North Dakota State Investment Board Update



Legislative Joint Appropriations Committee Meeting January 7, 2009 Steve Cochrane, NDRIO



Let's Start with the Fun Stuff!



Tiger Woods loses GM Buick endorsement deal



Utah's basketball attendance is down 16 percent from last season

Reality - Let's Start with the Fun Stuff!



Honda quits Formula 1 Racing



Arena Football League suspends 2009 operations

Let's Start with the Fun Stuff!



Orange Bowl tickets for \$11



NFL cuts 14% of workforce

Reality - Let's Start with the Fun Stuff!



NBA cuts 9% of workforce



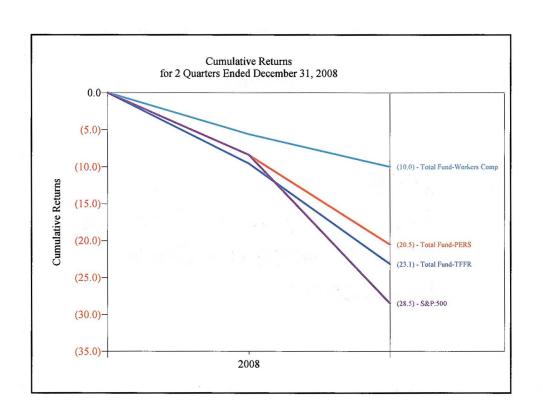
Fly fishing is down 20%

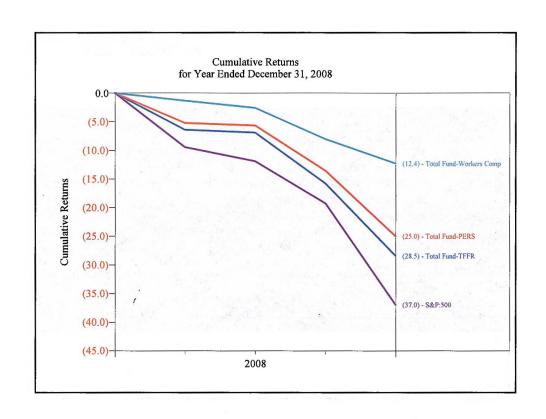
Reality

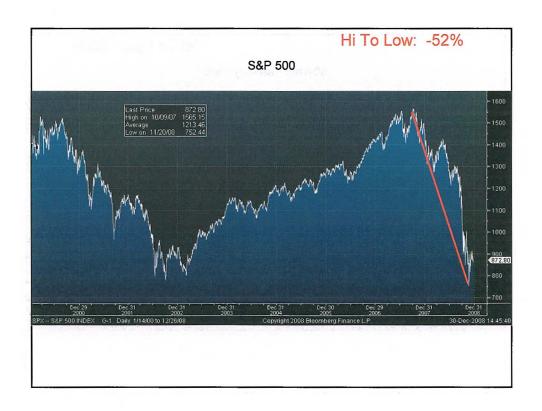
2008:

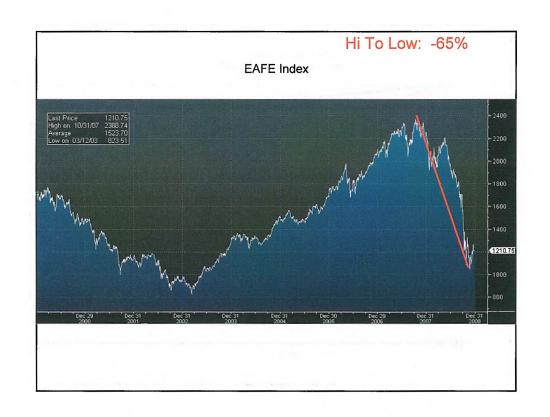
The worst year for financial markets since the Great Depression

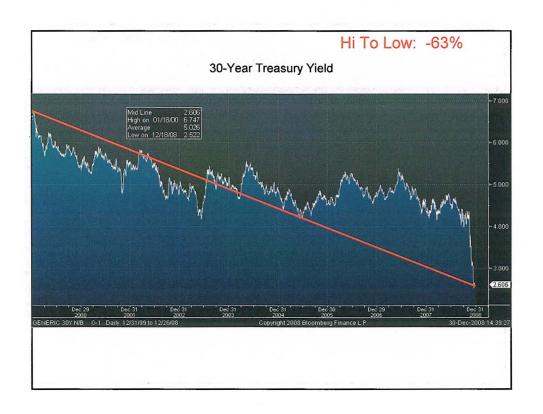
Reality	
rveanty	/
Dollar losses 2009 FYTD (estimate thru December 31, 2008):	% Decline
TFFR \$432,761,909	(23.1%)
PERS \$371,147,462	(20.5%)
WSI / \$143,618,470	(10.0%)
S&P 500	(28.5%)



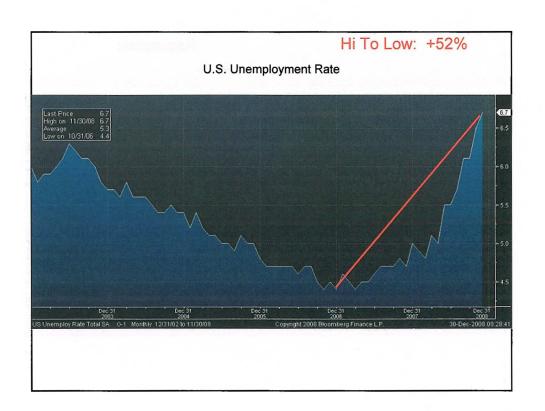


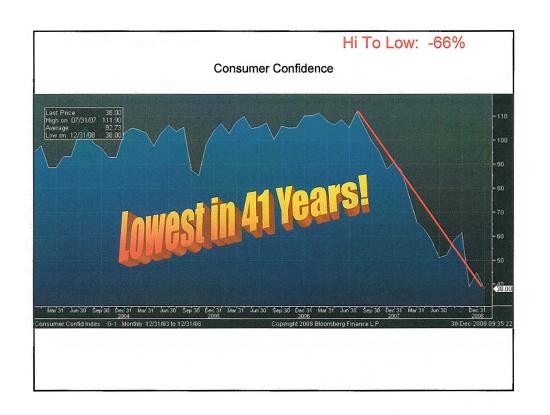


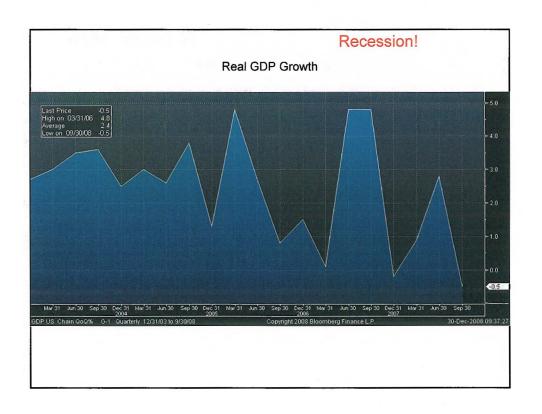


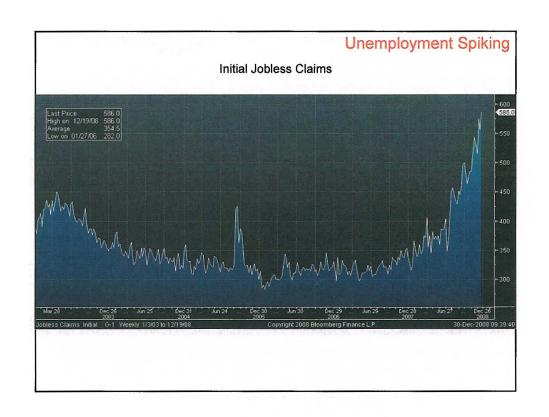


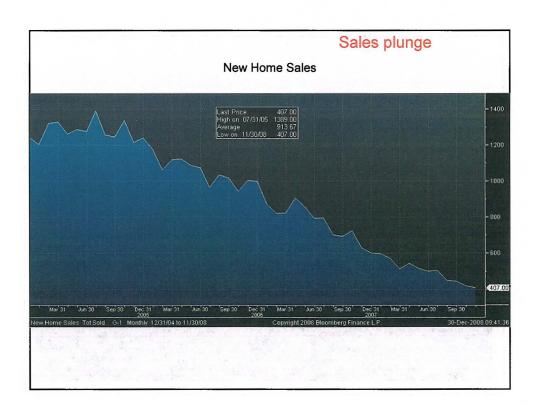


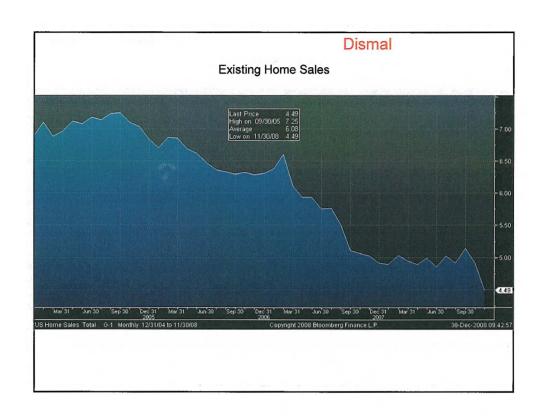


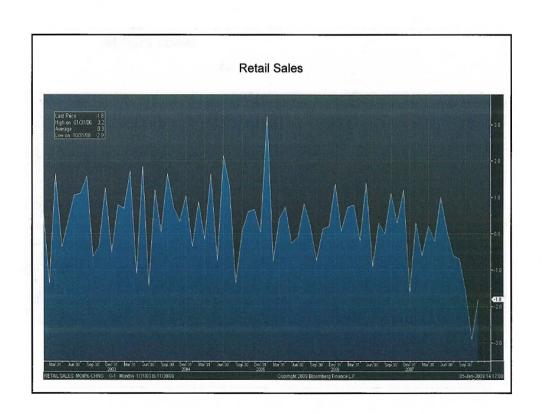


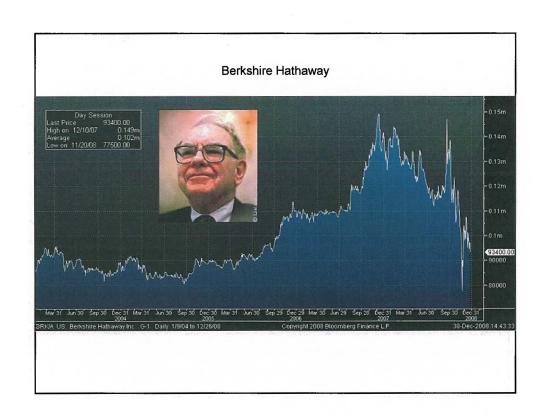


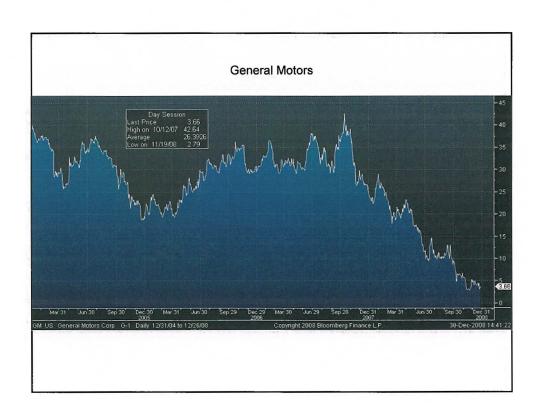


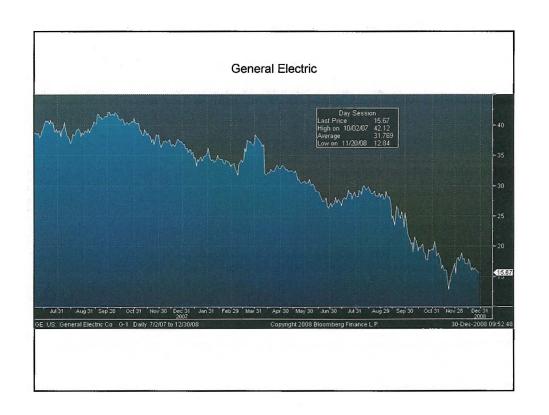


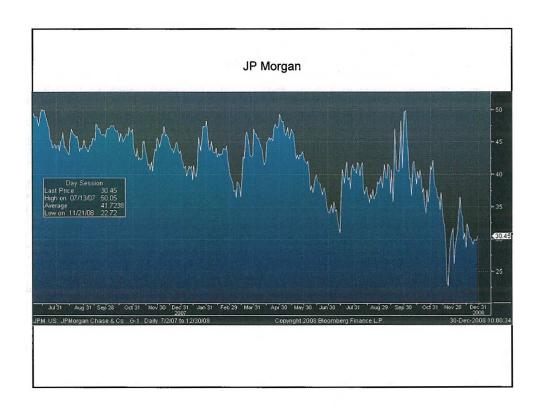


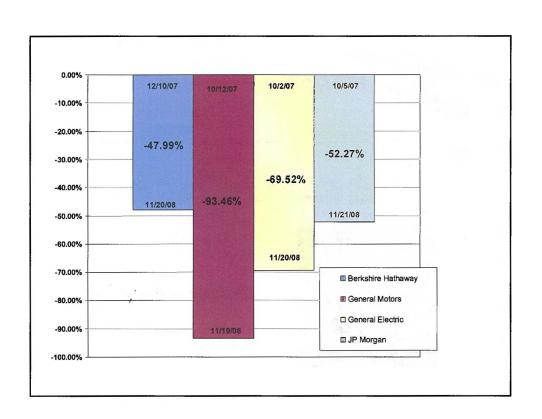












Talk About Volatile!

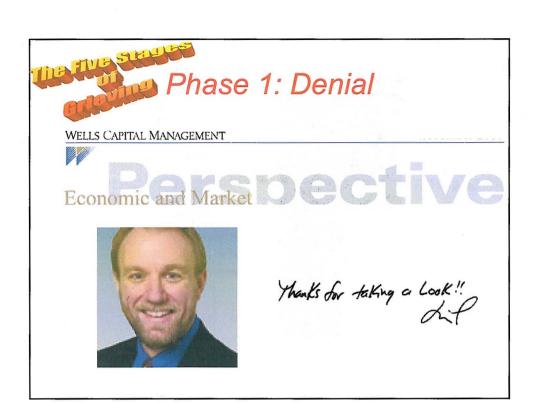
One-Day Price Change

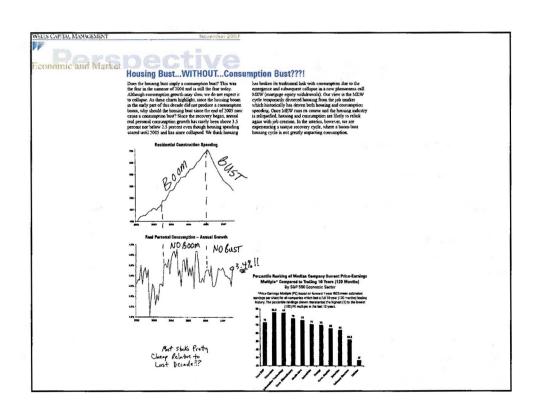
Jan 1, 2003 - Dec 15, 2008

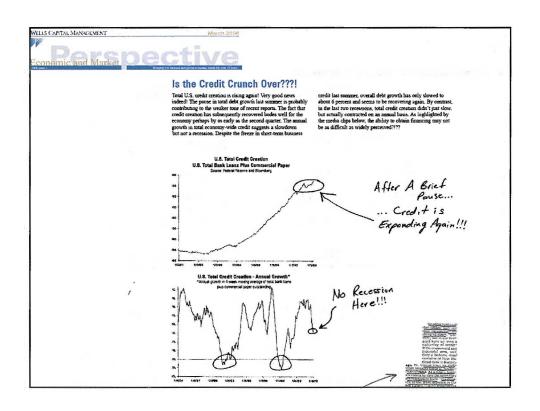
Measure	2008	2007	2006	2005	2004	2003
>1% or <-1%	129	65	29	30	41	82
>2% or <-2%	68	17	2	0	0	15
>3% or <-3%	40	1	0	0	0	4
>4% or <-4%	27	0	0	0	0	0
>5% or >-5%	15	0	0	0	0	0

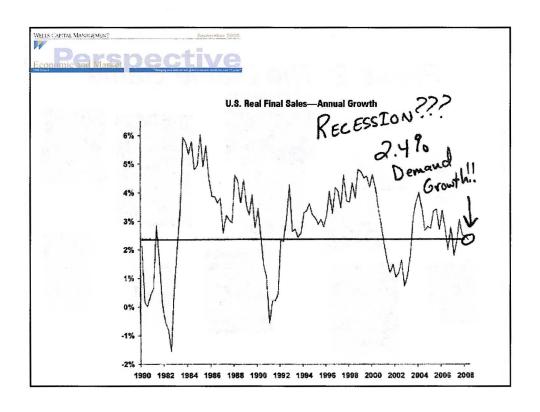
Sources: Dimensional Fund Advisors, S&P

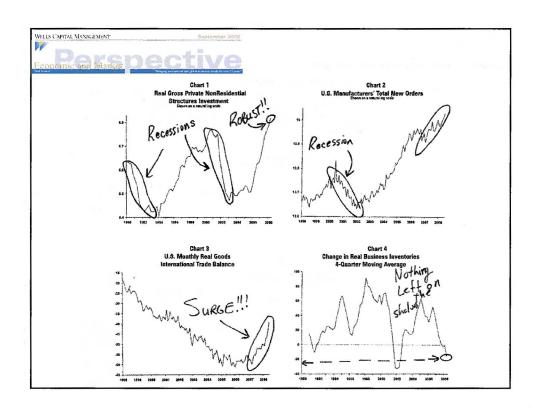
Note: Data points are counted in all applicable ranges. For example, the 27 instances in 2008 of return variance between +4 and -4% are also counted in the preceding three rows.

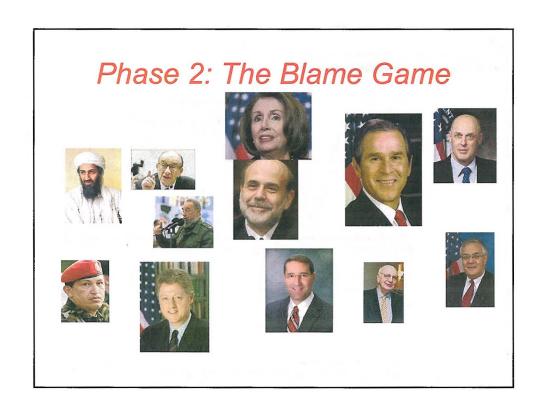
















The Out of Town Experts?



CALLAN ASSOCIATES.



GRS Gabriel Roeder Smith & Company
Consultants & Actuaries



Madoff With the Money



- •New Mexico Educational Retirement Board, Santa Fe
- Massachusetts Mutual

BARCLAYS

- Massachusetts Mutual Life Insurance
- · Swiss Reinsurance Co
- Man Group PLC

NYU Yeshiva University Tufts

\$24 million \$110 million \$20 million

•\$41 million by the Fairfield (Conn.) Town Retirement Fund. The \$233 million plan had 17.6%, or \$41 million,

invested as of Nov. 30 in the MAXAM Absolute Return Fund, managed by Madoff Investment Securities.







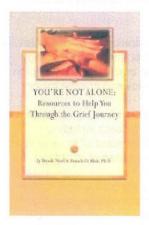




Today's Usual Suspects

- · Too much borrowing
- Too much leverage / securitization
- Poor loan quality
- Lax regulation
- Asset pricing bubbles
- Recessionary economic cycle
- Extreme fear and uncertainty
- Credit markets are virtually frozen

Phase 3: Finding Common Ground



Officials say Retirement System still working

Dec 04, 2008 - 04:06:01 CST By CHET BROKAW Associated Press Writer



FORT PIERRE, S.D. - The South Dakota Retirement System fund has lost about \$1.8 billion, or more than a quarter of its value, since July 1 because of the recession, but it can deal with the problems because it was in good financial shape before the economy went bad, officials said Wednesday.

"This system can weather some difficult times," consultant Paul Schrader said at a joint meeting of a legislative committee and the Retirement System's Board of Trustees.

State Investment Officer Matt Clark said the Retirement System has lost as much as 30 percent since July 1 because of falling stock prices and declining values of real estate and other assets held by the system.

Florida pension fund staying with investment strategy

Florida pension fund will be "staying the course" Forbes 12.09.08

The State Board of Administration, chaired by Gov. Charlie Crist, approved minor investment strategy changes for Florida's public employee pension plan Tuesday after consultants advised against major revisions.

That's even though the pension fund, which covers state and local government retirees including teachers, has lost nearly 30 percent of its peak value due to the worldwide financial market meltdown. It's now just below \$100 billion.

Crist and other officials say the plan is built for the long haul and has fared no worse than most big investors and better than some major Wall Street indicators. "We're staying the course," said Ash Williams, the board's executive director.



In the wake of 31 percent decline, CalPERS keeps focus on long-term

State public worker pension fund takes big hit San Francisco Chronicle December 8, 2008

The market downturn has walloped the nation's largest pension fund.

The California Public Employees' Retirement System portfolio has lost 31.1 percent of its value since peaking last fall, a staggering \$81.4 billion drop. CalPERS officials say a "rainy day fund" is helping to defray the losses - for now. But if the market slump continues, they will hit up state and local employers for more money. That's a painful prospect as California struggles through a fiscal emergency and municipalities cope with the foreclosure crisis and economic downturn. The good news for the 1.6 million CalPERS retirees, workers and family members is that their pension benefits are guaranteed.



Kansas Public's assets down 30%

By Timothy Inklebarger

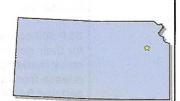
Posted: December 3, 2008, 3:22 PM ET

Kansas Public Employees Retirement System, Topeka, lost almost 30% of its value in just over a year, but benefit payments are safe, according to CIO Robert "Vince" Smith.

The fund is down to \$10.1 billion as of Oct. 31 from a high of \$14.4 billion on Sept. 30, 2007, Mr. Smith said.

Retirement system officials testified Tuesday before the Kansas Legislature's Joint Committee on Pensions, Investments and Benefits.

"These returns are driven by the downdraft in the equity markets," he said. "We're just in the same boat as everybody else."



Yale Predicts 25% Loss in Endowment Article published on December 18, 2008

Yale University estimates that its endowment has dropped 25% in the four months to Oct. 31. The school says the endowment is now about \$17 billion, down from \$22.9 billion on June 30, the end of its last fiscal year. So reports the *New York Times*.

Harvard's endowment fell 22% in the same period and is predicted to drop as much as 30% for the full fiscal year, the *Times* reports.

Yale has been the best performing endowment over the past decade, with Harvard close on its heels. Swensen expanded into alternative investments – a strategy copied by other funds – which brought the endowment 16.3%-average annualized returns. Harvard's average was 13.8%.

S&P 500 plans may see record underfunding

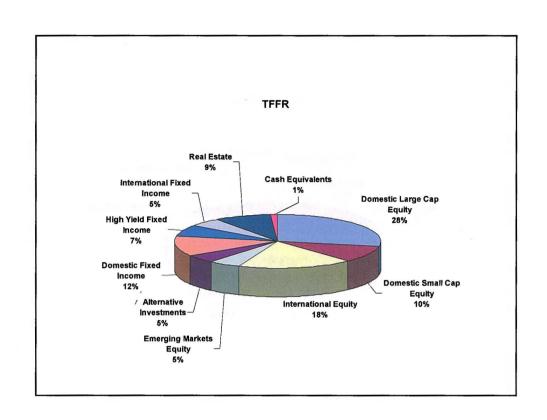
By Jennifer Byrd

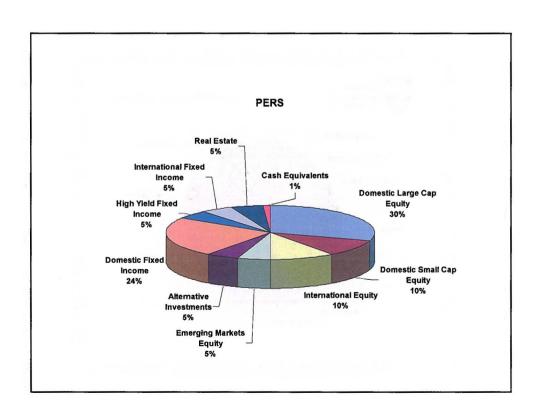
Posted: December 23, 2008, 1:48 PM ET

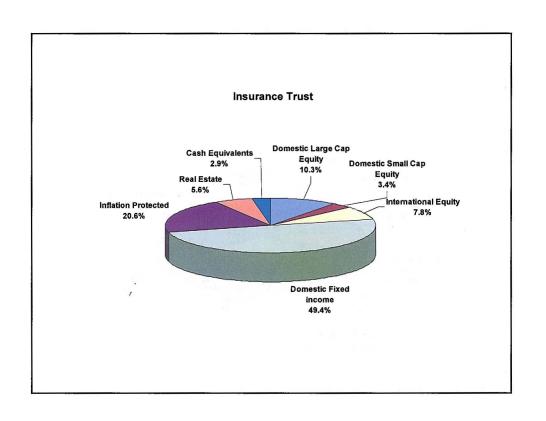
S&P 500 companies could see record underfunding for their defined benefit plans in 2008 because of poor stock market performance, according to a news release from Standard & Poor's. The companies' pension funds will be underfunded on an aggregate basis by \$257 billion.

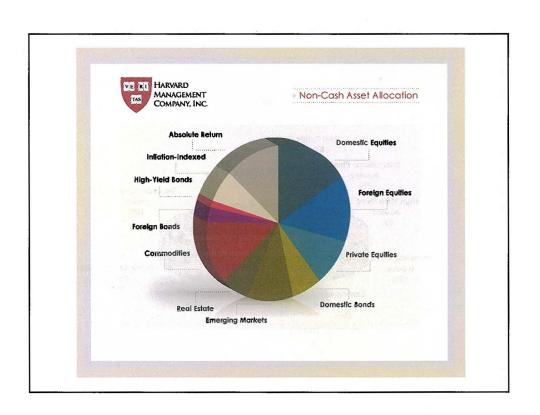
The plans were overfunded by \$63.4 billion in 2007, the first surplus year since 2001.

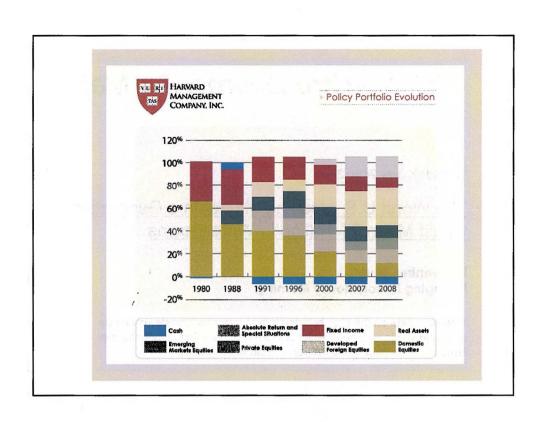
"Massive losses in the equity markets will require companies to either sell assets at their depressed levels, or shore up assets with significant cash infusions," Howard Silverblatt, senior index analyst and author of the research, said in the release.

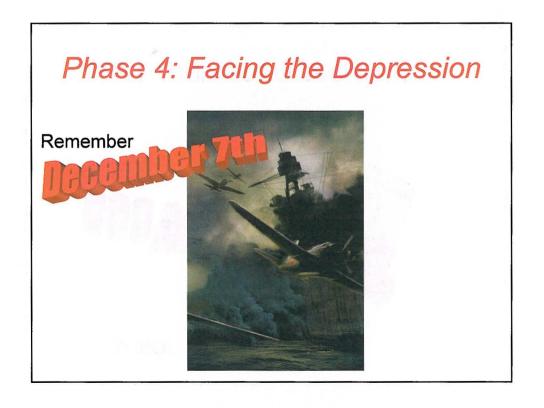












Bill, You are Depressing Me!

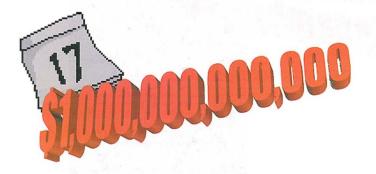
Thursday, July 24th, 2008

The Worst U.S. Housing Market in a Generation Could Mean \$1 Trillion in Write-Downs

By Jennifer Yousfi Managing Editor, Money Morning

Troubling data on the U.S. housing industry released yesterday lends weight to iconic income investor Bill Gross' theory that global financial firms will eventually see \$1 trillion in total write-downs.

Remember December 17th?



(That's TRILLION!!!)

World Stocks Down 47%

Bloomberg.com



October 2007

World Equity Market Capitalization \$60 Trillion



Mid December 2008

World Equity Market Capitalization \$32 Trillion

Global Equity Loss

\$28 Trillion

