

**DRAFT – March 31, 2012**

**UNIVERSITY OF TORONTO ASSET MANAGEMENT CORPORATION**

**2011 Annual Report**

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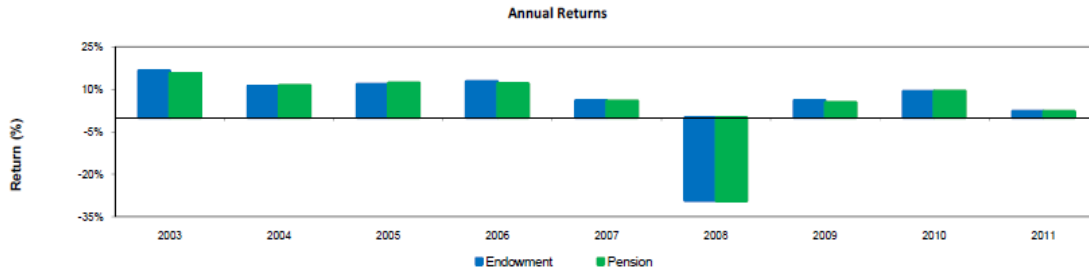
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All figures in this Annual Report are in Canadian dollar terms, unless stated otherwise.

## ANNUAL RESULTS

Investment performance for 2011 and prior periods ending 2011 is summarized below.



|                                         | 2011      |         |         | 2 - Year<br>(2010-2011) |         |      | 4 - Year<br>(2008-2011) |         |      |
|-----------------------------------------|-----------|---------|---------|-------------------------|---------|------|-------------------------|---------|------|
|                                         | ENDOWMENT | PENSION | EFIP    | ENDOWMENT               | PENSION | EFIP | ENDOWMENT               | PENSION | EFIP |
| University Target Return <sup>1</sup>   | 6.3%      | 6.3%    | 2.4%    | 6.3%                    | 6.3%    | 1.9% | 5.8%                    | 5.8%    | 3.0% |
| Reference Portfolio Return <sup>2</sup> | 0.2%      | 0.2%    | n.a.    | 5.2%                    | 5.2%    | n.a. | 1.4%                    | 1.4%    | n.a. |
| Actual Net Return <sup>3</sup>          | 1.2%      | 1.2%    | 2.5%    | 5.1%                    | 5.2%    | 2.3% | -4.6%                   | -4.7%   | 2.1% |
| Assets (December 31; millions)          |           |         |         |                         |         |      |                         |         |      |
| 2011                                    | \$1,754   | \$2,504 | \$1,006 |                         |         |      |                         |         |      |
| 2010                                    | \$1,757   | \$2,336 | \$909   |                         |         |      |                         |         |      |

n.a. = not applicable

<sup>1</sup> For the Endowment and Pension portfolios, the target return is a 4% real return plus inflation (CPI). For EFIP, the target return is the 365-day Canadian T-bill Index plus 50 basis points.

<sup>2</sup> Gross return less an assumed 15 bps implementation costs. Note that the Reference Portfolio was only adopted in 2009.

<sup>3</sup> Gross return less all fees and costs including UTAM costs, custody costs, etc.

## **PRESIDENT'S MESSAGE**

Another very challenging year for investment portfolio managers is the best way to describe 2011. Equity investments which typically account for the majority of the risk in traditional portfolios, recorded peak-to-trough swings in excess of 20%. Moreover when the year ended, the vast majority of global equity markets had produced negative total returns. Heightened risk aversion and additional infusions of monetary liquidity by global central banks made quality and selective fixed income assets the investments of choice. Underlying this performance were two very familiar macro themes: the European debt crisis; and, concerns regarding the state of the global economy.

In spite of this difficult investing environment, we were encouraged by the fact that all three of the main University portfolios were not only able to record positive returns but also outperformed the passive 'shadow' portfolio benchmarks that the University had previously established (the Reference Portfolio in the case of the Pension and Endowment portfolios). Also encouraging was the fact that this return pick-up was the result of a mixture of asset mix, manager selection and currency contributions as opposed to originating from a single factor.

In the past few years much of this message has been directed towards some of the steps that we were taking to improve flexibility and risk management within the portfolios and to enhance the skill, experience and infrastructure within UTAM. By definition, this task will never be complete. However, I believe that the past year could be characterized as bringing UTAM into the home stretch for this initiative. We have made great progress in strengthening our internal team. At the same time our new internal structure and strategic partnerships foster greater interchange as we explore investment alternatives for the portfolios and our revised governance structure (with the new Pension Committee and the President's Investment Advisory Committee) are creating much improved transparency and communication around the opportunity and risk that characterize the University portfolios at any point in time. In short, UTAM is a very different organization than it was only a few years ago and, as such, much better positioned to deliver on its original objective.

Although we cannot control the outcome of investment markets and thus portfolio returns, we are able to influence the costs that are expended in attempting to earn returns and we take this task seriously. As was the case last year, we were again able to meaningfully reduce 'total' investment management costs.

The last year was an extremely demanding one, not only with respect to markets, but also in terms of the time required by the UTAM Board and the two new Committees in working with the UTAM team to fine-tune our approach and work plan. All of us at UTAM are very appreciative of their commitment to the University and their input to UTAM. Our common purpose is to enhance the University's boundless possibilities.

**William Moriarty, CFA**

President & Chief Executive Officer

## **MANDATE**

UTAM manages \$5.2 billion of assets in three main portfolios: (i) the University's \$1.7 billion Endowment fund; (ii) the University's \$2.5 billion Pension Master Trust fund; and (iii) the University's working capital pool (Expendable Funds Investment Pool; "EFIP") of \$1.0 billion.

The main Endowment fund, which is formally called the Long Term Capital Appreciation Pool ("LTCAP"), primarily represents the collective Endowment funds of the University. The growth in assets of LTCAP is largely the net result of endowment contributions, withdrawals to fund endowment projects, net transactions in the other asset pools and investment income earned on LTCAP assets.

The Pension Master Trust fund ("Pension") consists of the assets of the University of Toronto Pension Plans. The change in assets of the Pension fund is primarily the net result of pension contributions, pension payments to retirees and investment income earned on the Pension assets.

EFIP consists of the University's expendable funds that are pooled for investment for the short and medium term. The nature of these assets, which generally represent the University's daily working capital, means that the total assets in EFIP can fluctuate significantly. The change in assets of EFIP reflects the combined effect of many factors, such as student tuition fees, University expenses for salaries, expenses for maintaining facilities, government grants and investment income earned on EFIP assets, etc.

The University establishes a return objective and risk tolerance for each of the portfolios that UTAM manages. The Endowment and Pension portfolios have the same target return and risk tolerance. EFIP's return target and risk tolerance are unique to that portfolio. UTAM's primary objective is to exceed the target return for each portfolio while managing the assets within the applicable risk tolerance.

For 2011, the target return and risk tolerance for the Endowment and Pension portfolios were stated as a 4% real return with a 10% risk tolerance (measured by the annual standard deviation of nominal returns) over a rolling ten-year period. The target return and risk tolerance for EFIP were stated as the 365-day Canadian T-bill Index return plus 50 basis points (i.e. 0.50%), with minimal risk. For 2012, the objectives for the Endowment and Pension have been restated as a 4% real return over a rolling ten-year period while taking an appropriate amount of risk to achieve this target, but without undue risk of loss. More specifically, the risk limit will be related to a Reference Portfolio.

In 2009, the University Administration and the UTAM Board established a Reference Portfolio benchmark comprised of traditional public markets assets. During 2011, the Reference Portfolio was comprised of 30% Canadian equities, 15% U.S. equities, 15% International equities, 35% Canadian Universe bonds and 5% Canadian Government real return bonds. Foreign currency assets were 50% hedged.

This portfolio was designed to represent an easily implementable, low cost approach to an investment program that would produce returns in line with the University's longer term objectives. As such, it was also meant to provide an objective measure of return and risk against which alternative portfolios and the 'active' approach employed by UTAM could be evaluated over time.

## **UTAM's INVESTMENT BELIEFS**

A number of fundamental guiding principles, or investment beliefs, provide a foundation for the approach that UTAM uses to construct portfolios.

**1. Asset allocation** is one of the most important decisions any investor makes. More specifically, asset allocation decisions anchor the portfolio's risk and return objectives and are the backbone of any investment program. This, in turn, reflects the fact that more than 90% of the variability of investment returns (and a large component of differences in the risk of a portfolio) are attributable to such decisions. The University's Reference Portfolio provides the starting point in this regard.

**2. A longer term focus** expands the investment opportunity set, allowing a portfolio to benefit from the periodic irrationality in markets and to exploit more illiquid assets. The ability of investment strategies to create value varies over time. Some strategies are better suited to short periods of time, or certain parts of a typical business cycle. Other strategies require a long period of time and more patience to allow the value to emerge. The time perspective of the Endowment and Pension funds is relatively long term, so the investment strategies for these portfolios can encompass strategies which take time to show the value they can add. The time perspective of the EFIP portfolio is quite short, so the suitable investment strategies are more limited.

**3. Designing and implementing an investment program** to achieve a desired level of return must incorporate a thorough **analysis of the risks** assumed, utilizing both judgment and quantitative methods. This focus must encompass not only "market" risk but also other dimensions of risk such as liquidity risk, counterparty credit risk, inflation risk, currency risk, etc. Moreover, the risk environment is not static; it changes over time and a given asset allocation necessarily will have higher risk in times when macroeconomic risk is higher.

**4. The principle of diversification** has a long and distinguished history and represents one of the key risk mitigants that should accompany any portfolio. There are many dimensions to diversification. These include making investments which span a range of asset classes, geographies, investment strategies, investment managers and individual securities. Diversification cannot protect against loss during a broad-based systemic event but it will protect against the worst outcome.

**5. An equity orientation** combined with a "**value**" style bias will create portfolios with higher levels of expected return. Over long periods, equity investments have exhibited strong performance compared to less risky assets such as bonds and cash. Equity investments are often classified as "value" or "growth". We believe that "value" oriented investments have a built-in margin of safety and thus provide superior returns over longer periods of time.

**6. An active management approach** can add value (after fees) although, at times, some markets will be relatively efficient and can be better accessed through a more **passive approach**. More specifically, we believe that active investment strategies have a greater probability of producing market outperformance in less-developed, or severely dislocated, markets. Objective consideration of alternative investment strategies and structures is also an important component of an active approach since these can provide access to unique strategies, talented investment managers and often the potential to reduce downside risk.

All of these principles, or investment beliefs, are reflected in the investment strategies that we research internally and implement through external money managers. Some of our managers oversee a passive portfolio while some focus in niches. Some use leverage and sell securities short. Some invest in Private Markets. Although many of these investment strategies differ from the traditional approach embedded in the University's Reference Portfolio benchmark, the mix of

strategies selected is designed to produce returns and risk exposures that will outperform the Reference Portfolio benchmark. As implied above, the strategies are not static, but gradually evolve over time in response to our view on the potential for each strategy as the macroeconomic and market environment changes.

## **ASSET MIX**

### **2011 Reference Portfolio Asset Mix**

The Reference Portfolio asset mix, established by the University, is shown in Table 1 below. The University will periodically review its composition as part of a general review of the macroeconomic environment, its return objectives and its risk tolerance. During 2011, the University initiated such a review.

| <b>Table 1</b>                                  |                  |
|-------------------------------------------------|------------------|
| Canadian Equity                                 | 30%              |
| US Equity                                       | 15% <sup>1</sup> |
| International Equity                            | 15% <sup>1</sup> |
| Fixed Income - Nominal Bonds                    | 35%              |
| Fixed Income - Real Return Bonds                | 5%               |
| <b>Total</b>                                    | <b>100%</b>      |
| <sup>1</sup> 50% hedged to the Canadian dollar. |                  |

### **Actual Portfolio Asset Mix**

The asset mix for the Endowment fund and the Pension fund at the end of 2011 and the end of 2010 is shown in Table 2 below. The table is consistent with that of prior years. The weights are shown on an exposure basis, which means that the asset weight includes the notional dollar value of any index futures positions used to maintain an asset class at the desired weight. The cash collateral underlying the index futures amounts are deducted in the Cash section (note: this offset is required in order to balance back to the actual portfolio values as recorded by the custodian).

This presentation is identical to that used in previous annual reports but differs somewhat from the asset allocation methodology that UTAM has recently developed and intends to use in 2012. Instead of classifying investments using a traditional asset class framework, UTAM is now classifying investments by their main risk characteristics and mapping them back to the components of the Reference Portfolio. For example, Private Investments will no longer be viewed as a separate asset class. Instead, those Private Investments that are equity-like in nature will be lumped together with other equity investments and those that are more debt-like in nature will be lumped together with other credit related investments. Next year's annual report will outline the advantages of this framework in greater detail.

| Table 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |         |         |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|---------|---------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Endowment |         | Pension |         |
| (AS AT DECEMBER 31)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2010      | 2011    | 2010    | 2011    |
| Canadian Equity <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14.6%     | 14.5%   | 14.0%   | 14.3%   |
| US Equity <sup>1,2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14.6%     | 14.3%   | 13.9%   | 14.1%   |
| International Equity <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 17.4%     | 17.2%   | 16.7%   | 16.9%   |
| Fixed Income - Nominal Bonds <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20.4%     | 20.0%   | 19.5%   | 19.8%   |
| Hedge Funds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 14.6%     | 15.4%   | 15.0%   | 14.9%   |
| Private Investments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 13.0%     | 12.8%   | 15.0%   | 13.7%   |
| Real Assets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5.6%      | 6.4%    | 6.0%    | 6.3%    |
| Cash (including notional offsets) <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0.1%     | -0.6%   | 0.0%    | -0.1%   |
| Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100.0%    | 100.0%  | 100.0%  | 100.0%  |
| Cash (actual) <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16.0%     | 13.9%   | 13.4%   | 13.8%   |
| Portfolio Value (millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$1,757   | \$1,754 | \$2,336 | \$2,504 |
| <p>1 Includes the notional dollar value of indexfutures positions which are used to maintain the asset class at approximately the desired weight. The offset to balance to the total portfolio value is included in Cash.</p> <p>2 Includes Enhanced Indexplatform holdings until June 30, 2011, when the program was suspended.</p> <p>3 Includes mark-to-market gain or loss of foreign currency hedging contracts and is net of the notional dollar amount of</p> <p>4 Includes the cash backing the notional dollar value of indexfutures (see footnotes 1 and 3).</p> |           |         |         |         |

The changes in actual asset weights from the prior year are a function of several key factors, including active decisions, cash inflows and outflows and the differing performance of various assets classes and foreign exchange rates. In light of the University's review process, no significant tactical changes in broad asset mix were made in 2011.

## **INVESTMENT PERFORMANCE**

Investment performance at its most basic level is the result of asset mix and asset class returns. Looking at broad asset class returns first, the year just ended was a challenging one for Canadian investors pursuing a traditional approach to building their portfolios. Table 3 details the performance of various public markets assets and the two major currencies for 2011 (and over the last four years). It clearly highlights the fact that investors were not rewarded for holding higher-risk public markets equities in 2011.



| Table 3                              |        |        |        |        |                 |
|--------------------------------------|--------|--------|--------|--------|-----------------|
| Public Markets Index Returns (Local) |        |        |        |        |                 |
| (Before Fees)                        |        |        |        |        |                 |
|                                      | 2008   | 2009   | 2010   | 2011   | Cum.<br>2008-11 |
| Canadian Equity (C\$)                | -33.0% | 35.1%  | 17.6%  | -8.7%  | -2.9%           |
| U. S. Equity (U\$)                   | -37.3% | 28.3%  | 16.9%  | 1.0%   | -5.0%           |
| International Equity (Local)         | -40.3% | 24.7%  | 4.8%   | -12.2% | -31.4%          |
| Fixed Income (C\$)                   | 6.4%   | 5.4%   | 6.7%   | 9.7%   | 31.3%           |
| USDCAD                               | 25.1%  | -15.1% | -5.2%  | 2.5%   | 3.2%            |
| EURCAD                               | 18.9%  | -12.3% | -11.4% | -0.8%  | -8.4%           |

Better results were available to those investors that had adopted a broader definition of asset classes and then pursued greater diversification among different types of assets within the main categories of equity and debt (i.e., made use of so-called alternative assets). While there are many indexes that are designed to track 'alternative asset' performance, most of them are not investable and thus less than ideal measures of performance. In our opinion, the actual returns (net of fees) earned on the University's actual investments in these assets and strategies (shown in Table 4 below) provide a better measure. As a comparison of these results with Table 3 above illustrates, the University's alternative investments generally outperformed passive public markets investments in 2011. Moreover, this is also the case when performance is measured over the last four years.

| Table 4                                         |        |        |       |       |                 |
|-------------------------------------------------|--------|--------|-------|-------|-----------------|
| <u>Actual</u> Alternative Asset Returns (Local) |        |        |       |       |                 |
| (After Fees)                                    |        |        |       |       |                 |
|                                                 | 2008   | 2009   | 2010  | 2011  | Cum.<br>2008-11 |
| Private Investments                             | 1.5%   | -1.2%  | 20.2% | 14.8% | 38.4%           |
| Buyout                                          | 19.9%  | -9.7%  | 25.5% | 14.9% | 56.2%           |
| Distressed                                      | -0.2%  | 15.8%  | 17.6% | 8.1%  | 47.1%           |
| Venture                                         | -7.3%  | -6.9%  | 2.4%  | 27.4% | 12.6%           |
| Real Assets                                     | -2.9%  | -18.0% | 13.1% | 9.0%  | -1.9%           |
| Real Estate & Infrastructure                    | -0.3%  | -26.2% | 15.3% | 12.5% | -4.5%           |
| Commodities                                     | -8.9%  | -0.8%  | 8.8%  | 1.8%  | 0.1%            |
| Hedge Funds                                     | -19.9% | 15.1%  | 7.4%  | 2.1%  | 1.1%            |

Table 5 below summarizes the performance of the Reference Portfolio, the Endowment fund, the Pension fund and EFIP for 2011 and the eight-year period prior to 2011 (the latter period covers the most significant period of build-up in Alternative Assets and a number of significant changes in investment strategy).

Reflecting the very difficult capital markets environment, the Endowment and Pension portfolios underperformed the University Return Target in 2011 while the fixed income focused EFIP portfolio outperformed the target. Unfortunately, none of the portfolios were able to exceed the Target Return over the prior eight years, mainly as a result of the 2008 experience.

| Table 5                                   |           |         |      |                         |         |      |
|-------------------------------------------|-----------|---------|------|-------------------------|---------|------|
|                                           | 2011      |         |      | 8 - Year<br>(2003-2010) |         |      |
|                                           | ENDOWMENT | PENSION | EFIP | ENDOWMENT               | PENSION | EFIP |
| University Target Return <sup>1</sup>     | 6.3%      | 6.3%    | 2.4% | 5.9%                    | 5.9%    | 3.6% |
| Reference Portfolio Return <sup>2,3</sup> | 0.2%      | 0.2%    | n.a. | n.a.                    | n.a.    | n.a. |
| Actual Net Return <sup>3</sup>            | 1.2%      | 1.2%    | 2.5% | 4.5%                    | 4.3%    | 3.1% |

n.a. = not applicable

1 For the Endowment and Pension portfolios, the target return is a 4% real return plus inflation (CPI). For EFIP, the target return is the 365-day Canadian T-bill Index plus 50 basis points.

2 The foreign currency hedging ratio for the Reference Portfolio is 50%. The policy hedging ratio for the Endowment and Pension portfolios was changed to 50% in 2009 - the year that the Reference Portfolio was adopted.

3 Gross return less fees and costs.

The performance of the Reference Portfolio provides a useful benchmark with respect to the difficulties faced by investment managers in 2011; total return was a modest 0.2% and well below the University's objective. Table 5 also shows that the University Pension and LTCAP portfolios each outperformed the Reference Portfolio in 2011 by approximately 1%.

| Table 6                                             |               |              |               |              |
|-----------------------------------------------------|---------------|--------------|---------------|--------------|
| 2011 Performance Attribution (%)                    |               |              |               |              |
|                                                     | LTCAP         |              | Pension       |              |
| <b>Reference Portfolio Return (Local)</b>           |               | <b>0.07%</b> |               | <b>0.07%</b> |
| Estimated Costs                                     | -0.15%        |              |               |              |
| FX Exposure (50%)                                   | 0.31%         |              |               |              |
| <b>Reference Portfolio Return (C\$)</b>             |               | <b>0.24%</b> |               | <b>0.24%</b> |
| <b>Other Factors Impacting on Actual Portfolio:</b> |               |              |               |              |
| Asset Mix Differences                               | 0.19%         |              | 0.24%         |              |
| Manager Selection                                   | 0.71%         |              | 0.73%         |              |
| Incremental FX Exposure                             | 0.18%         |              | 0.18%         |              |
| Other                                               | <u>-0.17%</u> | <b>0.91%</b> | <u>-0.24%</u> | <b>0.91%</b> |
| <b>Actual Portfolio Performance (C\$)</b>           |               | <b>1.15%</b> |               | <b>1.15%</b> |

Table 6 sets out the factors underlying the performance differences from the Reference Portfolio for these two larger University portfolios. As the table illustrates, differences in asset mix had a modestly

positive impact on returns in 2011. In this regard, the negative impact of the portfolios being underweight Fixed Income assets (compared to the Reference Portfolio) was more than offset by the positive contribution of the overweight in Private Investments and the underweight position in Canadian Equity. Manager selection was a sizeable positive contributor to the performance of both portfolios (mainly hedge fund and Canadian small cap equity managers).

In contrast to 2010, the higher level of non-Canadian assets in the LTCAP and Pension portfolios and the policy of hedging less than 100% of the currency exposure contributed to performance.

As previously noted, the University set the target return for EFIP as the 365-day Canadian T-bill Index return plus 50 basis points. There is no Reference Portfolio for EFIP and there is also no multi-year performance assessment. The target is essentially a relatively stable, always positive, return with minimal risk and liquidity being the overriding requirements.

The average asset mix and 2011 investment performance for EFIP are summarized in Table 7 below. At the end of 2011, the EFIP portfolio had a market value of \$1,006 million (2010: \$909 million).

| Table 7                                                              |                                          |                  |
|----------------------------------------------------------------------|------------------------------------------|------------------|
|                                                                      | Asset Mix<br>(2011 AVERAGE) <sup>1</sup> | Actual<br>Return |
| Cash                                                                 | 60.8%                                    | 1.1%             |
| Short-Term Bonds                                                     | 29.3%                                    | 3.7%             |
| Medium-Term Bonds                                                    | 7.7%                                     | 10.6%            |
| Hedge Funds (USD)                                                    | 2.2%                                     | -2.1%            |
| Currency Hedge Overlay <sup>2</sup>                                  | n.a                                      | 0.0%             |
| Total                                                                | 100%                                     | 2.5%             |
| 1 Weights are based on the average of monthly weights.               |                                          |                  |
| 2 Foreign currency exposures are 100% hedged to the Canadian dollar. |                                          |                  |

EFIP generated a net return of 2.5% in 2011, or 12 basis points above the 2.4% University target return. The primary reason for the out-performance was the allocation to better performing longer duration assets. Hedge fund positions have been in the process of being liquidated and at year-end amounted to 0.5% of the portfolio.

## **RISK MANAGEMENT**

The University establishes the risk target for each portfolio. For the LTCAP and Pension portfolios, the risk tolerance was specified as a 10% annual standard deviation of nominal returns over a rolling ten-year period. The standard deviation of returns is a commonly used risk statistic in the investment industry (albeit an incomplete one). For EFIP, the risk target is stated as minimal risk tolerance and high liquidity but there is no quantitative specification.

UTAM attempts to evaluate and control key sources of risk through a number of actions. At the total portfolio level, we have implemented extensive modeling to assist us in better understanding the portfolio results of various asset mix alternatives in many different scenarios.

Manager selection is an important source of risk control. In our sourcing and review process for considering all new managers for the portfolios, we not only assess a manager's past performance and investment methods, but also conduct thorough operational due diligence on their organization and

operational processes. This analysis is performed by UTAM staff, generally with the assistance of external advisors. Our work in this area will continue to evolve as we pursue improvements to processes and practices.

During 2011, we began the process of implementing a position-based risk analysis system. While this process entails considerable effort, it is UTAM's belief that the addition of this analytical tool will facilitate more informed discussion regarding the actual risk exposures in the portfolios and better plans for dealing with future periods of market stress.

### **Portfolio Volatility Levels Versus the University Risk Tolerance**

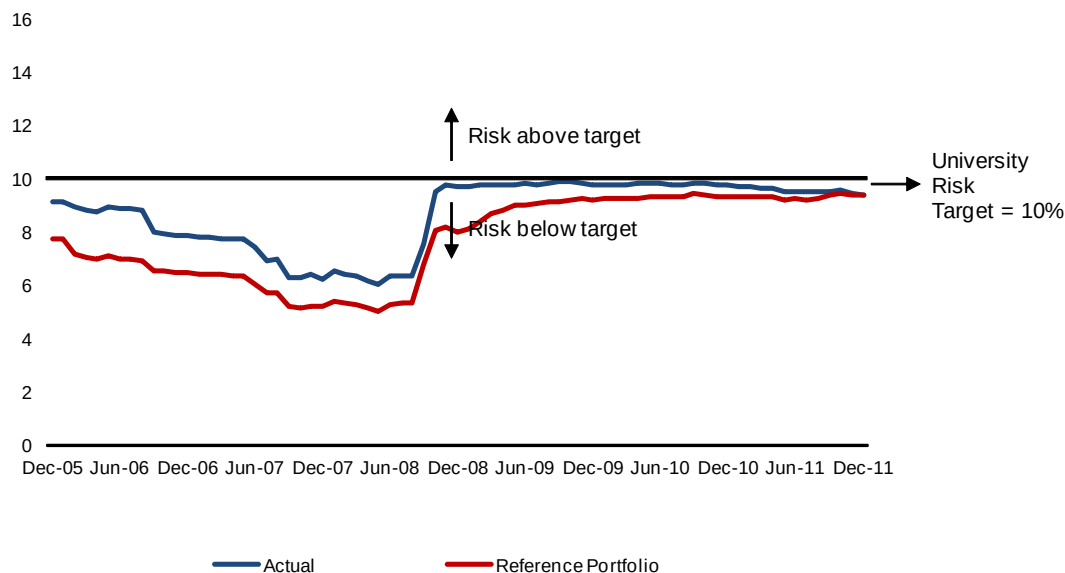
Exhibit 1 (below) shows one risk measure for the portfolios, based on the rolling 60-month volatility of returns (i.e. standard deviation) in relation to the University's 10% risk target (as noted previously, this target has been revised for 2012). The exhibit also shows the Reference Portfolio risk on a comparable measurement basis. The calculation of actual risk excluded Private Investments and Real Assets until performance measurement started in January 2007 (they are included in actual risk results since then). These investments were at modest invested levels prior to 2007. As such, there would be little impact on risk for prior years.

## PORTFOLIO VOLATILITY LEVELS OVER TIME<sup>(1)</sup>

**Exhibit 1**

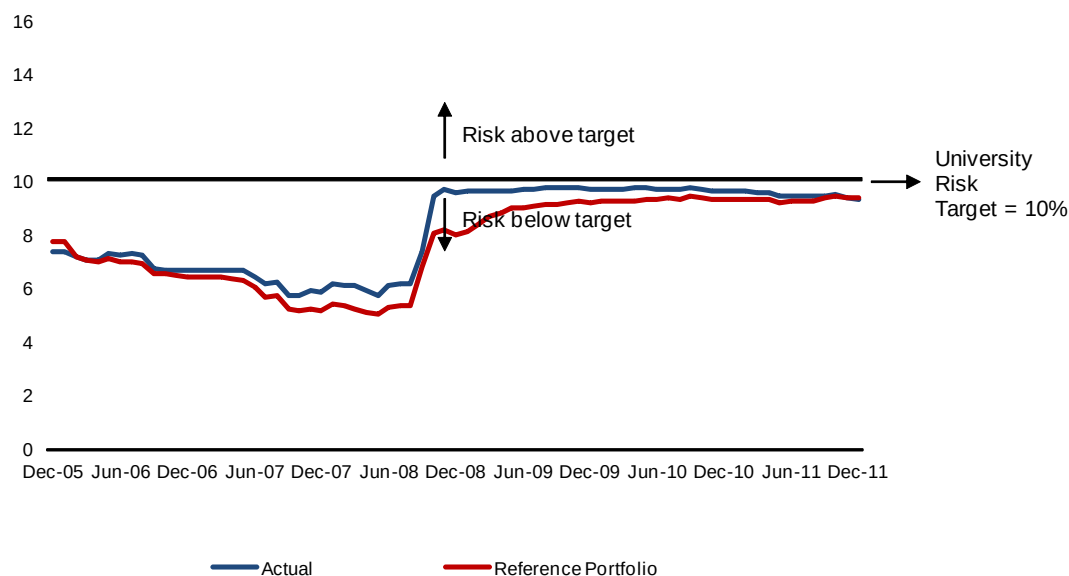
### Endowment

Standard Deviation (%)



### Pension

Standard Deviation (%)



(1) Rolling 60-month standard deviation of returns. Includes private investments and real assets starting in January 2007.

Measured on this basis, risk within the portfolios was equal to that of the Reference Portfolio and moderately below the University's ten-year rolling risk target at the end of 2011. Nevertheless this measure of risk is backward looking. As previous comments should make evident, we are very mindful of the many dimensions of risk and attempt to consider the risk profile of the portfolios versus the University target from a broader perspective. A number of changes that we have made to the portfolios over the past two years have been designed to contain volatility and other risk measures.

Unlike the Endowment and Pension portfolios, EFIP has a low tolerance for risk and no quantitative risk target. The EFIP investments are predominantly a well diversified set of Government bonds and high quality corporate paper, mostly with shorter terms to maturity. These are the primary means of controlling risk for such a short-term oriented portfolio.

## **MARKET OUTLOOK**

On the surface, the world would appear to be a much safer place. Stock markets are buoyant, economic indicators appear healthier and the European debt problem seems to have eased. However, it is hard to ignore the fact that the global economy continues to grapple with several major challenges: overly indebted developed economies, a flawed Euro-zone framework, distortions caused by negative real interest rates, uncertainties regarding slowing China growth and the continued potential for systemic risk in the financial system, to mention a few. These issues are unlikely to be resolved quickly and, as a result, we continue to believe that the recovery will remain bumpy and generally less vigorous than usual. Moreover, there is an increasing likelihood that the global economy will experience shorter business cycles than has been the case over the last 30-years.

Despite more positive short term indicators, it is hard to believe that developed economies' growth will not remain challenged by the need to unwind the massive fiscal and monetary stimulus previously injected, by demographic shifts and by the need for private sector deleveraging. While developing economies remain better positioned for continued growth, the road ahead is unlikely to be smooth due to the need to transition these economies to a greater reliance on internal demand and the impact of many developed markets commercial banks retreating to their home markets as a result of constrained capital ratios.

This economic backdrop combined with valuation levels that are clearly not compelling suggests that investors should retain flexibility and be prepared for another year of macro-driven volatility. In other words, expect more of the same.

We were clearly offside with respect to our view on interest rates last year. However, we see no reason to change our longer term outlook. North American government bonds continue to embody quite low 'real' interest rate levels and low risk premiums with respect to future inflation potential. Over the next several years, government bonds are more likely to generate returns that are about one third of those experienced over the last decade and perhaps something less on a shorter term basis.

As we have pointed out several times, equity markets declined sharply during the recent financial crisis, but never became undervalued to the degree experienced in prior periods of crisis. Dividend yields are still low relative to history and earnings growth is likely to be constrained by both the economic profile described above and profit margins that are likely to soften somewhat. Clearly valuations are being helped by the low level of interest rates and recent central bank liquidity injections. However, the most probable scenario remains a range bound equity market with prices today likely closer to the upper end of the range.

As we suggested last year, the environment is likely to prove challenging for those expecting that portfolios comprised of traditional assets and strategies will deliver returns matching their current expectations. We hope our concerns are misplaced but the process of global rebalancing is not a simple, or a short lived one, and we can't dismiss easily the potential that 2012, like 2011, will again provide a rocky ride.

## **AUDITORS' REPORT**

[insert to come]

## **FINANCIAL STATEMENTS**

**Balance Sheet** [insert to come]

**Statement of Operations and Change in Net Assets** [insert to come]

**Notes to Financial Statements** [insert to come]

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