



TRA financial status update

Preliminary estimates, June 30, 2017

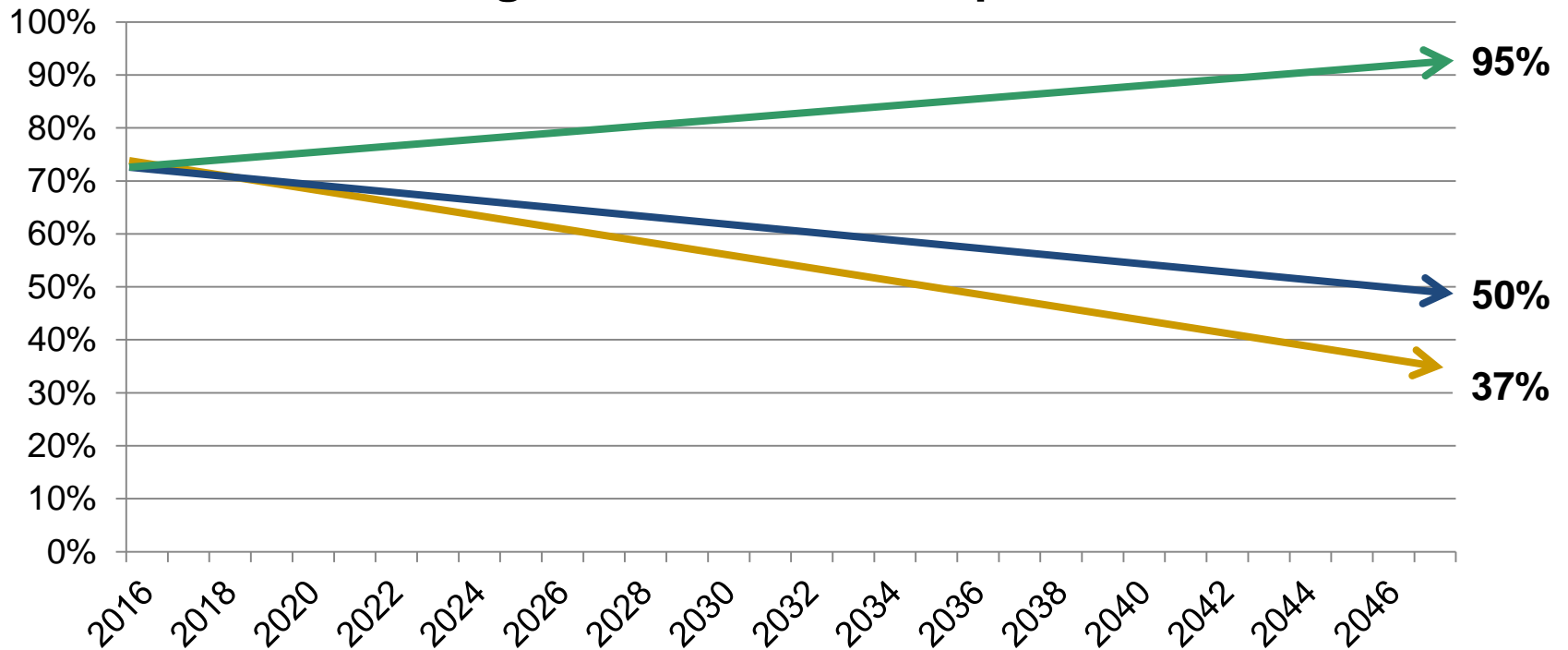
Excellent returns in FY17 helped, but very large deficiency persists

<u>MARKET VALUE</u>	6/30/17 estimate; 7.5% return assumption
Actuarial accrued liability	\$30.7 billion
Market value of assets	\$21.2 billion
Funded ratio 6/30/2017	69.1%
Projected funded ratio in 2047	50%
Total required contribution, as a % of pay	24.47%
Employee plus employer contributions	15.94%
Sufficiency / (deficiency), as a % of pay	(8.53%)

Source: TRA actuary, Cavanaugh MacDonald, 8/16/17



TRA projected funded ratios using 7.5% return assumption



Source: TRA actuary, Cavanaugh MacDonald

Green line: Projection based on 2017 valuation – pension bill

Blue line: Projection based on 2017 valuation – no changes

Gold line: Projection based on 2016 valuation – no changes