement Council	MCE	3	_	_	3
25	Manitoba Turkey Producers	тв	3	1	5	9
26	Paletta & Company Hotels	PCH	3	-	1	4
27	Venture Manitoba Tours Ltd.	VT	3	-	2	5
28	Economic Innovation and Technology Council	MR	-	20	34	54
29	Manitoba Development Corporation	DFP	-	2	7	9
30	Manitoba Hazardous Waste	HVV	-	-	3	3
3 I	Manitoba Water Services Board	ws	-	2	12	14
32	Human Resources and Employment Centres	R's/HE	-	6	14	20
33	Manitoba Beef Commission	BC	-	-	1	1
34	Local Government Districts	LG	-	-	2	2
35	Manitoba Mineral Resources Limited	MM	-	-	ı	I .
36	Manay Ruschasa Plan Appuity	DS MBB	-	3	2	5
37 38	Money Purchase Plan Annuity No Billing (Charged to Fund)	MPP NB	-	- 4	146 -	146 4
 	THE DAILING (CHAIRED TO FUND)	IAD				
			3,093	216	761	4,070
31-0	Dec-10 Total Membership		29,956	2,901	16,686	49,543
	Dec-10 Total Membership Dec-09 Total Membership		29,956 29,353	2,901	16,686	49,543

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12. Data Checks (Source: Staff of the Civil Service Superannuation Board)

Active Participants: An electronic file which provided information for each active participant as at December 31, 2010. Details of the information provided included: employer code, social insurance number, employee number, sex, date of birth, date of entry into the Fund, annualized salary at December 31, 2010, salary rate at December 31, 2010, the proportion of 2010 worked, qualifying service, required employee contributions and total interest on these contributions accumulated to the valuation date. Any reductions in pension as a result of marriage break-up cases, which have been processed, were also provided. We had available copies of prior Actuarial Reports on the financial position of the Fund.

The file was checked for missing information. This check revealed that there were a few records that, for various reasons, such as approved leaves of absence, did not contain salary information for 2010. Average salary information for the remaining group was used to complete these records.

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Pensions in Payment: An electronic file which provided information for each pensioner as at December 31, 2010. Details of the information provided included: employer code, name, social insurance number, sex, date of birth, date of commencement of pension, type of pension, and amount of monthly pension. For each pensioner, the portion of the pension charged to the Fund, now and in the future, was also provided. Similar information was provided for each beneficiary or potential beneficiary.

The pensioner information was provided in 51,296 separate records (trailers) in respect of the 16,686 pensions in payment, which gave details on the pension payable from various sources.

Billing		Basic Pe	ension	Inde	Indexing			
Туре	Number	Fund	Employer	Employer	Account			
Α	71	\$ -	\$ 1,620.36	\$ 2,246.07	\$ -			
В	35,849	12,050,604.32	9,616,230.41	1,454,183.11	1,513,340.34			
С	2,747	(58,220.62)	(55,719.70)	-	-			
D	3	98.79	-	-	-			
E	35	-	253.41	-	-			
F	2,244	36,041.67	25,020.45	1,088.04	1,285.19			
1	668	63,183.38	23,150.34	-	-			
J	2,275	44,080.15	18,502.85	3,786.84	6,712.88			
K	37	-	112,966.39	4,236.68	-			
L	842	486.34	138,226.57	-	-			
М	21	-	797.02	26.11	-			
Ν	364	-	138,218.42	7,214.98	-			
0	4,575	(143,565.74)	(140,104.69)	-	-			
Р	1,409	26,347.24	10,453.91	3,914.46	6,394.32			
Q	2	-	1.85	0.44	-			
U	26	16,440.37	16,000.89	-	-			
W	98	-	292.79	444.08	-			
×	25	-	13,969.64	1,286.47	-			
Y	5	-	1,218.64	-	-			
	51,296	\$12,035,495.90	\$9,921,099.55	\$1,478,427.28	\$1,527,732.73			

- The General Manager's and Chief Investment Officer's Reports for 2010. This Report included detailed lists of investments held and financial statements of the Fund, including balance sheets, and income and expenditure statements.
- The Annual Report of the Superannuation Board for 2010.
- A copy of the CSSA, with amendments, to December 31, 2010. The 2007 surplus transfer to the Indexing Account has now occurred at the time of this Report.
- An electronic file containing the billing percentages to be used to allocate payments and liabilities amongst the participating employers pursuant to subsection 22(11) of the Act.

DATA CERTIFICATE

with respect to

The Civil Service Superannuation Fund

forming part of

The Actuarial Valuation Report as at December 31, 2010

I hereby certify that, to the best of my knowledge and belief, the data on which the valuation is based is a complete and accurate representation of all persons at the valuation date who are entitled to benefits or will become entitled to benefits under the terms of the Civil Service Superannuation Act (Act). It is appropriate to value the benefits of these persons in accordance with the provisions of the Act at the valuation date.

Signed

Director-Client Services

October 3, 201

Date

APPENDIX II

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MB Registration No. 345827

Summary of the Plan

The calculations in this Report are based on the Civil Service Superannuation Act (Act) as amended to the valuation date. The Civil Service Superannuation Board (Board) is responsible for administering the Act. The Fund is a contributory defined benefit final pay pension plan that covers eligible employees of the Province of Manitoba and its participating Agencies. The following is a brief summary of the benefits as they existed at the valuation date. For a more complete description of the benefits, reference should be made to the Act.

I. Effective Date:

The Board and Fund were established under the Act in May, 1939.

2. Recent Changes:

A contribution rate change to the Plan to increase the rates by approximately 2.00% of salary (matched by employers) is expected to be graded into the Fund in the next 4 years.

Effective May 31, 2010, the Manitoba Pension Benefits Act was amended to provide immediate vesting (previously 2 years of service required) which has been reflected in this Valuation. Other changes dealing with the payment of commuted values, interest credits, marriage breakups, etc. are not expected to have a material cost to the Plan.

Effective January 1, 2001, the employee contribution rate will be 6.0% of pensionable earnings up to Canada Pension Plan (CPP) maximum pensionable earnings and 7.0% of pensionable earnings above the CPP maximum each year. On pensionable earnings up to the CPP maximum, the matching employer contribution rate remains the same at 5.1%.

Effective September I, 2000, the Act was amended to provide benefit improvements. The most significant benefit improvement was to amend the pension formula to increase the pension benefits payable effective September I, 2000 from I.4% to I.6% of average earnings below the average CPP maximum. There were also changes to buy back provisions respecting pensionable service as well as to other administrative matters. The cost of these benefit improvements will be funded by the Fund and by an increase in employee contribution rates.

Employer Billings: Effective January I, 1998, pursuant to subsection 22(11) of the Act, employer funding for employees of more than one non-matching Agency shall be on a pro-rata basis in accordance with the portion of the amount paid or transferred to the employee in respect of which no employer matching contributions were made effective for events on or after January I, 1998.

Correctional Officers Rule of 75: Effective November 19, 1996, employees who are members of the Province of Manitoba's Corrections Component are required to contribute an additional 1.00% of pensionable earnings. These additional contributions, which are credited to the Correctional Officers' Trust Account, are intended to fund the additional pension benefits for eligible employees who may retire as early as age 50 with no reduction for early retirement providing age and qualifying service are equal to a total of 75 or greater.

3. Eligibility:

Each full-time employee of the Province of Manitoba or an Agency immediately begins to participate in the Fund.

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Each part-time, temporary or term employee must become a participant upon completing 2 consecutive years of employment in which salary exceeds 25% of the Year's Maximum Pensionable Earnings as defined in the Interpretation Section of the Canada Pension Plan. Any such employee has the option to participate in the Fund any time after employment commences.

4. Contributions:

The Fund is financed by contributions required to be made by employees who are participants in the Fund and by participating employers.

A contribution rate change to the Plan to increase the rates by approximately 2.00% of salary (matched by employers) is expected to be graded into the Fund in the next 4 years.

At December 31, 2010, the rates of required contributions for employees who are participants in the Fund were as follows:

		Matching
	Employees	Employers
On CPP portion of salary	6.00%	5.10%
On portion of salary in excess of CPP earnings	7.00%	7.00%

In accordance with the Act, 10.2% of the contributions are allocated to the Indexing Account.

Some of the participating employers are "matching" the contributions made by their employees. The remaining employers are financing their portion of benefits on a pay-as-you-go basis. Correctional Officers are required to contribute an additional 1.00% of salary.

5. Pension Formula:

The lifetime pension formula equals:

- 2.00% of a member's best 5-year average pensionable earnings multiplied by pensionable service, minus
- .4% of the average Canada Pension Plan's earnings for the same period multiplied by pensionable service since January 1, 1966.

The lifetime pension is subject to an overall maximum of 70% of the average earnings plus the pension which can be provided by the .2% benefit improvement which was effective September I, 2000. Some pensions for members retiring prior to age 60 are subject to an early retirement reduction.

6. Retirement:

A participant receives an unreduced pension if such a participant retires on the last day of the calendar year in which the member attains age 71; on or after age 65 with one year of qualifying service; on or after age 60 with 10 years of qualifying service; or on or after age 55 if age plus qualifying service is equal to 80.

A participant is eligible to receive a reduced pension if such a participant retires on or after age 55 having completed 10 years of qualifying service. The 10-year service requirement has been eliminated after May 31, 2010.

Eligible members of the Province of Manitoba's Corrections Component may retire as early as age 50 if their age plus qualifying service total 75 or more.

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The pension is paid for as long as a retired participant lives. If the participant dies before the total of the pension payments is at least equal to the participant's contributions with interest, the excess amount of these contributions over the pension payments made is paid to the participant's beneficiary or estate, whichever is applicable.

If the participant has a spouse at the date of retirement, a joint annuity is payable during the lives of the participant and the spouse. This annuity is reduced by one-third on the death of the participant. This annuity is reduced so that it is actuarially equivalent in value to the pension that would otherwise be payable. This form of payment is also guaranteed so that the total payments are at least equal to the participant's contributions with interest.

This form of payment can be waived if the spouse signs the appropriate waiver form.

7. Termination:

Pension entitlements are protected (vested) for participants immediately (previously 2 or more years of qualifying service required). These entitlements are portable and may be transferred to another pension plan or to a suitable locked-in vehicle. Calculation of a commuted value of pension in respect of service is performed at the time of termination, death, or retirement. A test is made to ensure that the participant's required contributions plus interest (less 10.2% allocated to the Indexing Account) provide no more than 50% of the benefit in respect of eligible service. This test may cause an additional benefit to be paid for such eligible service.

Where all or a portion of a participant's pension entitlements are not protected, the terminating participant may elect a cash settlement equal to the contributions with interest in respect of that portion.

8. Disability:

A participant who has 10 or more years of qualifying service, has not reached age 60 and suffers from a disability may apply for a disability allowance.

If the disability is total and permanent, the participant qualifies immediately for an allowance calculated as a normal retirement pension.

Average annual salaries are determined at the date of disablement.

9. Death:

If a participant dies prior to retirement and has not 10 completed years of qualifying service, the death benefits are equal to the commuted value of the participant's accrued pension. This amount may be paid as an annuity if there is a surviving spouse.

If a participant dies prior to retirement and has completed 10 years of qualifying service, the participant's spouse receives an annuity equal to 60% of the participant's accrued pension. The value of the spouse's annuity must be at least equal to the commuted value of the participant's accrued pension.

If a participant dies prior to retirement and has completed 10 years of qualifying service but there is no surviving spouse, the death benefit is equal to the participant's contributions with interest. The value of the death benefit must be at least equal to the commuted value of the participant's accrued pension.

If there is no spouse, the commuted value benefit will be paid to the estate. If the participant dies prior to retirement and does not have a spouse, the death benefit is at least the commuted value of the participant's accrued pension.

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10. Indexing:

Post-retirement: Increases to pensions in payment of up to 2/3 of the change in the Consumer Price Index (CPI) are granted if there is a sufficient amount available in the Indexing Account and there is an increase in the cost of living. A separate report has been prepared on the Indexing Account. Such amounts are not charged to the basic part of the Fund.

Pre-retirement: Increases to deferred annuities of up to 2/3 of the change in CPI are prefunded on the Valuation Balance Sheet between the date of termination and date of pension commencement. Such amounts are charged to the basic part of the Fund.

11. Valuation Process:

For each event and resulting benefit in the actuarial valuation, we examine the eligibility criteria, benefit amount and maturity value in order to determine the value of that benefit. A description of these items follows:

- Eligibility benefits usually depend on some combination of attained age and years of qualifying service recognized in the Act.
- Benefit Amount cash settlements usually equal the participant's required contributions with interest. Pensions are based on the number of years of pensionable service and the average of the best 5 years' pensionable earnings.
- Maturity Value a lump-sum cash settlement and/or a pension. If the benefit is a pension, the normal form of payout is life refunding if single. If married, the normal form of payout is joint-life, reducing to 2/3 on the participant's death (actuarially equivalent to life refunding). Other optional forms of payout are available with different death benefits.

Vested and locked-in pensions can be commuted and transferred to a suitable locked-in vehicle.

APPENDIX III

Actuarial Assumptions

A. Going Concern

	Actuarial Assumptions and Methods	2010 Going Concern	2009 Going Concern	
1.	Actuarial Cost Method	ABCM with salary projection \$68,468,337 excludes pay-as-you-go	same \$66,854,650 same	
2.	Asset Valuation Method	market value \$59,448,821 write-up	same \$294,814,000 write-up	
3.	 Expenses explicit valuation balance sheet reserve explicit contribution rate allowance implicit assumed rate of return MER 	none none 0.20%	same same same	
4.	Assumed Rate of Return inflation rate real rate total nominal rate	2.00% <u>4.00%</u> 6.00%	2.00% <u>4.00%</u> 6.00%	
5.	Assumed Salary Increase Rate inflation rate real rate service, merit, & promotion (SMP) - average total nominal rate vacation pay allowance (currently 45 days)	2.00% 0.75% <u>1.00%</u> 3.75% 3.45%	2.00% 0.75% <u>1.00%</u> 3.75% same	
6.	Indexing if retired or eligible to retire existing deferreds during deferral period indexing reserve	none 1.33% none	same 1.33% none	
7.	Annual Employee Contributions Interest Credit	4.00%	4.00%	
9.	Annual Rate of Increase in CPP Earnings Maximum Rate of CRA Maximum Pension Increase	2.75% 2011 \$2,552 increased at 2.75% thereafter	2.75% 2010: \$2,494 increased at 2.75% thereafter	
10.	Retirement Rates if retired otherwise	immediate vary by age & sex	same same	
11.	Termination Rates	vary by age & sex	same	
12.	Disability Rates	vary by age & sex	same	
13.	Mortality Rates	UP2020 UP2020 90%(male) / 71%(female) -5/+3 or exact, if available sex distinct	same same same same same	

I. Actuarial Cost Method

The actuarial cost method for the 2010 Valuation continues to be the accrued benefit cost method (ABCM) with salary projection. ABCM anticipates that the current service cost with interest, when added to the opening liabilities, will be sufficient to finance the liabilities at the end of the next year, after reflecting expected retirements, terminations, disablements, and deaths. This method of valuation is used by approximately 90% of defined benefit pension plans in funding their benefit promises. This method is however more sensitive to an aging demographic active population and will result in increasingly higher current service cost as the population ages. The ABCM method is the preferred method used in the accounting profession for reporting financial obligations of pension plans.

A contribution deficiency reserve of \$68,468,337 has been held on the going concern Valuation Balance Sheet to allow for the annual expected contribution deficiency in the next 4 years.

The Fund consists of the accumulation of those contributions and other payments that were made during the period of employment of the present members. This accumulation will be used to finance a portion or all of the benefits which these members have been promised under the Act. The portion of the benefits so financed includes:

- 100% of the pensions and other benefits to be paid to employees for service if employed by an employer who matched the contributions made by employees,
- 50% of the pensions to be paid to those employees who are employed by an employer who is not matching employee contributions,
- 50% of the commuted value of pensions or benefits generated as a result of all service,
- 100% of the value of the excess contributions paid by employees as a result of service on or after January 1, 1985,
- cash settlements paid on termination of service (refunds of employee contributions plus interest),
- cash settlements paid on death before retirement (employee contributions),
- the value of employee contributions transferred under reciprocal agreements,
- a specified portion of each pension currently being paid, excluding that part of the pension which is charged to the Indexing Account, plus
- notwithstanding the above cost sharing, the Fund is responsible for 100% of the .2% benefit formula improvement, which was effective September 1, 2000.

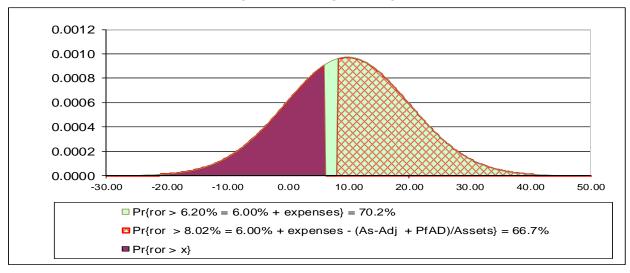
The remainder of the benefits is financed by the Province of Manitoba and its Agencies on a pay-as-you-go-basis (non-matching) or is withdrawn out of amounts set aside in accounts established within the Fund for this purpose. This actuarial valuation relates to the benefits which accrued during employment and the assets and contributions available to finance these benefits. The portion of the benefits to be financed by the Province of Manitoba and its Agencies by payments to the Fund is not considered to be a liability of the Fund.

Pursuant to CSSA subsection 22(1), employer funding for employees of more than one non-matching Agency shall be on a pro rata basis in accordance with the portion of the amount paid or transferred to the employee in respect of which no employer matching contributions were made effective for events on or after January 1, 1998.

2. Asset Valuation Method

	Net								
Calendar	Investment	Rate of	Rate of Return		Gain/ Asset Smo		noothing A	oothing Adjustment	
Year	Income	Net	Assumed		(Loss)	Proportion			Amount
2006	\$ 370,613,000	12.61%	6.50%	\$	179,575,371	0.00%		\$	-
2007	116,153,000	3.54%	6.50%		(97,122,282)	20.00%			(19,424,456)
2008	(586,876,000)	(17.51%)	6.50%		(804,734,024)	40.00%			(321,893,610)
2009	391,761,000	14.79%	6.50%		219,587,471	60.00%			131,752,483
2010	363,016,000	12.42%	6.00%		187,645,952	80.00%			150,116,762
		Calc	ulated Asse	et S	Smoothing A	Adjustment: F	Preliminary	\$	(59,448,821)
	Minimum As	set Smootl	hing Adjust	me	ent (-10.00%	6 of assets): N	M in		(325,931,100)
	Maximum Ass	et Smooth	ing Adjustr	ne	nt (+10.00%	6 of assets): N	Max		325,931,100
						A	As-Adj		(59,448,821)
		Pro	vision for f	utı	ıre Adverse	Deviation: F	PfAD		-
	Fir	nal Asset S	moothing A	٩dj	ustment 31	-Dec-2010: A	\s-Adj+PfAD	\$	(59,448,821)

Estimated Probability of Achieving the Required Asset Return *



50-Year Rate of Return (ror) History *

Year	Rate	Year	Rate	Year	Rate	Year	Rate
1961	25.92	1974	-12.23	1987	7.35	2000	3.25
1962	-3.77	1975	20.81	1988	11.96	2001	-5.24
1963	14.72	1976	12.25	1989	16.73	2002	-6.42
1964	15.95	1977	11.75	1990	-6.6 I	2003	13.34
1965	7.19	1978	20.35	1991	15.97	2004	9.79
1966	-5.03	1979	15.78	1992	4.69	2005	12.56
1967	14.63	1980	21.74	1993	22.91	2006	14.78
1968	11.80	1981	-0.88	1994	1.81	2007	2.63
1969	-3.17	1982	16.77	1995	17.55	2008	-13.32
1970	2.10	1983	20.89	1996	15.86	2009	11.31
1971	13.24	1984	9.48	1997	16.19	2010	9.55
1972	19.96	1985	32.81	1998	16.35		
1973	-0.99	1986	24.64	1999	14.26		

*SIPP Asset Mix Assumed to be Invested in Historical Indices

3. Expenses

Valuation Balance Sheet Reserve

No explicit expense reserve has been held on the going concern Valuation Balance Sheet, but \$16,297,000 has been held in the Solvency Test.

Contribution Rate Allowance

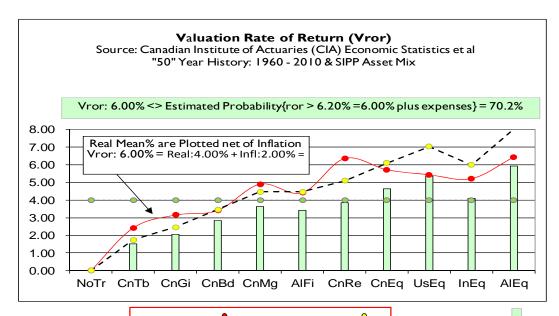
No explicit expense allowance has been made in the development of the normal actuarial cost of basic benefits.

Assumed Rate of Return MER

An implicit management expense rate (MER) has been held in the development of the nominal assumed rate of return found as shown below and on the following page.

	Assets Under						
2010 Expense	Amount	Management	MER				
Investment	\$3,743,000	\$ 3,259,311,000	0.115%				
Administration	1,461,000	3,259,311,000	0.045%				
Provision for future A	0.040%						
Total			0.200%				

4. Assumed Rate of Return



				•		0			
		Long-Term	50-Year	50-Year	Active	Best	Investmer	it	Valuation
		SIPP	Historical	Historical	Management	Estimate	&		Vror
	Asset	Asset	Real	Real	Rebalancing	Real	Operating		Real
	Class	Mix%	StDev%	Mean%	&Currency%	Mean%	Fees%	PfAD%	Mean%
	NoTr	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	CnTb	1.00	2.88	2.42	-0.68	1.74	-0.03	-0.18	1.53
2	CnGi	-	5.42	3.15	-0.69	2.46	-0.06	-0.35	2.05
3	CnBd	29.00	8.32	3.41	0.05	3.46	-0.10	-0.53	2.83
4	CnMg	-	5.89	4.90	-0.44	4.46	-0.13	-0.7 I	3.62
5	AlFi	-	11.07	4.41	0.05	4.46	-0.16	-0.88	3.42
6	CnRe	10.00	9.02	6.35	-1.25	5.10	-0.19	-1.06	3.85
7	CnEq	24.00	16.36	5.71	0.39	6.10	-0.23	-1.24	4.63
8	UsEq	15.00	17.01	5.43	1.60	7.03	-0.26	-1.41	5.36
9	InEq	21.00	20.12	5.21	0.78	5.99	-0.29	-1.59	4.11
Ι0	AlEq	-	21.81	6.43	1.60	8.03	-0.32	-1.77	5.94
	Real	100.00	10.32	5.46	-0.15	5.31	-0.20	-1.11	4.00
	Rounding et al			0.23	-0.23	0.00			
	Infl		3.21	4.11	-2.11	2.00	0.00	0.00	2.00
	Vror		10.24	9.80	-2.49	7.3 I	-0.20	-1.11	6.00
			•		0				

NoTr Not Traded

	I Cn Ib	Cash	V122541 91-day T-Bills: 1934-2010	CIA-T I B
	2 CnGi	Guaranteed Investment	SVI22526: 5-year GICs: 1965-2010 & VI22485: 1960-1964	CIA-T3C&T4C
	3 CnBd	Canadian Bonds	V122558 (5%)&V122485 (15%)&V122486 (35%)&V122487 (45%): 1952-2010	CIA-T4C
	4 CnMg	Canadian Mortgages	V122497 5-year conventional mortgages: 1952-2010	CIA-T3C
	5 AlFi	Alternative Fixed Incom	CnBd: 1952-2010 adjusted to increase mean 1.00% last 50 years	CIA-T4C
	6 CnRe	Real Estate	ICREIM/IPD: 1973-2010 & S&PTSX:1960-1972 less 1.00%	CIA-T I B&T7
	7 CnEq	Canadian Equity	S&PTSX: 1924-2010	CIA-T I B
	8 UsEq	United States Equity	S&P500(C\$): 1938-2010	CIA-T I B
	9 InEq	International Equity	EAFE:1970-2010 & S&P500(C\$):1960-1969	CIA-T I B&EAFE
I	0 AlEq	Alternative Equity	UsEq: 1952-2010 adjusted to increase mean 1.00% last 50 years	CIA-T I B

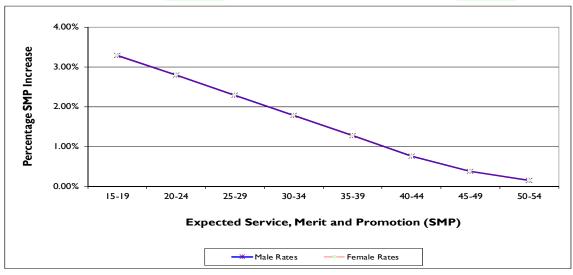
5. Assumed Salary Increase Rate

The 2010 general salary increase rate (SINR = inflation plus productivity) has been continued at 2.75% per year as noted below and the service merit and promotional rates (SMP) are also continued for the 2010 Report. The expected SINR exceeds the recent actual SINR and as a result provides a reasonable best estimate of Plan experience plus a possible provision for future adverse deviation (PfAD). In addition, SMP rates start at age 16, are unisex, and reach 0.00% at age 55.

Salary Increase Rate	2009	50-Year	25-Year	2010
Components	Report	Average	Average	Report
Inflation (source CIA Economic Statistics)	2.00%	4.11%	2.45%	2.00%
Productivity (source CIA Economic Statistics)	0.75%	1.02%	0.35%	0.75%
General Salary Increase Rate (SINR)	2.75%	5.13%	2.80%	2.75%
SMP (varies by age as shown in chart below)	1.00%	1.00%	1.00%	1.00%
Total salary increase rate *	3.75%	6.13%	3.80%	3.75%

*To allow for the fact that up to 50 days vacation pay may be used to enhance the best 5 years of salary used in the pension calculation, we have increased liabilities by 3.45% (3.45% in 2009) which is based on 45 days (45 days in 2009) of vacation being applied (3.45% = 45/261 * 1/5). In future, it may be necessary to increase this allowance.

		Males					Females		
	Active	Average	Average	Expected		Active	Average	Average	Expected
Age	Employees	Service	Salary	SMP Rates	Age	Employees	Service	Salary	SMP Rates
15-19	10	0.46	36,100	3.29%	15-19	8	0.39	30,424	3.29%
20-24	598	1.50	40,028	2.79%	20-24	395	1.32	37,286	2.79%
25-29	1,233	3.00	47,955	2.29%	25-29	1,149	2.44	45,113	2.29%
30-34	1,563	4.75	54,406	1.78%	30-34	1,578	3.91	50,882	1.78%
35-39	1,711	6.67	58,999	1.28%	35-39	1,658	5.73	54,983	1.28%
40-44	1,964	10.00	63,101	0.76%	40-44	1,923	8.49	56,282	0.76%
45-49	2,356	14.33	64,114	0.38%	45-49	2,544	12.96	57,103	0.38%
50-54	2,516	18.03	65,326	0.15%	50-54	2,609	16.52	57,102	0.15%
55-59	2,008	20.37	65,944	0.00%	55-59	1,925	16.98	57,455	0.00%
60-64	1,012	19.09	66,575	0.00%	60-64	789	15.96	56,059	0.00%
>=65	249	18.83	73,731	0.00%	>=65	158	11.60	53,181	0.00%
31-Dec-10	15,220	12.29	60,900	•	31-Dec-10	14,736	10.76	54,559	•
31-Dec-09	14,980	12.35	60,75 I	ı	31-Dec-09	14,373	10.65	54,388	ı
2010	Actual SINR		0.25%		2010	Actual SINR		0.31%	
2011	Expected SIN	NR +1.00%	3.75%		2011	Expected SIN	NR +1.00%	3.75%	



6. Indexing

If retired or eligible to retire

No allowance for post-retirement indexing in this Valuation of the basic benefits. Separately, a report is prepared on the Indexing Account and separate reports for each of the pay-as-you-go employers which allows for some post-retirement indexing.

Existing deferred pensions during deferral period.

For the 2010 Report, the existing terminated employees who have elected a deferred pension in the Fund continue to have indexation of their otherwise static pension by 2/3rds of the increase in inflation, equal to 1.33% for this Valuation.

7. Annual Employee Contributions Interest Credit

The annual employee contribution interest credit is equal to 4.00% for the 2010 Report. This rate is based on 5-year personal fixed term deposits (CANSIM V122515, effective May 31, 2010) and generally assumed to be 2.00% lower than the nominal assumed rate of return, currently equal to 6.00%.

8. Annual Rate of Increase in CPP Earnings Maximum

The annual rate of increase in the CPP Earnings Maximum is equal to 2.75% for the 2010 Report. The rate continues to be based on the general salary increase rates (SINR = inflation plus productivity) found in this Report.

9. Rate of CRA Maximum Pension Increase

The rate of increase in the CRA Maximum Pension is equal to 2.75% for the 2010 Report. The rate continues to be based on the general salary increase rates (SINR = inflation plus productivity) found in this Report, after the stipulated rate for 2011 encoded in the Income Tax Act, has occurred.

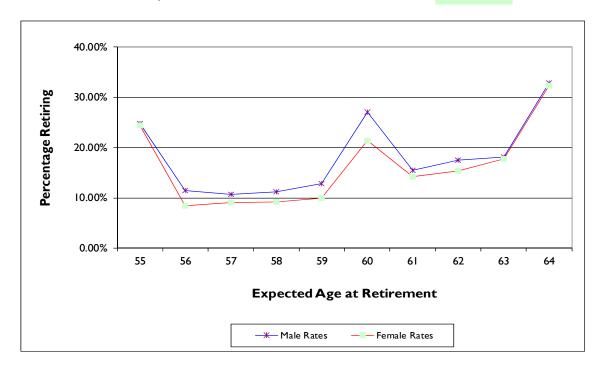
10. Retirement Rates

The 2009 retirement rates are continued for the 2010 Report. The expected retirements exceed the recent actual retirements and as a result, they may provide a reasonable best estimate of Plan experience plus a provision for future adverse deviation (PfAD). There is some concern that the number of retirements may increase substantially in the next 3 years. Rates start at age 55, vary by sex, and reach 100.00% at age 65.

Males				
	Participants	Expected	Expected	
Age	Exposed	Retirements	Rates	
15-49	10,050	-	0.00%	
50-54	2,866	-	0.00%	
55	531	132.01	24.86%	
56	486	55.94	11.51%	
57	424	45.33	10.69%	
58	399	44.57	11.17%	
59	372	47.62	12.80%	
60	306	82.93	27.10%	
61	251	38.96	15.52%	
62	214	37.45	17.50%	
63	185	33.50	18.11%	
64	159	52.20	32.83%	
>=65	270	270.00	100.00%	
	16,513	840.51		

l			Females	
		Participants	Expected	Expected
	Age	Exposed	Retirements	Rates
	15-49	9,996	-	0.00%
	50-54	3,058	-	0.00%
	55	562	137.63	24.49%
	56	488	41.04	8.41%
	57	439	40.04	9.12%
	58	396	36.43	9.20%
	59	320	31.78	9.93%
	60	261	55.98	21.45%
	61	223	31.71	14.22%
	62	151	23.21	15.37%
	63	132	23.39	17.72%
	64	136	43.96	32.32%
	>=65	182	180.00	98.90%
		16,344	645.17	

2008	Actual Male & Female Retirements	906
2009	Actual Male & Female Retirements	841
2010	Actual Male & Female Retirements	907
2011	Expected Male & Female Retirements	1,485.68



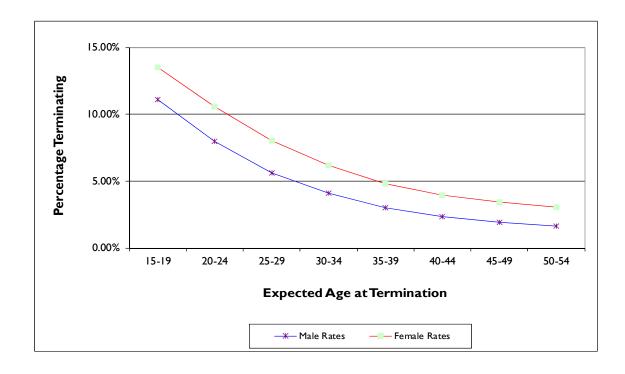
11. Termination Rates

The 2009 termination rates are continued for the 2010 Report. The expected terminations are less than recent actual terminations, which in turn mean that more participants are assumed to continue in the work force and eventually retire, and as a result, they provide a reasonable best estimate of Plan experience plus a provision for future adverse deviation (PfAD). Rates start at age 16, vary by sex, and reach 0.00% at age 55.

		Males	
	Participants	Expected	Expected
Age	Exposed	Terminations	Rates
15-19	10	1.11	11.10%
20-24	606	48.24	7.96%
25-29	1,266	70.80	5.59%
30-34	1,622	66.15	4.08%
35-39	1,809	54.30	3.00%
40-44	2,136	50.16	2.35%
45-49	2,601	49.37	1.90%
50-54	2,866	46.46	1.62%
55-59	2,212	-	0.00%
60-64	1,115	-	0.00%
>=65	270	-	0.00%
	16,513	386.59	

Females				
	Participants	Expected	Expected	
Age	Exposed	Terminations	Rates	
15-19	8	1.08	13.50%	
20-24	400	42.23	10.56%	
25-29	1,170	94.07	8.04%	
30-34	1,650	101.69	6.16%	
35-39	1,768	85.30	4.82%	
40-44	2,103	83.30	3.96%	
45-49	2,897	100.04	3.45%	
50-54	3,058	93.65	3.06%	
55-59	2,205	-	0.00%	
60-64	903	-	0.00%	
>=65	182	-	0.00%	
	16,344	601.36		

2008	Actual Male & Female Terminations	1,408
2009	Actual Male & Female Terminations	1,243
2010	Actual Male & Female Terminations	1,222
2011	Expected Male & Female Terminations	987.95



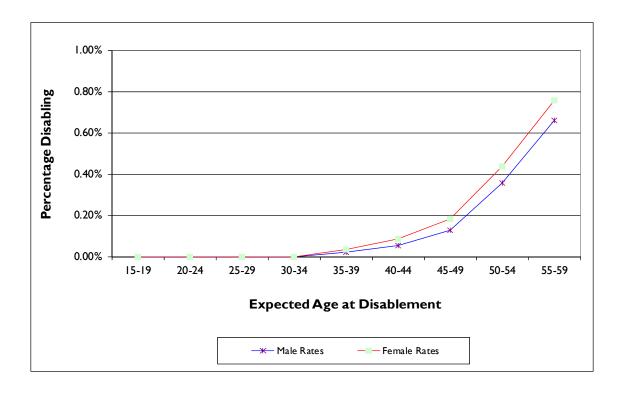
12. Disability Rates

The 2009 disability rates are continued for the 2010 Report. The expected disablements are close to the recent actual disablements, and as a result, they provide a reasonable best estimate of Plan experience. Rates start at age 35, vary by sex, and reach 0.00% at age 60.

		Males	
	Participants	Expected	Expected
Age	Exposed	Disablements	Rates
15-19	10	-	0.00%
20-24	606	-	0.00%
25-29	1,266	-	0.00%
30-34	1,622	-	0.00%
35-39	1,809	0.40	0.02%
40-44	2,136	1.13	0.05%
45-49	2,601	3.35	0.13%
50-54	2,866	10.24	0.36%
55-59	2,212	14.62	0.66%
60-64	1,115	-	0.00%
>=65	270	-	0.00%
	16,513	29.74	

		Females	
	Participants	Expected	Expected
Age	Exposed	Disablements	Rates
15-19	8	-	0.00%
20-24	400	-	0.00%
25-29	1,170	-	0.00%
30-34	1,650	-	0.00%
35-39	1,768	0.60	0.03%
40-44	2,103	1.80	0.09%
45-49	2,897	5.28	0.18%
50-54	3,058	13.41	0.44%
55-59	2,205	16.66	0.76%
60-64	903	-	0.00%
>=65	182	-	0.00%
	16,344	37.75	

2008	Actual Male & Female Disablements	53
2009	Actual Male & Female Disablements	72
2010	Actual Male & Female Disablements	61
2011	Expected Male & Female Disablements	67.49



13. Death Rates - Pre-Retirement

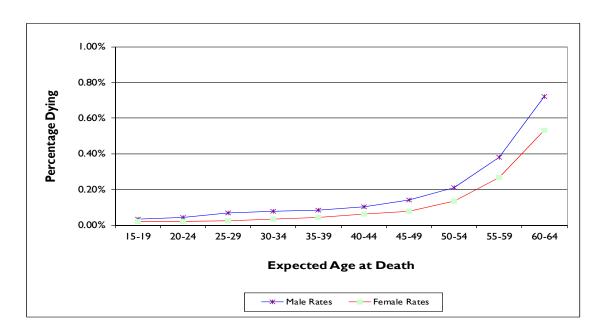
The 2010 pre-retirement death rates (UP2020) have been continued for the 2010 Report. The expected death rates are closer to the recent actual pre-retirement deaths, and as a result, they provide a reasonable best estimate of Plan experience. Rates start at age 16, vary by sex, and reach 0.00% at age 65. We note that lump-sum commuted value payouts are prescribed also on the basis of the UP2020 mortality table at the valuation date.

Spousal status was assumed where required in calculating pre-retirement death benefits, generally 90% males and 71% females assumed to have a spouse at the higher ages and lower proportions at the younger ages. Spouse age difference was assumed generally to be minus 5 if a male participant and plus 3 if a female participant. All liabilities were valued on a sex distinct basis.

Males				
Participants		Expected	Expected	
Age	Exposed	Deaths	Rates	
15-19	10	0.00	0.03%	
20-24	606	0.26	0.04%	
25-29	1,266	0.85	0.07%	
30-34	1,622	1.27	0.08%	
35-39	1,809	1.53	0.08%	
40-44	2,136	2.22	0.10%	
45-49	2,601	3.63	0.14%	
50-54	2,866	6.01	0.21%	
55-59	2,212	8.42	0.38%	
60-64	1,115	8.05	0.72%	
>=65	270	3.42	1.27%	
	16,513	35.67		

Females				
Participants		Expected	Expected	
Age	Exposed	Deaths	Rates	
15-19	8	0.00	0.02%	
20-24	400	0.08	0.02%	
25-29	1,170	0.28	0.02%	
30-34	1,650	0.56	0.03%	
35-39	1,768	0.75	0.04%	
40-44	2,103	1.26	0.06%	
45-49	2,897	2.24	0.08%	
50-54	3,058	4.07	0.13%	
55-59	2,205	5.91	0.27%	
60-64	903	4.81	0.53%	
>=65	182	1.77	0.97%	
	16.344	21.73	_	

2008	Actual Male & Female Deaths	53
2009	Actual Male & Female Deaths	51
2010	Actual Male & Female Deaths	47
2011	Expected Male & Female Deaths	57.40 UP2020



14. Death Rates - Post-Retirement

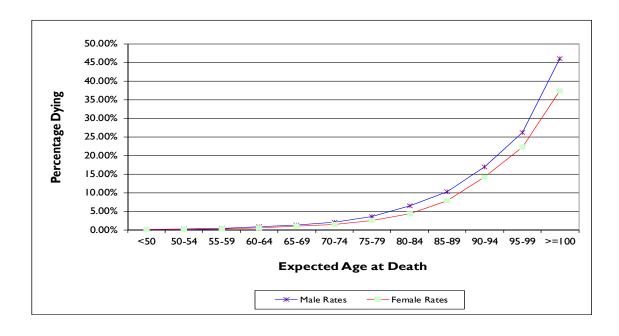
The 2010 post-retirement death rates (UP2020) have been continued for the 2010 Report. The expected death rates are lower than the recent actual post-retirement deaths, and as a result, they provide a reasonable best estimate of Plan experience plus a provision for future adverse deviation (PfAD). Rates start at age 16, vary by sex, and reach 100.00% at age 115. We note that lump-sum commuted value payouts are prescribed on the basis of the UP2020 mortality table at the valuation date.

Exact spousal status and spouse age was used for those pension options that were joint or for survivor pensions in payment. All liabilities were valued on a sex distinct basis.

Males (excludes Survivors)				
Pensioners Expected		Expected	Expected	
Age	Exposed	Deaths	Rates	
<50	15	0.01	0.07%	
50-54	39	0.08	0.21%	
55-59	847	3.59	0.42%	
60-64	1,937	15.05	0.78%	
65-69	1,802	24.30	1.35%	
70-74	1,446	29.94	2.07%	
75-79	1,036	36.41	3.51%	
80-84	744	47.77	6.42%	
85-89	420	43.22	10.29%	
90-94	153	25.96	16.97%	
95-99	23	6.02	26.17%	
>=100	1	0.33	46.00%	
	8,463	232.68		

Females (excludes Survivors)				
Pensioners		Expected	Expected	
Age	Exposed	Deaths	Rates	
<50	28	0.01	0.04%	
50-54	53	0.07	0.13%	
55-59	785	2.33	0.30%	
60-64	1,391	7.87	0.57%	
65-69	1,112	11.17	1.00%	
70-74	823	12.33	1.50%	
75-79	582	14.80	2.54%	
80-84	371	16.02	4.32%	
85-89	247	19.33	7.83%	
90-94	105	14.84	14.13%	
95-99	21	4.65	22.14%	
>=100	3	1.12	37.33%	
	5,521	104.54		

2008	Actual Male & Female Deaths	380	
2009	Actual Male & Female Deaths	354	
2010	Actual Male & Female Deaths	370	
2011	Expected Male & Female Deaths	337.22	UP2020



B. Solvency Test*

Actuarial Assumptions and Methods		2010 Solvency Test		2009 Solvency Test			
1.	Actuarial Cost Method accrued benefit cost method (ABCM) contribution deficiency contingency funding methodology		ABCM with no salary projection none excludes pay-as-you-go		same same same		
2.	Asset Valuation Method	market value none		same same			
3.	Expenses explicit valuation balance sheet reserve explicit contribution rate allowance implicit assumed rate of return MER	.50	0% of asset none none	cs		same same same	
4.	Assumed Rate of Return ** inflation rate real rate total nominal rate	Annuity Purchases 1.57% 2.91% 4.48%	Cash Set <10 Yrs 1.57% 1.73% 3.30%	2.68% 2.32% 5.00%	Annuity Purchases 1.73% 2.76% 4.49%	Cash Ser <10 Yrs 1.73% 2.17% 3.90%	2.81% 5.40%
5.	Assumed Salary Increase Rate inflation rate real rate service, merit & promotion (SMP) -average total nominal rate vacation pay allowance (currently 45 days)	none none none none 3.45%		same same same same same			
6.	Indexing if retired or eligible to retire existing deferreds during deferral period indexing reserve		none none none			same same same	
7.	Annual Employee Contributions Interest Credit	none		same			
8.	Annual Rate of Increase in CPP Earnings Maximum	none		same			
9.	Rate of CRA Maximum Pension Increase		II: \$2,55 at 0.00% th			010: \$2,49 at 0.00% th	
10.	Retirement Age if retired or eligible to retire otherwise	immediate first age possible		same same			
11.	Termination Rates	commuted value		same			
12.	12. Disability Rates		commuted value		same		
13.	 Mortality Rates pre-retirement post-retirement spousal proportion (generally) spousal ages 		none UP2020 ct if availab			same same same	
	unisex weightings		unisex if not eligible to retire		same		

^{*} The Plan is exempt from the funding requirements of the solvency test pursuant to Paragraph 4.5(2)(b) of the Regulations to the Manitoba Pension Benefits Act. However, it is a requirement of the Canadian Institute of Actuaries to report the wind-up position.

^{**} For the non-retired participants the solvency calculations in 2010 were simplified by using an average flat rate of 4.15% which is a blend of the 3.30% for 10 years, 5.00% thereafter and the 4.48% annuity purchase rate for those eligible to retire. Similar simplification was used in 2009.

Development of the Solvency Test Rate of Return

If Retired or Eligible to Retire (Purchase of Annuities)

The solvency discount rate for annuities is based on the studies made by the Canadian Institute of Actuaries. The most recent study has found that the appropriate annuity interest rate to be used in performing solvency Valuations with effective dates as at December 31, 2010 is determined by the following table at the Valuation date in conjunction with the mortality table UP2020.

Annuity Pu	rchases	Interest Rate
\$	0	4.48%
>= \$ 15,0	000,000	4.48%

Otherwise (Cash Settlements)

The discount rates for cash settlements in the solvency Valuation are based on the same rates that are used for the commuted value calculations including the 2-month lag as required by the Canadian Institute of Actuaries (CIA) standards. Effective for events commencing in April, 2009, the Canadian Institute of Actuaries (CIA) standards utilize the 1994 Uninsured Pensioner Mortality Table (UP1994) projected for mortality improvement to 2020 (UP2020), and the dual interest rates, one applicable to the first 10 years and the other applicable thereafter. These rates are based on the following CANSIM series and formulas:

CANSIM V122542 OCTOBER, 2010 RATE (i₇) = 2.38% (semi annual)

CANSIM V122544 OCTOBER, 2010 RATE (i_L) = 3.50% (semi annual)

First 10 Years: $= i_7 + 0.90\%$ = 3.28%

After 10 Years: = $i_L + 0.50 * (i_L - i_7) + 0.90\%$ = 4.96%

The final rates reflect the required annualization and rounding to the nearest 0.10%. As a result, the rates that have been used for cash settlements are equal to 3.30% for the first 10 years and 5.00% thereafter. For the non-retired participants the solvency calculations in 2010 were simplified by using an average flat rate of 4.15% which is a blend of the 3.30% for 10 years, 5.00% thereafter and the 4.48% annuity purchase rate for those eligible to retire. Similar simplification was used in 2009.

