Comparative figures: OTPP (DRAFT)
Ending 2016

		Current				Proposed									
						1. Contribution Receivable (without adjusting MRVA)		2. contribution differences		3. Cumulative transfers		4. Other agencies		5. EROA/MRVA adjustment for contribution receivable	
Province's % of assets, obligations		100%	100%	50%	50%	50%	50%	50%	50%	50%	50%	49%	49%	49%	49%
($ in millions)	**2014**	**2015**	**2016**	**2015**	**2016**	**2015**	**2016**	**2015**	**2016**	**2015**	**2016**	**2015**	**2016**	**2015**	**2016**
Reconciliation - Obligation															
BOY DBO		113,801	116,367	56,901	58,184	56,901	58,184	56,901	58,184	56,901	58,184	55,762	57,020	55,762	57,020
Interest accrued on benefits		7,310	7,277	3,655	3,639	3,655	3,639	3,655	3,639	3,655	3,639	3,582	3,566	3,582	3,566
Total current period benefit cost (service accrual)		2,902	2,933	1,451	1,467	1,451	1,467	1,451	1,467	1,451	1,467	1,422	1,437	1,422	1,437
Transfers, including buy-backs (ER and EE)		14	13	7	7	7	7	7	7	7	7	7	6	7	6
Less: Benefits paid		(5,536)	(5,725)	(2,768)	(2,863)	(2,768)	(2,863)	(2,768)	(2,863)	(2,768)	(2,863)	(2,713)	(2,805)	(2,713)	(2,805)
Experience loss/(gain)		(2,741)	(731)	(1,371)	(366)	(1,371)	(366)	(1,371)	(366)	(1,371)	(366)	(1,343)	(358)	(1,343)	(358)
Change in assumptions (basis)		617	3,638	309	1,819	309	1,819	309	1,819	309	1,819	302	1,783	302	1,783
EOY DBO		116,367	123,772	58,184	61,886	58,184	61,886	58,184	61,886	58,184	61,886	57,020	60,648	57,020	60,648
Reconciliation of Assets - MVA (based on actuary's letter)															
BOY MVA		154,476	171,440	77,238	85,720	77,238	85,721	77,238	85,721	77,238	85,721	75,693	84,006	75,693	84,006
Contributions - EE (in respect of CY accrual)		1,615	1,653	808	827	808	827	808	827	808	827	791	810	791	810
Contributions (ON) - est. receivable from PY (in respect of PY accrual)	(1,504)	(1,571)	(1,610)	(786)	(805)	(786)	(805)	(786)	(805)	(786)	(805)	(770)	(789)	(770)	(789)
Contributions (ON) - actual cash during fiscal year (in respect of PY accrual)	1,525	1,597	1,634	799	817	799	817	799	817	799	817	783	801	783	801
Contributions (ON) - est. receivable in next fiscal year (in respect of CY accrual)	*1,571*	*1,610*	*1,638*	805	819	805	819	805	819	805	819	789	803	789	803
Contributions (ON) - (special payments for foregone CPI)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Contributions (other ER) - CSC		33	34	17	17	17	17	17	17	17	17	16	17	16	17
Transfers		14	13	7	7	7	7	7	7	7	7	7	6	7	6
Benefit paid		(5,536)	(5,725)	(2,768)	(2,863)	(2,768)	(2,863)	(2,768)	(2,863)	(2,768)	(2,863)	(2,713)	(2,805)	(2,713)	(2,805)
Expected return on assets		9,929	10,603	4,965	5,302	4,965	5,302	4,965	5,302	4,965	5,302	4,865	5,195	4,833	5,165
Actuarial asset gain/(loss) for MRVA smoothing		9,272	(4,120)	4,636	(2,060)	4,636	(2,060)	4,636	(2,060)	4,636	(2,060)	4,543	(2,019)	4,575	(1,988)
End of year, Market value of assets		171,440	175,561	85,721	87,781	85,721	87,782	85,721	87,782	85,721	87,782	84,006	86,025	84,006	86,025
Reconciliation of Assets - MRVA															
BOY, MRVA		143,076	156,998	71,538	78,499	71,538	78,499	71,538	78,499	71,538	78,499	70,107	76,929	70,107	76,929
adjustment for interest on cont. receivable		(37)	(38)	(18)	(19)	(18)	(19)	(18)	(19)	(18)	(19)	(18)	(19)	-	-
Contributions and transfers		3,299	3,363	1,650	1,681	1,650	1,681	1,650	1,681	1,650	1,681	1,617	1,648	1,617	1,648
Expected return on assets (MRVA)		9,227	9,739	4,614	4,869	4,614	4,869	4,614	4,869	4,614	4,869	4,521	4,772	4,521	4,772
Reversed expected return on assets (MRVA) on receivable														(103)	(101)
Benefit paid		(5,536)	(5,725)	(2,768)	(2,863)	(2,768)	(2,863)	(2,768)	(2,863)	(2,768)	(2,863)	(2,713)	(2,805)	(2,713)	(2,805)
Actuarial asset gain/(loss) - to be amortized		6,968	5,459	3,484	2,730	3,484	2,730	3,484	2,730	3,484	2,730	3,415	2,675	3,474	2,713
EOY MVRA		156,998	169,796	78,499	84,898	78,499	84,898	78,499	84,898	78,499	84,898	76,929	83,200	76,904	83,155
						-	-	-	-	-	-				
Pension Expense															
Current service cost		2,902	2,933	1,451	1,467	1,451	1,467	1,451	1,467	1,451	1,467	1,422	1,437	1,422	1,437
Interest - obligation		7,312	7,186	3,656	3,593	3,656	3,593	3,656	3,593	3,656	3,593	3,583	3,521	3,583	3,521
Expected rate of return (MRVA)		(9,227)	(9,739)	(4,614)	(4,869)	(4,614)	(4,869)	(4,614)	(4,869)	(4,614)	(4,869)	(4,521)	(4,772)	(4,418)	(4,671)
Interest - ON contribution receivable		38	37	19	19	19	19	19	19	19	19	19	18	-	-
Amortization - (gains)/loss		(723)	(1,364)	(362)	(682)	(362)	(682)	(362)	(682)	(362)	(682)	(354)	(668)	*(354)*	*(668)*
Amortization - cumulative transfer		(11)	(10)	(6)	(5)	(6)	(5)	(6)	(5)	-	-	-	-	-	-
Amortization - over/under contribution		-	-	(27)	(30)	(27)	(30)	-	-	-	-	-	-	-	-
Expense/(Income)		302	(946)	118	(508)	118	(508)	145	(478)	151	(473)	148	(464)	232	(381)

Comparative figures: OTPP (DRAFT)
Ending 2016

		Current				Proposed									
						1. Contribution Receivable (without adjusting MRVA)		2. contribution differences		3. Cumulative transfers		4. Other agencies		5. EROA/MRVA adjustment for contribution receivable	
Province's % of assets, obligations		100%	100%	50%	50%	50%	50%	50%	50%	50%	50%	49%	49%	49%	49%
($ in millions)	2014	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Pension Liability - Opening (1 April 2015)															
Accrued benefit obligation, opening balance		113,801		56,901		56,901		56,901		56,901		55,762		55,762	
Less: pension fund assets, opening balance		(143,076)		(71,538)		(71,538)		(71,538)		(71,538)		(70,107)		(70,107)	
Pension liability (surplus) - BOY		(29,275)		(14,638)		(14,638)		(14,638)		(14,638)		(14,345)		(14,345)	
Unamortized experience losses (gains)		9,631		4,816		4,816		4,816		4,816		4,719		4,719	
Pension liability (asset) at December BOY		(19,644)		(9,822)		(9,822)		(9,822)		(9,822)		(9,625)		(9,625)	
Adjustment															
Adjustment for interest on OTPP receivable from Province		37		18		18		18		18		18		-	
Adjustment for special payments - foregone CPI		(2)		(1)		(1)		(1)		(1)		(1)		(1)	
Adjustment for different year ends		1,712		856		-		-		-		-		-	
Reversal of ON contribution receivable included in assets						1,610		1,610		1,610		1,610		1,610	
Adjustment for cumulative transfer		51		25		25		25		-		-		-	
Unamortized difference in contributions		-		256		256		-		-		-		-	
Pension liability (asset) at BOY		(17,897)		(8,667)		(7,913)		(8,169)		(8,195)		(7,998)		(8,016)	
Opening balance adjustment						754		(256)		(25)		196		(18)	
Pension Liability - Ending															
Accrued benefit obligation, closing balance		116,367	123,772	58,184	61,886	58,184	61,886	58,184	61,886	58,184	61,886	57,020	60,648	57,020	60,648
Less: pension fund assets, closing balance		(156,998)	(169,796)	(78,499)	(84,898)	(78,499)	(84,898)	(78,499)	(84,898)	(78,499)	(84,898)	(76,929)	(83,200)	(76,904)	(83,155)
Pension deficit/(surplus) - EOY		(40,631)	(46,024)	(20,316)	(23,012)	(20,316)	(23,012)	(20,316)	(23,012)	(20,316)	(23,012)	(19,909)	(22,552)	(19,884)	(22,507)
Unamortized experience losses (gains)		18,003	19,100	9,001	9,550	9,001	9,550	9,001	9,550	9,001	9,550	8,821	9,359	8,880	9,500
Pension liability (asset) at December 31EOY		(22,628)	(26,924)	(11,314)	(13,462)	(11,314)	(13,462)	(11,314)	(13,462)	(11,314)	(13,462)	(11,088)	(13,193)	(11,004)	(13,007)
Adjustment															
Adjustment for interest on OTPP receivable from Province		38	37	19	19	19	19	19	19	19	19	19	18	-	-
Adjustment for special payments - foregone CPI		(3)	(4)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(1)	(2)	(1)	(2)
Adjustment for different year ends		1,751	1,779	876	890	-	-	-	-	-	-	-	-	-	-
Reversal of ON contribution receivable included in assets						1,610	1,638	1,610	1,638	1,610	1,638	1,610	1,638	1,610	1,638
Adjustment for cumulative transfer		40	30	20	15	20	15	20	15	-	-	-	-	-	-
Unamortized difference in contributions		-	-	254	251	254	251	-	-	-	-	-	-	-	-
Pension liability (asset) at Fiscal EOY		(20,803)	(25,082)	(10,147)	(12,290)	(9,413)	(11,542)	(9,667)	(11,793)	(9,687)	(11,807)	(9,461)	(11,539)	(9,395)	(11,371)
Pension Liability - Continuity															
Opening fiscal pension liability -				(8,667)	(10,147)	(8,667)	(9,412)	(8,667)	(9,667)	(8,667)	(9,687)	(8,667)	(9,461)	(8,667)	(9,396)
Opening balance adjustment				-	-	754	-	498	-	473	-	669	-	669	-
Adjusted opening balance liability				(8,667)	(10,147)	(7,913)	(9,412)	(8,169)	(9,667)	(8,195)	(9,687)	(7,998)	(9,461)	(8,016)	(9,396)
Pension expenditure				118	(508)	118	(508)	145	(478)	151	(473)	148	(464)	232	(381)
Less: % of contribution in excess of ON contribution (cash) *						(19)	13	(45)	(13)	(45)	(13)	(12)	21	(13)	40
Less: ON contributions				(1,598)	(1,635)	(1,598)	(1,635)	(1,598)	(1,635)	(1,598)	(1,635)	(1,598)	(1,635)	(1,598)	(1,635)
Ending fiscal pension liability				(10,147)	(12,290)	(9,412)	(11,542)	(9,667)	(11,793)	(9,687)	(11,808)	(9,461)	(11,539)	(9,396)	(11,371)
balance test						0	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Commentary:
1. Adjusted to reflect ON's contribution receivable included in market value of assets
2. Adjustment related to unamortized contribution differences
   - current contribution differences do not reflect contributions by other employers appropriately
3. Adjustment for cumulative transfer
4. Reduce employer's share from 50% to 49% to reflect participating of other employers (consistent with HOOPP)
5. Estimated adjustment to reflect the expected return on contribution receivable included in P&L, corresponding impact to MRVA and gain/loss calculations

* To balance, the contributions should correspond to the contributions included for determining the market related value of assets; the differences also include differences between actual contributions and contribution receivable assumed.