Cumulative Inflation-Adjusted Performance
70\% S\&P 500, 30\% Lehman Aggregate and 5\% Spend


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## Time Period - 42 Years



Source: Ibbotson, Bloomberg, Commonfund Institute
The equity portion of the hypothetical portfolio is based on monthly returns of the S\&P 500 Index ( $12 / 65-2 / 08$ ), and the fixed income portion is based on monthly returns of the Lehman Brothers Aggregate Index ( $01 / 73-2 / 08$ ) and the Ibbotson Associates Long Term Corporate Bond Index ( $12 / 65-12 / 72$ ). HEPI data from $07 / 06$ to $2 / 08$ is estimated using the Commonfund Institute method based on regression analysis. Returns for this hypothetical portfolio assume that it is rebalanced to $70 / 30$ annually on $1 / 1 / \mathrm{yy}$ and $5 \%$ is distributed annually on $1 / 1 / \mathrm{sy}$.

# Board of Regents Finance Committee Long-Term Earnings Requirement and Spending Analysis February 17, 2008 

|  | Pooled <br> Endowment Funds | Land Grant <br> Endowment Funds |
| :---: | :---: | :---: |
| Five-Year Actual Earnings Rate September 30, 2008 | 7.63\% | 7.63\% |
| Ten-Year Actual Earnings Rate September 30, 2008 | 6.42\% | 6.42\% |
| Current Distribution Requirements: |  |  |
| Spending Rate FY2008 | 4.50\% | 5.00\% |
| Endowment Fee | 1.00\% | 0.50\% |
| Investment Costs | 0.18\% | 0.18\% |
| Total Distribution Requirement | 5.68\% | 5.68\% |
| HEPI Inflation Rate (1) | 4.30\% | 4.30\% |
| Total Earnings Requirement (2) | 9.98\% | 9.98\% |
| Expected Earnings Rate of Target Asset Allocation (1) | 9.50\% | 9.50\% |
| Estimated Earnings Shortfall | 0.48\% | 0.48\% |
| Spending Rate FY2008 | 4.50\% | 5.00\% |
| Less Estimated Earnings Shortfall | -0.48\% | -0.48\% |
| Calculated Spending Rate | 4.02\% | 4.52\% |
| Recommended Spending Rate FY2010 | 4.00\% | 4.50\% |

(1) Source: Commonfund Asset Planning Model Assumptions
(2) Estimated earnings required to maintain current spending rate

