

Actuarial Assumptions

The Total Pension Liability in the December 31, 2015, actuarial valuation was determined using the following actuarial assumptions:

Inflation	3.0% per year
Overall payroll growth	3.5% per year
Investment rate of return	8%, net of pension plan investment expense, including inflation

Mortality rates for active members, retirees, and beneficiaries were based on the following:

Depositing members	The RP-2000 Active Employee Mortality Table for males with a two-year set-forward and the RP-2000 Active Employee Mortality Table for females with a four-year setback, both projected to 2014 with scale AA and the projected with 110% of the MP-2014 Ultimate scale after that.
Service retirees, beneficiaries and non-depositing members	The RP-2000 Combined Mortality Table projected to 2014 with scale AA and then projected with 110% of the MP-2014 Ultimate scale after that, with a one-year set-forward for males and no age adjustment for females.
Disabled retirees	RP-2000 Disabled Mortality Table projected to 2014 with scale AA and then projected with 110% of the MP-2014 Ultimate scale after that, with no age adjustment for males and a two-year set-forward for females.

The actuarial assumptions that determined the total pension liability as of December 31, 2015, were based on the results of an actuarial experience study for the period January 1, 2009 through December 31, 2012, except for mortality assumptions. Mortality assumptions were updated for the 2015 valuation to reflect projected improvements.

The long-term expected rate of return on pension plan investments is 8.10%. The pension plan's policy in regard to the allocation of invested assets is established and may be amended by the TCDRS Board of Trustees. The application of the investment return assumption was changed for purposes of determining plan liabilities in the 2015 actuarial valuation. All plan liabilities are now valued using an 8% discount rate. Previously, some liabilities were valued using a 7% discount rate and others were valued using a 9% discount rate.