Inflation-based Formula for BART Fare Increases

$$\left(\frac{\frac{(NCPIU_2 - NCPIU_0)}{NCPIU_0} + \frac{(BACPIW_2 - BACPIW_0)}{BACPIW_0}}{2} \right) - \text{0.005 Productivity Factor}$$

Definitions:

NCPIU	**National CPI-U Annual Average:** U.S. City Average consumer price index for all urban consumers	Each average is measured for all items, over a calendar year with an index base period of 1982-84 = 100 as reported by the Bureau of Labor Statistics, U.S. Department of Labor
BACPIW	**Bay Area CPI-W Annual Average:** the San Francisco-Oakland-San Jose, CA local consumer price index for urban wage earners and clerical workers	
"0" and **"2"** subscripts of NCPIU and BACPIW represent the calendar year from which ("0") and against which ("2") the inflation change is calculated (e.g., if the formula is applied for FY12, the calendar years are 2008 and 2010).		

Example Calculation: FY12

$$\left(\frac{\frac{(218.1 - 215.3)}{215.3} + \frac{(223.8 - 218.4)}{218.4}}{2} \right) - \text{0.005 Productivity Factor}$$

The result would be a 1.4% increase to fares.