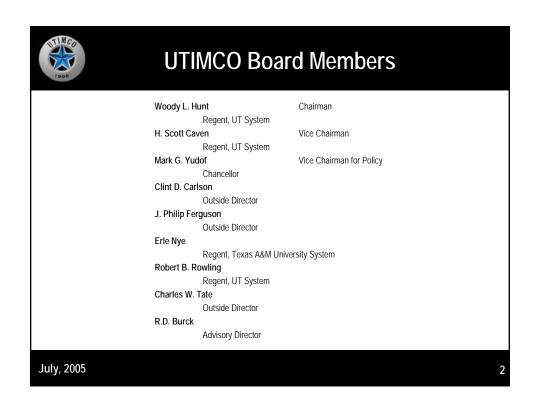
- B. CONVENE JOINT MEETING: BOARD OF REGENTS AND UTIMCO BOARD OF DIRECTORS
- 9. <u>U. T. System: UTIMCO Organization</u>

REPORT

UTIMCO Chairman Hunt and Mr. Boldt will outline the organizational structure of UTIMCO using a PowerPoint on Pages 9.1-9.7.







UTIMCO Board Committees

Audit & Ethics Compensation Risk
Committee Committee Committee

Erle Nye, Chairman J. Philip Ferguson, Chairman H. Scott Caven, Chairman

Robert Rowling Clint Carlson Woody Hunt Woody Hunt Robert Rowling Charles Tate

July, 2005

3



UTIMCO Consultants and Service Providers

Investment Consultant: Cambridge Associates LLC

Consultant to Chairman of UTIMCO Board: Dr. Keith Brown

Legal Counsel: Vinson & Elkins LLP External Auditor: Ernst & Young LLP

Master Custodian: Mellon Trust
External Managers and Partners:

Public Markets: 21 Managers

Marketable Alternatives: 23 Managers for 26 Funds Private Capital: 82 Partners for 142 Partnerships

July, 2005



UTIMCO Mission Statement

For our clients:

UTIMCO will provide competitive, innovative and effective asset management and financial advisory services to our clients within the University of Texas and Texas A&M Systems.

For the community:

UTIMCO accepts its responsibilities as the manager for the largest public endowment fund in the United States and will act as a leader to advance endowment fund management practices at both public and private endowments.

July, 2005

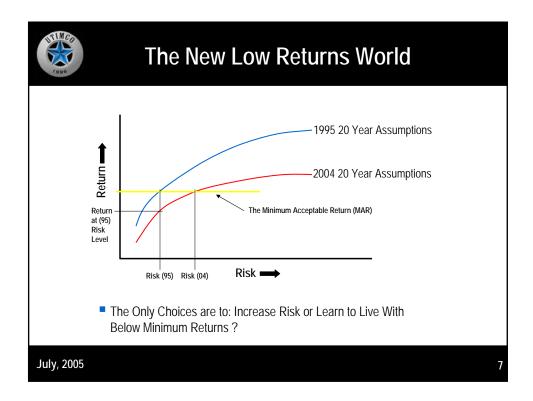
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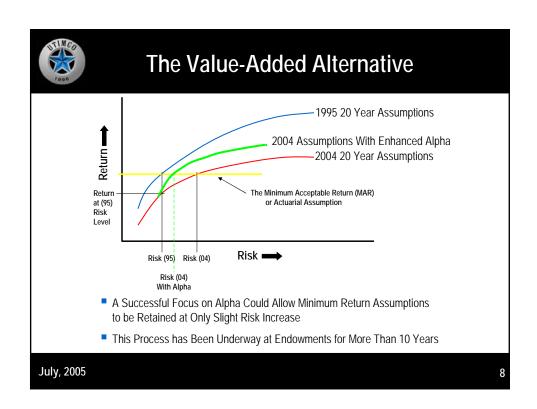


Our Strategic Objectives

- Earn \$200 million in Value-Added Per Year,
- Be Recognized as One of the Five Best Managed Endowments in the United States,
- Earn High Satisfaction Ratings From Our Clients for:
 - Investment Skill
 - Innovation
 - Communication

July, 2005







How Will UTIMCO Cope With This New Tough Environment?

- The most appropriate approach for UTIMCO is to:
 - Focus on those asset classes and markets where we can add value,
 - Find and retain the best external managers to invest the bulk of UTIMCO assets.
 - Supplement external managers with internal management in specific niches with specific objectives,
 - Create a very solid risk management and risk budgeting platform as the backbone for the entire investment process,
 - Use creative strategies to overcome the disadvantages of size, and take advantage of our size wherever possible,
 - Create a specialist organizational structure to implement the strategy.
- The foundation of the approach is value-added, what we term PVA

July, 2005

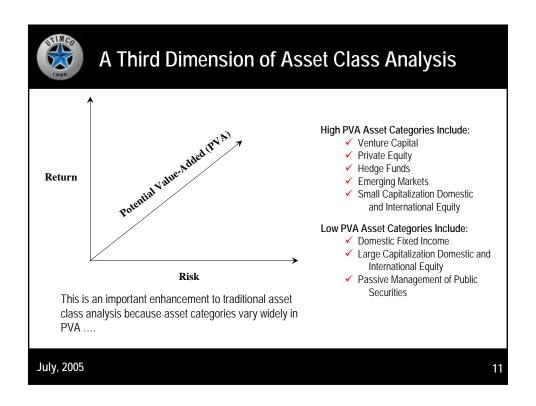
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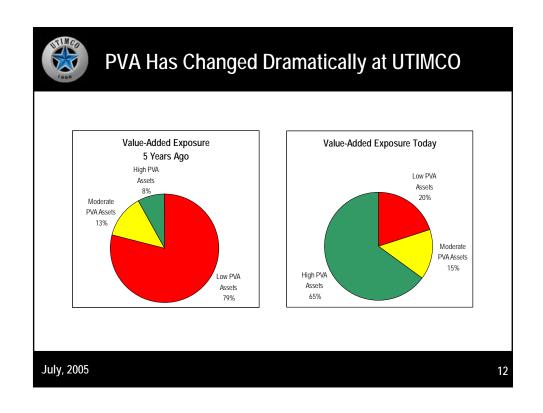


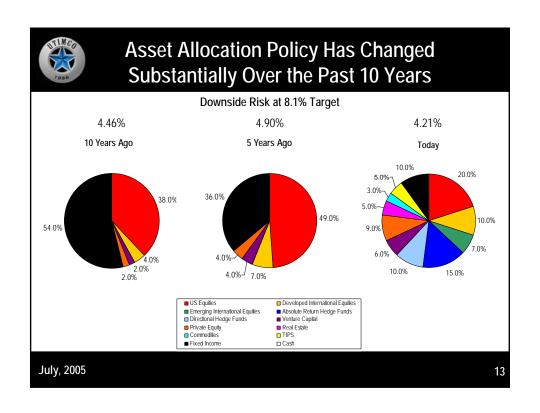
Focus on High PVA Opportunities

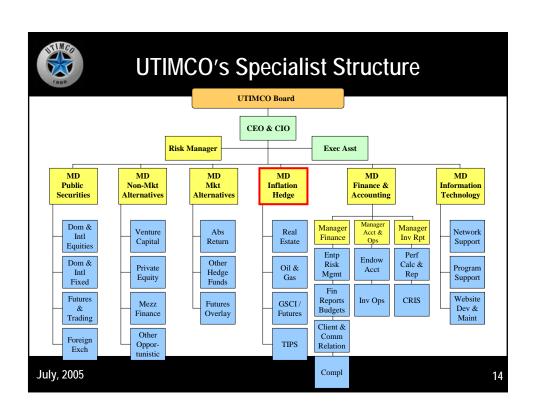
- Potential Value-Added (PVA) is the opportunity to increase returns beyond those generally available in an asset class through active management.
- PVA takes two forms:
 - PVA by an active manager is the result of effective security selection usually based on extensive research and analysis skills,
 - PVA by staff can result from a wide range of sources including skill in manager selection, term negotiations, manager monitoring, responses to periodic special opportunities in the markets, and risk control.
- Our objective at UTIMCO is to focus on high PVA opportunities, developing or purchasing the skills necessary to earn attractive returns.
- PVA is the most fundamental building block of our investment approach at UTIMCO.

July, 2005









10. <u>U. T. System: Observations by investment consultants on asset allocation for U. T. System endowment funds</u>

REPORT

Mr. Steve Voss, Ennis Knupp + Associates, and Mr. Bruce Myers, Cambridge Associates, will lead a discussion of asset allocation for U. T. System endowment funds, using PowerPoints attached on Pages 10.1 – 10.3 and 10.4 – 10.12, respectively.

Discussion on Asset Allocation



Mr. Steve Voss July 8, 2005

ENNISKNUPP

Overview of Process

UTIMCO employed a methodical and innovative process

- Approach similar to that used in 2003
- Logical steps (assumptions, constraints, decision factors)
- Innovative multi-step modeling process

EnnisKnupp Assessment

In aggregate, we believe that UTIMCO's process is sound and reasonable

Future Considerations

Start with a joint meeting so Board of Regents can set objectives

ENNISKNUPP

Asset Class Assumptions

- Assumptions are similar to those used in 2003 study
- Process was somewhat opaque to us in some areas
- Assumptions are reasonable and similar to EnnisKnupp's

ENNISKNUPP

Translating Process Into Policy

A number of "decision factors" were used to guide the policy-setting process

- Maintain real value of endowments and distributions
- Outperform policy and peers
- Minimize risk and illiquidity

UTIMCO Board chose among candidate portfolios based on their rankings according to these decision factors, as weighted by the UTIMCO Board

EnnisKnupp Assessment

Proposed decision factors were reasonable, but ideally decision factors would mirror investment objectives defined by Board of Regents

ENNISKNUPP

Asset Allocation Policy

- Proposed policy target allocations are contemporary and similar to those of other institutions with similar financial objectives
- Allowable ranges are wide
- Benchmarks are generally reasonable, but could be streamlined

ENNISKNUPP



The University of Texas Board of Regents

Asset Allocation Review Mr. Bruce Myers July 8, 2005

1

C A

The University of Texas System Board of Regents Asset Allocation Review

- Review of the Building Blocks of Asset Allocation
- Putting it all Together
- Reflections on Practices of Peer Institutions



The University of Texas System Board of Regents Asset Allocation Review

BUILDING BLOCKS OF ASSET ALLOCATION

3



Building Blocks of Asset Allocation

- Maintain high allocation to equities (broadly defined)
- Hedge against disasters
- Diversify equity allocation to add return and reduce volatility



Maintain High Equity Ownership

- In the long run, equities are the dominant asset class: real rate of return on U.S. equities since 1900 has been 6.6%, the real return on bonds for the same period was 2.4% and for cash 1.1%.
- You make more money as an owner than you do as a lender.
- A dollar invested in equities in 1900 would be worth \$829 today (inflation adjusted). Same dollar invested in bonds would be worth \$12.52 (also adjusted for inflation).

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Building Blocks of Asset Allocation

Maintain High Equity Ownership

- So why not hold 100% in Equities?
 - In all the 5-year periods since 1900, equities have outperformed bonds 74% of the time.
 - Put another way: there is a 1 in 4 chance of encountering a 5-year period when bonds outperform equities



- Maintain high allocation to equities (broadly defined)
- Hedge against disasters
- · Diversify equity allocation to add return and reduce volatility

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Building Blocks of Asset Allocation

Hedge Against Disasters

- Two disaster scenarios threaten institutions with high equity allocations:
 - Periods of prolonged economic contraction (deflation)
 - Periods of unexpected jumps in the rate of inflation



Hedge Against Disasters

A baker's dozen of painful periods for U.S. Equity:

Real 3-Year

| | Period | AACR | "Cause" |
|-----|---------|-------|-----------|
| 1. | 1929-31 | -22.9 | Deflation |
| 2. | 1930-32 | -19.8 | Deflation |
| 3. | 2000-02 | -16.6 | ? |
| 4. | 1972-74 | -16.1 | Inflation |
| 5. | 1916-18 | -13.3 | Inflation |
| 6. | 1973-75 | -13.0 | Inflation |
| 7. | 1917-19 | -11.4 | Inflation |
| 8. | 1939-41 | -10.8 | Deflation |
| 9. | 1946-48 | -8.5 | Inflation |
| 10. | 1940-42 | -7.3 | Inflation |
| 11. | 1915-17 | -5.9 | Inflation |
| 12. | 1937-39 | -5.0 | Deflation |
| 13. | 1918-20 | -4.9 | Inflation |

9



Building Blocks of Asset Allocation

- Maintain high allocation to equities (broadly defined)
- Hedge against disasters
- Diversify equity allocation to add return and reduce volatility



Diversify equity allocation to add return and reduce volatility

- Market leadership rotates
 - Different classes of equity or manager strategies provide different patterns of returns
 - Cycles are certain but difficult to predict
- Less efficient markets create opportunity for skillful managers to add value

1



The University of Texas System Board of Regents Asset Allocation Review

PUTTING IT ALL TOGETHER



Putting it all together

- Since there is likely to be an opportunity cost to holding assets that hedge against either deflation or inflation...
 - Carve out a bond allocation sufficient to provide needed protection, but not any larger than is needed.
 - Bonds will provide liquidity for funding programs and payout during deflationary period so that equities will not have to be sold at fire sale prices.
 - · Degree of protection needed will vary from institution to institution
 - Carve out allocation required for inflation protection.
 - · Use basket of asset classes
 - · Seek value added strategies/managers to limit opportunity costs

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Putting it all together

- · Diversify equity asset classes to add return and limit volatility
 - A rich asset mix is needed to provide opportunity for generating required return
 - Quantitative modeling can be helpful in guiding allocations.
 - Quantitative modeling most helpful in assessing the relative merits of differing portfolios
 - Asset Allocation should be informed by quantitative modeling, but never determined by it.
 - Fundamental assessment of long-term intrinsic sources of return for each asset class must be considered.



The University of Texas System Board of Regents Asset Allocation Review

REFLECTIONS ON THE PRACTICES OF PEER INSTITUTIONS

1.5



Reflections on the Practices of Peer Institutions

- Allocation to U.S. Equity have been driven down as portfolios become more broadly diversified
 - $-\,$ Average (median) allocation was 24%, with outliers as high as 60% and as low as 9%
 - 24 of the 34 institutions had allocations between 15 and 35%.
- Allocations to U.S. Fixed Income reduced sharply over last ten years:
 - Of the 34 educational institutions we track with endowments greater than \$1 billion:
 - Average (median) fixed income allocation was 13.4%
 - Range was from a high of 26% to a low of 5%
 - Eight institutions held less than 10% in fixed income



Reflections on the Practices of Peer Institutions

- Allocations to Marketable Alternative strategies (a/k/a hedge funds) have grown sharply (especially since 2000).
 - Average (median) allocation about 20%, targets likely higher.
 - Range of observations: from 62% on the high side to a low of 6%
 - Reported allocations may understate presence of these strategies in some portfolios where hedge funds are being used as fixed income or equity substitutes.
 - 16 of the 34 institutions reported current allocations of 20% or more.

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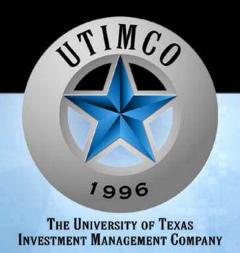
Reflections on the Practices of Peer Institutions

- General belief that earning 5%+ after inflation is likely to be very difficult in a period of muted investment returns with moderately higher levels of inflation.
 - Rich asset mix and broad opportunity set critical.
 - Tilt toward asset classes where manager skill can add value (alpha), and reduction in asset classes where alpha is hard to come by.
 - Increased desire to have the flexibility to be opportunistic or tactical.

11. <u>U. T. System: UTIMCO review and discussion of asset allocation for U. T. System endowment funds</u>

REPORT

UTIMCO Chairman Hunt and Mr. Boldt will lead a discussion of asset allocation for U. T. System endowment funds, using a PowerPoint attached on Pages 11.1 – 11.21.



Joint Meeting of UT System Board of Regents UTIMCO Board of Directors

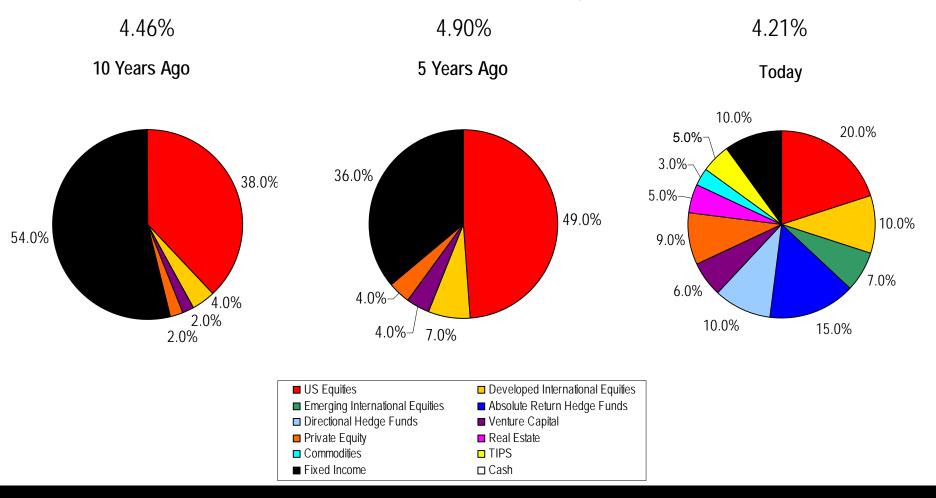
Asset Allocation Policy Review Process

Bob L. Boldt



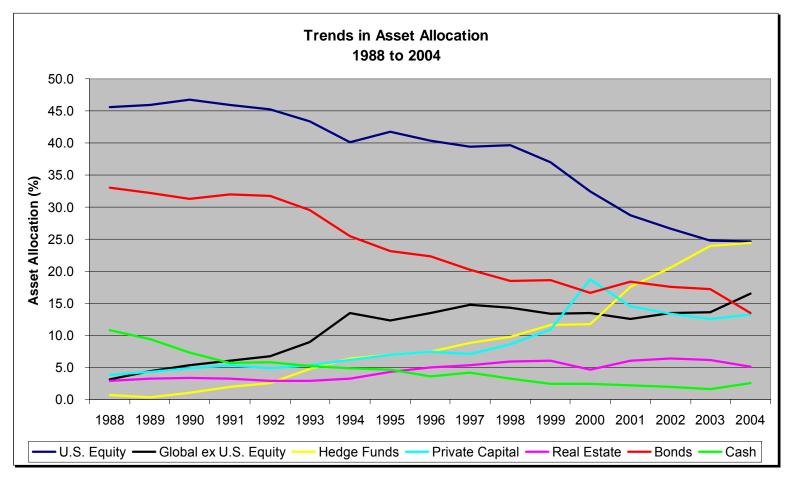
Asset Allocation Policy Has Changed Substantially Over the Past 10 Years

Downside Risk at 8.1% Target





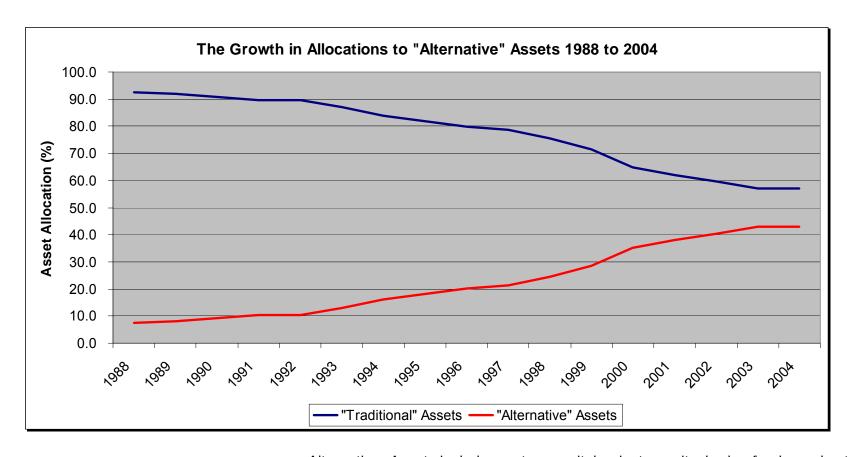
Asset Allocation Changes at Largest and Most Sophisticated Endowments



Source: Cambridge Associates



Focus is on Adding Value Through Alternative Investments

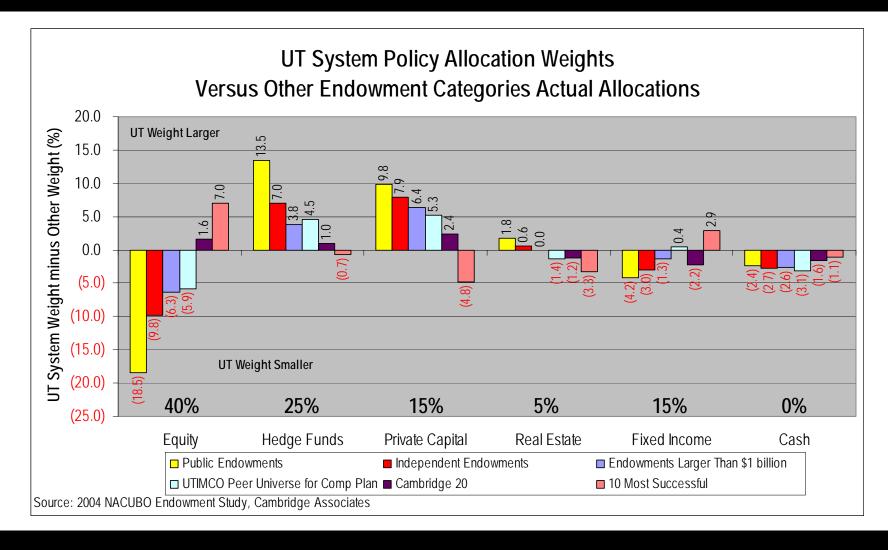


Source: Cambridge Associates

"Alternative" Assets include: venture capital, private equity, hedge funds, real estate, oil & gas, timber, and other opportunistic asset categories.



UT System Allocation Weights Compared to Other Endowments



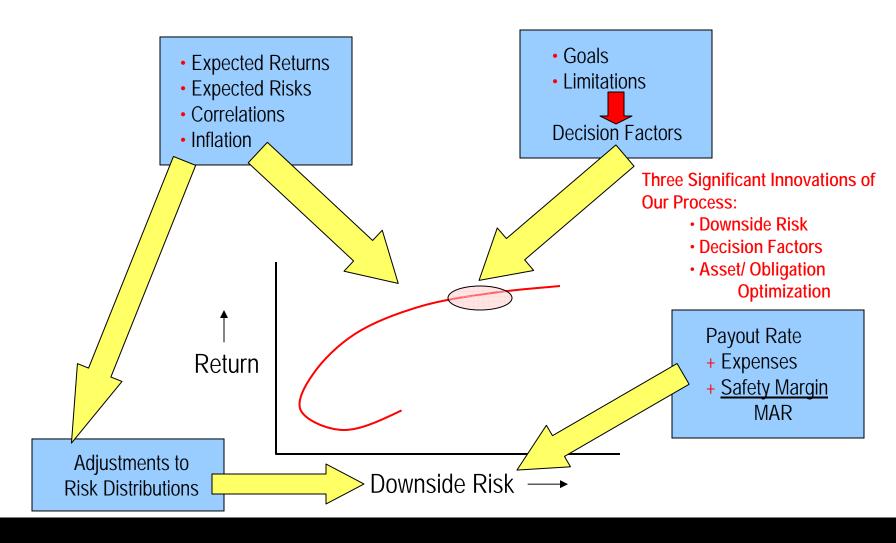


Objectives of Asset Allocation Review Process

- Select the appropriate risk level for the endowment funds
- Select the most effective strategic asset allocation targets at the selected risk level
- Establish tactical allocation ranges around the strategic allocation targets to allow staff to respond to market conditions
- Establish appropriate benchmarks to measure performance relative to expectations



Overview of Asset Allocation Process





Capital Market Assumptions and Constraints

Risk & Return Assumptions Summary:

PVA Assumptions:

Constraints:

| Data Item | Consultant Average | Historical | UTIMCO 2003 | UTIMCO 2005 | 75th Pct PVA25th Pct PVAV/A Spread | • | Exp PVA Std Dev | UTIMCO 2003 with PVA | UTIMCO 2005 with PVA | 2003 Minimum % | 2003 Maximum % | 2005 Minimum % | 2005 Maximum % |
|--|----------------------------|----------------------------|----------------------------|----------------------------|--|-----|-----------------|----------------------------|----------------------------|-------------------|-------------------|-------------------|-------------------|
| US Equity Nominal Returns Real Returns Std Deviation | 8.85% 6.37% 16.44% | 11.53% 6.86% 15.82% | 8.50% 5.50% 17.00% | 8.50% 5.50% 17.00% | 2.50% -2.50% 5.00% | 35% | 0.88% 3.71% | 9.13% 6.13% 17.40% | 9.38% 6.38% 17.40% | 20% | 100% | 20% | 100% |
| Non-US Developed Equity Nominal Returns Real Returns Std Deviation | 8.85% 6.38% 17.48% | 11.86% 7.19% 16.77% | 8.50% 5.50% 19.00% | 8.50% 5.50% 19.00% | 3.00% -3.00% 6.00% | 35% | 1.05% 4.45% | 9.25% 6.25% 19.51% | 9.55% 6.55% 19.51% | 10% | 100% | 10% | 100% |
| Emerging Markets Equity Nominal Returns Real Returns Std Deviation | 10.34% 7.86% 24.80% | 15.04% 10.36% 23.25% | 11.00% 8.00% 26.00% | 10.50% 7.00% 26.00% | 10.00% -10.00% 20.00% | 25% | 2.50% 14.83% | 12.50% 9.50% 29.93% | 13.00% 10.00% 29.93% | 0% | 10% | 0% | 15% |
| Absolute Return Hedge Fu Nominal Returns Real Returns Std Deviation | 6.91% 4.42% 6.49% | 10.79% 6.12% 6.15% | 7.00% 4.00% 7.50% | 7.00% 4.00% 7.50% | 4.00% -4.00% 8.00% | 25% | 1.00% 5.93% | 8.00% 5.00% 9.56% | 8.00% 5.00% 9.56% | 0% | 20% | 0% | 15% |
| Equity Hedge Funds Nominal Returns Real Returns Std Deviation | 8.46% 5.97% 8.37% | 10.48% 5.81% 8.16% | 8.00% 5.00% 11.00% | 8.00% 5.00% 10.00% | 5.00% -5.00% 10.00% | 25% | 1.25% 7.41% | 9.25% 6.25% 13.26% | 9.25% 6.25% 12.45% | 0% | 20% | 0% | 15% |
| Venture Capital Nominal Returns Real Returns Std Deviation | 14.24% 11.57% 31.63% | 15.16% 10.49% 18.78% | 14.00% 11.00% 30.00% | 14.00% 11.00% 30.00% | 15.00% -15.00% 30.00% | 15% | 2.25% 22.24% | 16.25% 13.25% 37.34% | 16.25% 13.25% 37.34% | 0% | 10% | 0% | 10% |
| Private Equity Nominal Returns Real Returns Std Deviation | 11.85% 9.38% 28.25% | 11.32% 6.65% 9.04% | 11.50% 8.50% 20.00% | 11.50% 8.50% 24.00% | 10.00% -10.00% 20.00% | 20% | 2.00% 14.83% | 13.50% 10.50% 24.90% | 13.50% 10.50% 28.21% | 0% | 10% | 0% | 15% |



Capital Market Assumptions and Constraints

Risk & Return Assumptions Summary:

PVA Assumptions:

Constraints:

| Data Item | Consultant Average | Historical | UTIMCO 2003 | UTIMCO 2005 | 75th Pct PVA25th Pct PVAV/A Spread | Capture Ratio | Exp PVA Std Dev | UTIMCO 2003 with PVA | UTIMCO 2005 with PVA | 2003 Minimum % | 2003 Maximum % | 2005 Minimum % | 2005 Maximum % |
|---|--------------------------|---------------------------|--------------------------|--------------------------|--|---------------|--------------------|----------------------------|----------------------------|-------------------|-------------------|-------------------|-------------------|
| REITS Nominal Returns Real Returns Std Deviation | 7.89% 5.41% 13.64% | 14.54% 9.87% 14.74% | 7.50% 4.50% 15.00% | 7.50% 4.50% 15.00% | 3.00% -3.00% 6.00% | 25% | 0.75% 4.45% | 8.25% 5.25% 15.65% | 8.25% 5.25% 15.65% | | 10% | 0% | 10% |
| Commodities (Financial) Nominal Returns Real Returns Std Deviation | 6.40% 3.70% 18.47% | 13.37% 8.70% 18.43% | 5.00% 2.00% 18.00% | 6.00% 3.00% 18.00% | 3.00% -3.00% 6.00% | 25% | 0.75% 4.45% | 5.00% 2.00% 18.00% | 6.75% 3.75% 18.54% | 0% | 10% | 0% | 10% |
| TIPS Nominal Returns Real Returns Std Deviation | 4.94% 2.40% 6.00% | 9.07% 4.39% 3.69% | 5.50% 2.50% 6.00% | 5.50% 2.50% 6.00% | -1.00% | 25% | 0.25% 1.48% | 5.50% 2.50% 6.00% | 5.75% 2.75% 6.18% | | 10% | 0% | 15% |
| US Fixed Income Nominal Returns Real Returns Std Deviation | 5.18% 2.70% 5.34% | 8.80% 4.13% 6.02% | 5.00% 2.00% 6.00% | 5.75% 2.75% 7.00% | 1.00% -1.00% 2.00% | 25% | 0.25% 1.48% | 5.25% 2.25% 6.18% | 6.00% 3.00% 7.16% | | 100% | 10% | 100% |
| Cash Nominal Returns Real Returns Std Deviation | 3.33% 0.86% 0.88% | 6.43% 1.75% 0.91% | 4.00% 1.00% 1.00% | 4.00% 1.00% 1.00% | 0.00% 0.00% 0.00% | 0% | 0.00% | 4.00% 1.00% 1.00% | 4.00% 1.00% 1.00% | | 0% | 0% | 0% |
| Inflation Returns Std Deviation | 2.48% 1.25% | 4.67% 1.17% | 3.00% 2.00% | 3.00% 1.50% | | | | 3.00% | 3.00% | | | | |

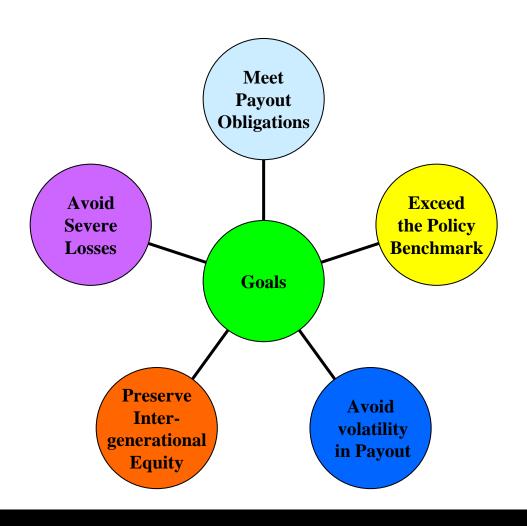


2005 Candidate Policy Portfolios

| | 2005 Candidate Policy Portfolios | | | | | | | | | |
|-------------|----------------------------------|---------|---------|---------|---------|---------|---------|---------|-------------|--|
| | 1 | 3 | 5 | 7 | 9 | 11 | 13 | 14 | 2003 Policy | |
| USE | 20.0% | 20.0% | 20.0% | 20.0% | 20.0% | 20.0% | 30.0% | 45.0% | 20.0% | |
| GE | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | |
| EM | 0.0% | 0.0% | 0.2% | 4.3% | 8.3% | 13.9% | 15.0% | 15.0% | 7.0% | |
| AR | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 13.1% | 0.0% | 0.0% | 15.0% | |
| EHF | 8.3% | 10.4% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 5.0% | 10.0% | |
| VC | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 6.0% | |
| PE | 7.4% | 9.7% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 9.0% | |
| REITS | 1.4% | 2.2% | 5.0% | 5.0% | 5.0% | 3.0% | 5.0% | 0.0% | 5.0% | |
| COM | 3.9% | 3.2% | 3.3% | 2.4% | 1.7% | 0.0% | 0.0% | 0.0% | 3.0% | |
| O&G | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| TIPS | 4.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 5.0% | |
| BND | 25.0% | 24.5% | 16.5% | 13.3% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | |
| CA | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |
| Exp Ret | 7.75% | 7.95% | 8.15% | 8.35% | 8.55% | 8.75% | 8.95% | 9.05% | 8.39% | |
| Vol | 8.7% | 9.2% | 9.8% | 10.6% | 11.4% | 12.3% | 13.7% | 15.0% | 10.8% | |
| 1 Yr VaR | -10.6% | -11.4% | -11.8% | -12.9% | -14.4% | -16.3% | -18.1% | -21.1% | -13.6% | |
| 1 yr DR | 6.5% | 6.7% | 7.0% | 7.4% | 7.9% | 8.5% | 9.4% | 10.3% | 7.6% | |
| 3 yr DR | 3.8% | 3.9% | 4.0% | 4.2% | 4.5% | 4.8% | 5.2% | 5.7% | 4.3% | |
| Avg PO | \$254.9 | \$257.8 | \$260.8 | \$264.3 | \$268.1 | \$272.2 | \$277.0 | \$280.0 | \$265.2 | |
| Illiquidity | 29.1% | 32.6% | 35.3% | 35.4% | 35.4% | 34.6% | 27.3% | 22.0% | 32.4% | |
| PVA | \$42.3 | \$45.1 | \$48.4 | \$52.4 | \$56.5 | \$60.8 | \$60.8 | \$59.4 | \$53.2 | |



Goals Are Multidimensional



- Typically, an investor wants to achieve several goals at the same time
- Decision Factors
 can help decision
 makers sort through
 those goals



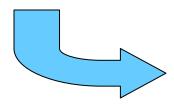
Decision Factors

A Decision Factor is a measure or characteristic which may be used to relate specific goals to a particular decision

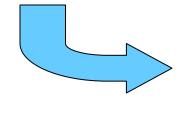


Using Decision Factors as a Link

Endowment Fund Investment Policies and Objectives



Decision Factors



Best Strategic Asset Allocation Strategy For Fund



2005 Decision Factors

Permanent University Fund 2005 Decision Factors

| | Decision Factor | Relative Importance Score |
|-----|--|---------------------------------|
| P1a | Maximize the possibility that distributions made at the current policy rate of 4.75% of average assets would match or exceed the prior year's inflation adjusted distribution in any future 1 year period. | |
| P2 | Maximize the possibility that future rolling 10 year compound annual real returns in the PUF will exceed 5.1% | |
| P3 | Minimize the possibility that the real value of the PUF, after distributions at the current 4.75% distribution policy rate, will decline over future 10 year periods. | |
| P4 | Maximize the possibility that actual PUF returns will exceed the PUF Policy Portfolio returns in future one year periods. | |
| P5a | Maximize the possibility that the PUF will have returns in the top half of the UTIMCO performance compensation peer universe over future 3 year periods. | |
| P6a | Maximize the possibility that future real returns over rolling 10 year time periods will exceed the 5.1% MAR by 1%, the margin necessary to maintain HEPI purchasing power by historical standards. | |
| P7 | Minimize the possibility that the PUF will have a return of minus 20% or less over any future 3 year time period. | |
| P8 | Minimize the exposure of PUF assets to "illiquid" investment options as defined in the PUF Liquidity Policy Statement. | |

General Endowment Fund 2005 Decision Factors

| | Decision Factor | Relative Importance Score |
|------------|---|---------------------------------|
| G1 | Minimize the possibility that distributions made under the current distribution policy will be "frozen" at the upper bound payout rate of 5.5% in any year within the next 15 years. | |
| G2 | Maximize the possibility of rolling 10 year compound annual GEF real returns exceeding 5.1%. | |
| G3 | Minimize the possibility that the real value of the GEF, after distributions, will decline over future 10 year periods. | |
| G4 | Maximize the possibility that future actual annual GEF returns will exceed the GEF Policy Portfolio return. | |
| G5a | Maximize the possibility that the GEF will have returns in the top half of the UTIMCO performance compensation peer universe over future 3 year periods. | |
| G6a | Maximize the possibility that future real returns over rolling 10 year time periods will exceed the 5.1% MAR by 1%, the margin necessary to maintain HEPI purchasing power by historical standards. | |
| G 7 | Minimize the possibility that the GEF will have a return of minus 20% or less over any future 3 year time period. | |
| G8 | Minimize the exposure of GEF assets to "illiquid" investment options as defined in the GEF Liquidity Policy Statement. | |



Actual Decision Factor Votes

| | | General Endowment Fund | | | | | | | |
|------------|-----|------------------------|-----|-----|-----|-----|-----|-----|--|
| UTIMCO BOD | G1 | G2 | G3 | G4 | G5 | G6a | G7 | G8 | |
| Carlson | 3% | 31% | 16% | 8% | 16% | 8% | 16% | 3% | |
| Caven | 18% | 18% | 24% | 12% | 18% | 6% | 6% | 0% | |
| Ferguson | 4% | 9% | 19% | 19% | 21% | 11% | 13% | 4% | |
| Hunt | 0% | 0% | 0% | 16% | 74% | 0% | 11% | 0% | |
| Rowling | 5% | 14% | 14% | 14% | 29% | 14% | 10% | 0% | |
| Tate | 9% | 14% | 14% | 18% | 14% | 9% | 18% | 5% | |
| Yudof | 10% | 0% | 20% | 10% | 10% | 10% | 20% | 20% | |

Mean 7% 12% 15% 14% 26% 8% 13% 5% **Dispersion Factor** 8.0 0.9 0.5 0.3 0.9 0.5 0.4 1.6



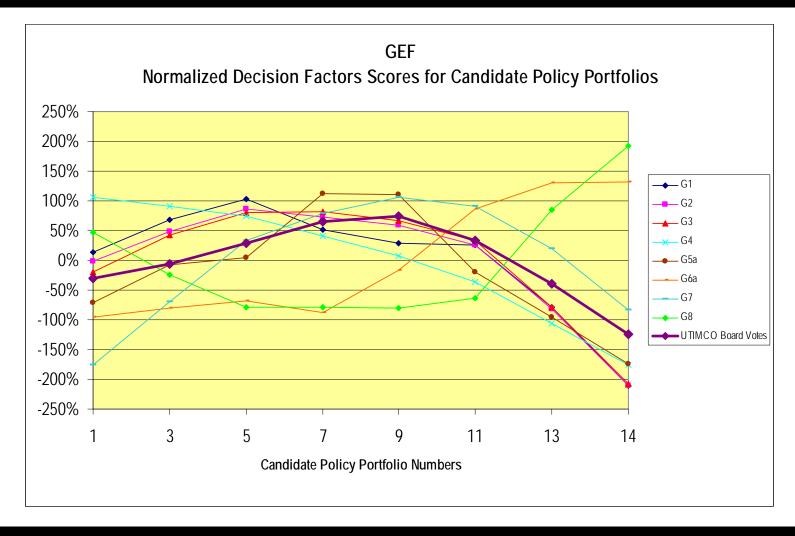
Actual Decision Factor Votes

| | | | Perma | nent Ur | niversity | Permanent University Fund | | | | | | | |
|------------|-----|-----|-------|---------|-----------|---------------------------|-----|-----|--|--|--|--|--|
| UTIMCO BOD | P1a | P2 | P3 | P4 | P5 | P6a | P7 | P8 | | | | | |
| Carlson | 3% | 31% | 16% | 8% | 16% | 8% | 16% | 3% | | | | | |
| Caven | 18% | 18% | 24% | 12% | 18% | 6% | 6% | 0% | | | | | |
| Ferguson | 4% | 9% | 19% | 19% | 21% | 11% | 13% | 4% | | | | | |
| Hunt | 0% | 0% | 0% | 16% | 74% | 0% | 11% | 0% | | | | | |
| Rowling | 5% | 14% | 14% | 14% | 29% | 14% | 10% | 0% | | | | | |
| Tate | 5% | 14% | 14% | 19% | 14% | 10% | 19% | 5% | | | | | |
| Yudof | 0% | 10% | 20% | 10% | 10% | 10% | 20% | 20% | | | | | |

Mean 5% 14% 15% 14% 26% 8% 13% 5% **Dispersion Factor** 1.2 0.7 0.5 0.3 8.0 0.5 0.4



Decision Factor Votes Highlight Most Appropriate Policy Portfolios





Most Appropriate Policy Portfolios

| 2005 | Candidate | Policy | Portfolios |
|------|-----------|--------|------------|

| | 1 | 3 | 5 | 7 | 9 | 11 | 13 | 14 | 2003 Policy |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|
| USE | 20.0% | 20.0% | 20.0% | 20.0% | 20.0% | 20.0% | 30.0% | 45.0% | 20.0% |
| GE | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% |
| EM | 0.0% | 0.0% | 0.2% | 4.3% | 8.3% | 13.9% | 15.0% | 15.0% | 7.0% |
| AR | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 13.1% | 0.0% | 0.0% | 15.0% |
| EHF | 8.3% | 10.4% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% | 5.0% | 10.0% |
| VC | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 6.0% |
| PE | 7.4% | 9.7% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% | 9.0% |
| REITS | 1.4% | 2.2% | 5.0% | 5.0% | 5.0% | 3.0% | 5.0% | 0.0% | 5.0% |
| COM | 3.9% | 3.2% | 3.3% | 2.4% | 1.7% | 0.0% | 0.0% | 0.0% | 3.0% |
| O&G | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| TIPS | 4.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 5.0% |
| BND | 25.0% | 24.5% | 16.5% | 13.3% | 10.0% | 10.0% | 10.0% | 10.0% | 10.0% |
| CA | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| • | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| | | | | | | | | | |
| Exp Ret | 7.75% | 7.95% | 8.15% | 8.35% | 8.55% | 8.75% | 8.95% | 9.05% | 8.39% |
| Vol | 8.7% | 9.2% | 9.8% | 10.6% | 11.4% | 12.3% | 13.7% | 15.0% | 10.8% |
| 1 Yr VaR | -10.6% | -11.4% | -11.8% | -12.9% | -14.4% | -16.3% | -18.1% | -21.1% | -13.6% |
| 1 yr DR | 6.5% | 6.7% | 7.0% | 7.4% | 7.9% | 8.5% | 9.4% | 10.3% | 7.6% |
| 3 yr DR | 3.8% | 3.9% | 4.0% | 4.2% | 4.5% | 4.8% | 5.2% | 5.7% | 4.3% |
| Avg PO | \$254.9 | \$257.8 | \$260.8 | \$264.3 | \$268.1 | \$272.2 | \$277.0 | \$280.0 | \$265.2 |
| Illiquidity | 29.1% | 32.6% | 35.3% | 35.4% | 35.4% | 34.6% | 27.3% | 22.0% | 32.4% |
| PVA | \$42.3 | \$45.1 | \$48.4 | \$52.4 | \$56.5 | \$60.8 | \$60.8 | \$59.4 | \$53.2 |
| | | | | | | • | | | |

Slight Practical Revisions to the Candidate Portfolios Result in Recommended Policy

| | | Per | cent of Portfo | olio | |
|-----------------------------|-----------------------------|------------------------------------|------------------------------------|--|---|
| Asset Category | 2003 Policy Portfolio | Candidate Policy Portfolio 7 | Candidate Policy Portfolio 9 | 2005 Policy Portfolio Version 1 | 2005 Policy Portfolio Final Version |
| US Equities | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| Global Equities ex US | 10.0 | 10.0 | 10.0 | 12.0 | 10.0 |
| Emerging Markets Equities | 7.0 | 4.3 | 7.0 | 7.0 | 7.0 |
| Absolute Return Hedge Funds | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| Equity Hedge Funds | 10.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| Venture Capital | 6.0 | 5.0 | 6.0 | 3.0 | 4.0 |
| Private Equity | 9.0 | 10.0 | 9.0 | 12.0 | 11.0 |
| REITs | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Commodities | 3.0 | 2.4 | 3.0 | 3.0 | 3.0 |
| TIPs | 5.0 | 0.0 | 5.0 | 3.0 | 5.0 |
| Fixed Income | 10.0 | 13.3 | 10.0 | 10.0 | 10.0 |
| Cash | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | |
| Expected Return> | 8.39% | 8.35% | 8.55% | 8.38% | 8.34% |
| 1 Year Downside Risk> | 7.6% | 7.4% | 7.9% | 7.8% | 7.6% |
| Standard Deviation> | 10.8% | 10.6% | 11.4% | 11.1% | 10.8% |
| 95% 1 Year VaR> | -13.6% | -12.9% | -14.4% | -14.2% | -13.8% |
| Illiquidity> | 32.4% | 35.4% | 35.4% | 32.5% | 32.4% |

1.19



Recommended 2005 Asset Allocation Policy Targets, Ranges, and Benchmarks

| Recommended 2005 Asset Allocation Policy | Percent of I | Portfolio (%) | |
|---|----------------|---------------|---|
| Asset Category | Policy Targets | Policy Ranges | Benchmark |
| US Equities | 20.0 | 10 to 30 | Russell 3000 Index |
| Global ex US Equities | 17.0 | 10 to 30 | |
| Non-US Developed Equity | 10.0 | 0 to 30 | MSCI EAFE Index with net dividends |
| Emerging Markets Equity | 7.0 | 0 to 10 | MSCI Emerging Markets Index with net dividends |
| Hedge Funds | 25.0 | 15 to 30 | |
| Directional Hedge Funds | 10.0 | 5 to 15 | Combination index: 50% S&P Event-Driven Hedge Fund Index plus 50% S&P Directional/Tactical Hedge Fund Index |
| Absolute Return Hedge Funds | 15.0 | 10 to 20 | Combination index: 66.7% S&P Event-Driven Hedge Fund Index plus 33.3% S&P Arbitrage Hedge Fund Index |
| Private Capital | 15.0 | 5 to 20 | Venture Economics' Periodic IRR Index |
| Venture Capital | 4.0 | 0 to 8 | |
| Private Equity | 11.0 | 5 to 15 | |
| Inflation Linked | 13.0 | 5 to 20 | |
| REITS | 5.0 | 0 to 10 | Wilshire Associates Real Estate Securities Index |
| Commodities | 3.0 | 0 to 6 | GSCI Index minus 1% |
| TIPS | 5.0 | 0 to 10 | Lehman Brothers US TIPS Index |
| Fixed Income | 10.0 | 5 to 15 | Lehman Brothers Aggregate Index |
| Cash | 0.0 | 0 to 10 | 91 Day T-Bills |

| Expected Return> | 8.34% |
|-----------------------|--------|
| 1 Year Downside Risk> | 7.6% |
| Standard Deviation> | 10.8% |
| 95% 1 Year VaR> | -13.8% |
| Illiquidity> | 32.4% |

Benchmarks subject to additional review by Cambridge

Comparison of 2003 Policy and Recommended 2005 Policy

| 2003 Asset Allocation Policy | Percent of Portfolio (%) | |
|------------------------------|--------------------------|------------------|
| Asset Category | Policy Targets | Policy Ranges |
| US Equities | 25.0 | 15 to 45 |
| Traditional US Equities | 20.0 | 15 to 45 |
| REITS | 5.0 | 0 to 10 |
| Global ex US Equities | | |
| Non-US Developed Equity | 10.0 | 5 to 15 |
| Emerging Markets Equity | 7.0 | 0 to 10 |
| Total Equity | 42.0 | 20 to 60 |
| Equity Hedge Funds | 10.0 | 5 to 15 |
| Absolute Return Hedge Funds | 15.0 | 10 to 20 |
| Total Hedge Funds | 25.0 | 15 to 25 |
| Venture Capital | 6.0 | 0 to 10 |
| Private Equity | 9.0 | 5 to 15 |
| Total Private Capital | 15.0 | 5 to 15 |
| Commodities | 3.0 | 0 to 5 |
| Fixed Income | 15.0 | 10 to 30 |
| Traditional Fixed Income | 10.0 | 10 to 30 |
| TIPS | 5.0 | 0 to 10 |
| Cash | 0.0 | 0 to 5 |

| Recommended 2005 Asset Allocation Policy | Percent of Portfolio (%) | | |
|---|--------------------------|---------------|--|
| Asset Category | Policy Targets | Policy Ranges | |
| US Equities | 20.0 | 10 to 30 | |
| Global ex US Equities | 17.0 | 10 to 30 | |
| Non-US Developed Equity | 10.0 | 0 to 30 | |
| Emerging Markets Equity | 7.0 | 0 to 10 | |
| Hedge Funds | 25.0 | 15 to 30 | |
| Directional Hedge Funds | 10.0 | 5 to 15 | |
| Absolute Return Hedge Funds | 15.0 | 10 to 20 | |
| Private Capital | 15.0 | 5 to 20 | |
| Venture Capital | 4.0 | 0 to 8 | |
| Private Equity | 11.0 | 5 to 15 | |
| Inflation Linked | 13.0 | 5 to 20 | |
| REITS | 5.0 | 0 to 10 | |
| Commodities | 3.0 | 0 to 6 | |
| TIPS | 5.0 | 0 to 10 | |
| Fixed Income | 10.0 | 5 to 15 | |
| Cash | 0.0 | 0 to 10 | |