Plan	OTPP	(in $B)	Information
a)	Value of asset - market value used	85,7	*From Excel File*
b)	Value of accounting obligation	58,2	*From Excel File*
c)	Surplus (deficit)	27,5	*a - b*
d)	Unamortized (gains) losses - market value used	-16,2	*From Excel File*
e)	Adjustment for March 31, 2016	-0,9	*From Excel File*
f)	Asset (liability) position	10,4	*c + d + e*
g)	Specific Government adjustment	-0,3	*From Excel File*
h)	Final Asset (liability) position on balance sheet	10,1	*f + g*
i)	Adjusted benefit asset	10,1	*h - max (0 ; d) as per PS3250.053*
j)	Expected future benefit	29,3	*Minimum EFB basis calculation illustrated (k - l + m)*
k)	- Perpetuity of employer service cost	44,6	*r)*
l)	- Minimum funding requirement	15,3	*s), assuming contribution to 2026 as per the report for special contribution, no excess return used for simplicity*
m)	- Surplus withdrawal	0,0	*As per the plan funding policy, the employer would have some access to surplus withdrawal. For simplicity, we have used 0 in the test.*
	TEST : Valuation allowance = max (0 ; i - j)	0,0	*No valuation allowance required, no adjustment to the balance sheet asset position, PS3250.050 and PS3250.054*

Expected Future Benefit Calculations

n)	Total plan service accrual accounting	2,9	*From AON Memorandum (August 2, 2016) and OTPP Jan 26, 2016 documentation*
o)	Employer service accrual share	50%	*From AON Memorandum (August 2, 2016) and OTPP Jan 26, 2016 documentation*
p)	Expected return on asset - accounting assumption	6,25%	*From AON Memorandum (August 2, 2016) and OTPP Jan 26, 2016 documentation*
q)	Salary increase - accounting assumption	3,00%	*From AON Memorandum (August 2, 2016) and OTPP Jan 26, 2016 documentation*
r)	Perpetuity of Employer service cost - accounting	44,6	*n * o / (p - q), present value of all future service cost to the employer (the 50% share)*
s)	Minimum employer funding requirement as at March 31, 2016	15,3	*Sum of the present value of future required contributions (table below), using the funding report and the period of additional contribution requirement (until 2026, funding report page 15)*
t)	Expected Future Benefit	29,3	*r - s, Perpetuity of employer service cost minus the minimum funding requirement as at March 31, 2016*

Year	Estimated Contributions[1]	Present value of each contribution
2016[2]	1,3	1,2
2017	1,7	1,6
2018	1,8	1,6
2019	1,8	1,5
2020	1,9	1,5
2021	2,0	1,4
2022	2,0	1,4
2023	2,1	1,3
2024	2,1	1,3
2025	2,2	1,3
2026	2,3	1,2

	% assumpt	$B return
Accounting return on asset	*6,25%*	*5,4*
Funding return on asset	*4,85%*	*4,2*
Excess return each year using best estimate		*1,2*

[1] Estimated contributions from funding report (p.16), increased based on salary increase accounting assumption

[2] Remaining contributions used as at March 31,2016 (9 months for 2016)

	Plan	OPSEU (in $M)	Information
a)	Value of asset - market value used	9 200	*From Excel File*
b)	Value of accounting obligation	7 778	*From Excel File*
c)	Surplus (deficit)	1 422	*a - b*
d)	Unamortized (gains) losses - market value used	-558	*From Excel File*
e)	Adjustment for March 31, 2016	-292	*From Excel File*
f)	Asset (liability) position	572	*c + d + e*
g)	Specific Government adjustment	-52	*From Excel File*
h)	Final Asset (liability) position on balance sheet	520	*f + g*
i)	Adjusted benefit asset	520	*h - max (0 ; d) as per PS3250.053*
j)	Expected future benefit	2 750	*Minimum EFB basis calculation illustrated (k - l + m)*
k)	- Perpetuity of employer service cost	6 262	*r)*
l)	- Minimum funding requirement	3 511	*s), assuming contribution to 2026 as per the report for special contribution, no excess return used for simplicity*
m)	- Surplus withdrawal	0	*As per the plan funding policy and plan text, it is unclear whether the employer would have some access to surplus withdrawal. For simplicity, we have used 0 in the test.*
	TEST : Valuation allowance = max (0 ; i - j)	0,0	*No valuation allowance required, no adjustment to the balance sheet asset position, PS3250.050 and PS3250.054*

Expected Future Benefit Calculations

n)	Total plan service accrual accounting	407	*From OPSEU Jan 25, 2016 documentation*
o)	Employer service accrual share	50%	*From OPSEU Jan 25, 2016 documentation*
p)	Expected return on asset - accounting assumption	6,25%	*From OPSEU Jan 25, 2016 documentation*
q)	Salary increase - accounting assumption	3,00%	*From OPSEU Jan 25, 2016 documentation*
r)	Perpetuity of Employer service cost - accounting	6 262	*n * o / (p - q), present value of all future service cost to the employer (the 50% share)*
s)	Minimum employer funding requirement as at March 31, 2016	3 511	*Sum of the present value of future required contributions (table below), using the funding report and the period of additional contribution requirement (until 2032)*
t)	Expected Future Benefit	2 750	*r - s, Perpetuity of employer service cost minus the minimum funding requirement as at March 31, 2016*

Year	Estimated Contributions[1]	Present value of each contribution
2016[2]	204	199
2017	279	259
2018	287	251
2019	296	243
2020	305	236
2021	314	228
2022	323	221
2023	333	215
2024	343	208
2025	353	202
2026	364	196
2027	375	190
2028	386	184
2029	398	178
2030	410	173
2031	422	167
2032	435	162

	% assumpt	$M return
Accounting return on asset	*6,25%*	*575*
Funding return on asset	*5,85%*	*538*
Excess return each year using best estimate		*37*

[1] Estimated contributions from funding report (p.12), increased based on salary increase accounting assumption
[2] Remaining contributions used as at March 31,2016 (9 months for 2016)