







### Business Board Terms of Reference with Respect to UTAM

- Approval of Delegation of Authority to UTAM
- Approval of the investment policies for University funds and pension funds
- Authorize President or designate responsibility to negotiate an investment management agreement between the University and UTAM and to prepare a Pension Statement of Investment Policies and Procedures (SIP&P)
- Receipt of reports on investment performance

#### **University Investment Policies**

- University Funds Investment Policy
- Pension Fund Master Trust Investment Policy
- Long Term Capital Appreciation Policy
- Policy for the Preservation of Capital of Endowment Funds

UTA		rd of Director	S
		f June 30, 2008)	
	Ira Gluskin - -	· Chair · Independent	
	Robert W. Morrison -	Vice Chair Independent	
	Sheila Brown -	Administration Representative	
с	atherine A. Delaney -	Independent	
	William E. Hewitt -	Independent	
		Chair, Audit & Compliance Committee	
	Florence R. Minz -	Governing Council Member	
	William W. Moriarty -	UTAM President & CEO	
	Catherine J. Riggall -	Administration Representative	
T		Chair, Compensation Committee     Independent	
	Bonita Then -	Independent	
	John Varghese -	Independent	
	Neil H. Dobbs -	Secretary to the Board	7













## Return Expectations & Risk Tolerances

	Return Objective	Risk Target
PENSION FUND	4% real over a 10 year period	annual std. dev. of 10% or less over 10 year period
ENDOWMENT FUNDS	4% real over a 10 year period	annual std. dev. of 10% or less over 10 year period
EFIP	1 year T-bill return plus 50bp	Minimum risk























#### Capital Market Assumptions 10-year Horizon

	Canadian	U.S.	FAFF	Canadian	Absolute	Private	Real		Canadian	Global	Global	US	Emerging
	Equity	Equity	Equity	Bonds	Return	Equity	Estate	Commodities	RRB's	RRB's	Bonds	Bonds	Markets
	. ,												Equity
Expected Return <sup>1</sup>	6.50%	7.50%	6.50%	5.00%	6.00%	11.00%	6.00%	7.50%	5.00%	6.00%	6.00%	4.50%	12.50%
Standard Deviation	20.00%	18.00%	18.00%	5.50%	5.00%	25.00%	13.00%	25.00%	5.00%	5.00%	6.50%	6.50%	30.00%
					COR	RELAT	<u>IONS</u>						
Canadian Equity	1												
U.S. Equity	0.75	1											
EAFE Equity	0.7	0.75	1										
Canadian Fixed Income	0.05	0.05	0.05	1									
Absolute Return	0.55	0.6	0.55	0.3	1								
Private Equity	0.65	0.65	0.65	0.2	0.25	1							
Real Estate	0.2	0.25	0.2	0.05	0.15	0.1	1						
Commodities	0.3	0	0	0	0.1	0	0	1					
Canadian RRB's	0.1	0.05	0	0.4	0.1	0.05	0	0.15	1				
Global RRB's	-0.1	-0.2	-0.3	0.6	0	0.1	0	0.1	0.6	1			
Global Bonds	-0.25	-0.2	-0.2	0.7	-0.1	-0.1	0.05	0	0.1	0.6	1		
U.S. Bonds	-0.1	0.05	-0.2	0.7	-0.1	-0.1	0.05	0	0.1	0.6	0.6	1	
Emerging Markets Equity	0.8	0.7	0.6	0	0.5	0.55	0.1	0.2	0	0	0.05	-0.2	1



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	Policy Mix	Near Term Target	Tactical Target
Public Equity			
Canadian	10%	14.2%	12.2%
U.S.	15%	21.4%	19.4%
International	15%	21.4%	19.4%
Private Equity	15%	8.7%	8.7%
Total Equity	55%	65.7%	59.7%
Canadian Fixed Income	15%	21.4%	21.4%
Absolute Return	15%	8.5%	8.5%
Real Assets	15%	4.5%	4.5%
	0%	0.0%	6.0%
Cash			





































#### Investment Performance Key Reference Points

- UTAM regularly evaluates investment performance against 3 key reference points (Endowment and Pension):
  - University Target Return at total portfolio level
    - 4% net real return
    - Absolute value orientation (i.e. always positive)
    - Best suited to longer term, multi-year periods for assessment
  - Market Benchmark Return at asset class and total portfolio level
    - o Unique to each asset class; weighted roll-up to total portfolio
    - Relative value orientation (i.e. benchmark moves with the market)

47

48

o Suitable for short-term and longer term assessment periods

Investment Performance Key Reference Points

- Peer Universe Rank at asset class and total portfolio level
  - Composition problems are common (e.g. implicitly assumes all participants have same risk tolerance)
  - Measurement problems are common (e.g. not all participants provide returns on same basis or end-date)
  - Suitable for short-term and longer term assessment periods, but with a 'grain of salt' perspective, given shortcomings







Investment	Perf	orma	nce -	200	7 Resu	ılts
Performance	Versus	Peer Uni	verse (pe	ercentile	rank *)	
	1-year	2-year	3-year	4-year	5-year	
Endowment Pension	1 1	2 4	7 8	6 6	8 9	
<ul> <li>Top decile ranking ove universe</li> </ul>	er all 1-ye	ar throug	h 5-year	periods ir	n Canadian I	beer
<ul> <li>3<sup>rd</sup>/12<sup>th</sup> percentile for 5 Endowments)</li> </ul>	-year/1-y	vear perio	ds in NA	CUBO su	rvey (+700	
* RBC Dexia Balanced Fund Universe fo	r periods ending	) December 31, 2	2007.			
						52



CDN EQUITIES	<b>2007</b> 9.83	<b>Q1/08</b> -2.84	<b>Q2/08</b> 9.09	Q3 QTD -15.05
(TSX Composite) US EQUITIES	5.14	-9.52	-1.69	-4.79
(R3000 U\$) INT'L EQUITIES <sup>1</sup>	3.75	-15.57	-1.54	-1.19
(MSCI EAFE Net C\$ Hedged) EM EQUITIES	36.48	-11.32	-1.58	-27.83
(MSCI EM U\$) COMMODITIES	32.67	9.92	28.67	-32.24
(GSCI U\$) HEDGE FUNDS <sup>1</sup>	7.55	-2.76	1.59	-2.04
(HFRI Conservative U\$) DEX UNIVERSE	3 68	2.96	-0.72	1.82
(Dex Universe)				
TBILLS (Dex 91-day Tbills)	4.43	1.23	0.55	0.66
CURRENCIES				
US DOLLAR	-15.19	3.96	-1.12	5.72
EURO YEN	-6.17	12.59 16.35	-1.25	-5.31 6.54
	-9.66 -14.13	4.12	-6.77 -0.64	-5.76



# Summary of Performance and Comparison to Benchmarks (as at June 30, 2008)

.40% -4.53% .42% 2.99%	-5.55%	6.47%	7.01%	7.64%	9.78%
			7.01%	7.64%	9 78%
42% 2.99%					
	6.17%	5.97%	6.13%	6.12%	6.04%
.08% -3.63%	-3.37%	6.79%	7.62%	8.18%	10.08%
.81% -7.52%	-11.72%	0.50%	0.88%	1.52%	3.74%
.32% -0.90%	-2.19%	-0.32%	-0.62%	-0.54%	-0.31%
.47% -4.73%	-5.91%	6.37%	6.64%	7.68%	9.35%
.42% 2.99%	6.17%	5.97%	6.13%	6.12%	6.04%
.18% -3.85%	-3.69%	6.57%	7.19%	8.17%	9.49%
.89% -7.72%	-12.08%	0.40%	0.51%	1.56%	3.31%
.29% -0.88%	-2.22%	-0.20%	-0.55%	-0.49%	-0.14%
.12% 1.81%	3.90%	4.81%	3.93%	4.24%	4.07%
.10% 2.42%	5.69%	5.14%	4.36%	4.15%	4.04%
.98% -0.61%	-1.78%	-0.33%	-0.42%	0.10%	0.03%
	81%         -7.52%           -0.90%         -0.90%           47%         4.73%           42%         2.99%           18%         -3.85%           98%         -7.25%           29%         -0.88%           12%         1.81%           10%         2.42%	81%         -7.52%         -11.72%           32%         -0.90%         -2.19%           47%         -4.73%         -5.91%           42%         2.99%         6.17%           18%         -3.85%         -3.69%           99%         -7.72%         -12.08%           29%         -0.88%         -2.22%           12%         1.81%         3.90%           10%         2.42%         5.69%	81%         -7.52%         -11.72%         0.50%           32%         -0.90%         -2.19%         -0.32%           47%         -4.73%         -5.91%         6.37%           42%         2.99%         6.17%         5.97%           18%         -3.85%         -3.69%         6.57%           99%         -7.72%         +12.08%         0.40%           29%         -0.88%         -2.22%         -0.20%           12%         1.81%         3.90%         4.81%           10%         2.42%         5.69%         5.14%	81%         -7.52%         -11.72%         0.50%         0.88%           32%         -0.90%         -2.19%         -0.32%         -0.62%           47%         -4.73%         -5.91%         6.37%         6.64%           42%         2.99%         6.17%         5.97%         6.13%           18%         -3.85%         -3.69%         0.57%         7.19%           99%         -7.72%         -12.08%         0.40%         0.51%           29%         -0.88%         -2.22%         -0.20%         -0.55%           12%         1.81%         3.90%         4.81%         3.93%           10%         2.42%         5.69%         5.14%         4.36%	81%         -7.52%         -11.72%         0.50%         0.88%         1.52%           32%         -0.90%         -2.19%         -0.32%         -0.62%         -0.54%           47%         -4.73%         -5.91%         6.37%         6.64%         7.68%           42%         2.99%         6.17%         5.97%         6.13%         6.12%           18%         -3.85%         -3.69%         0.57%         7.19%         8.17%           29%         -0.28%         -2.22%         0.20%         -0.55%         -0.49%           12%         1.81%         3.90%         4.81%         3.93%         4.24%           10%         2.42%         5.69%         5.14%         4.36%         4.15%

#### **Current Investment Environment**

- Third longest bull market in history has clearly ended
- The economic slowdown is global; decoupling was a myth
- Inflationary expectations are abating for the time being
- The U.S. deleveraging cycle is well advanced but not over
- The credit cycle is completing the first of three phases

57

58



- A major reassessment of risk premiums is underway
- Liquidity is at a premium
- Equity market valuations have improved considerably but general conditions not yet attractive enough to cause an end to the bear market
- Increased volatility and indiscriminate selling are creating opportunities
- Patience is required

"The Chinese use two brushstrokes to write the word crisis. One brushstroke stands for danger; the other for opportunity. In a crisis, be aware of the danger ---but recognize the opportunity."

> John F. Kennedy April 12, 1959

> > 59

