

# **America's Lost Decade of Growth: What Happened and Where Do We Go From Here**

**Fisher Center for Real Estate & Urban Economics  
32<sup>nd</sup> Annual Real Estate & Economics Symposium**

**November 23, 2009**

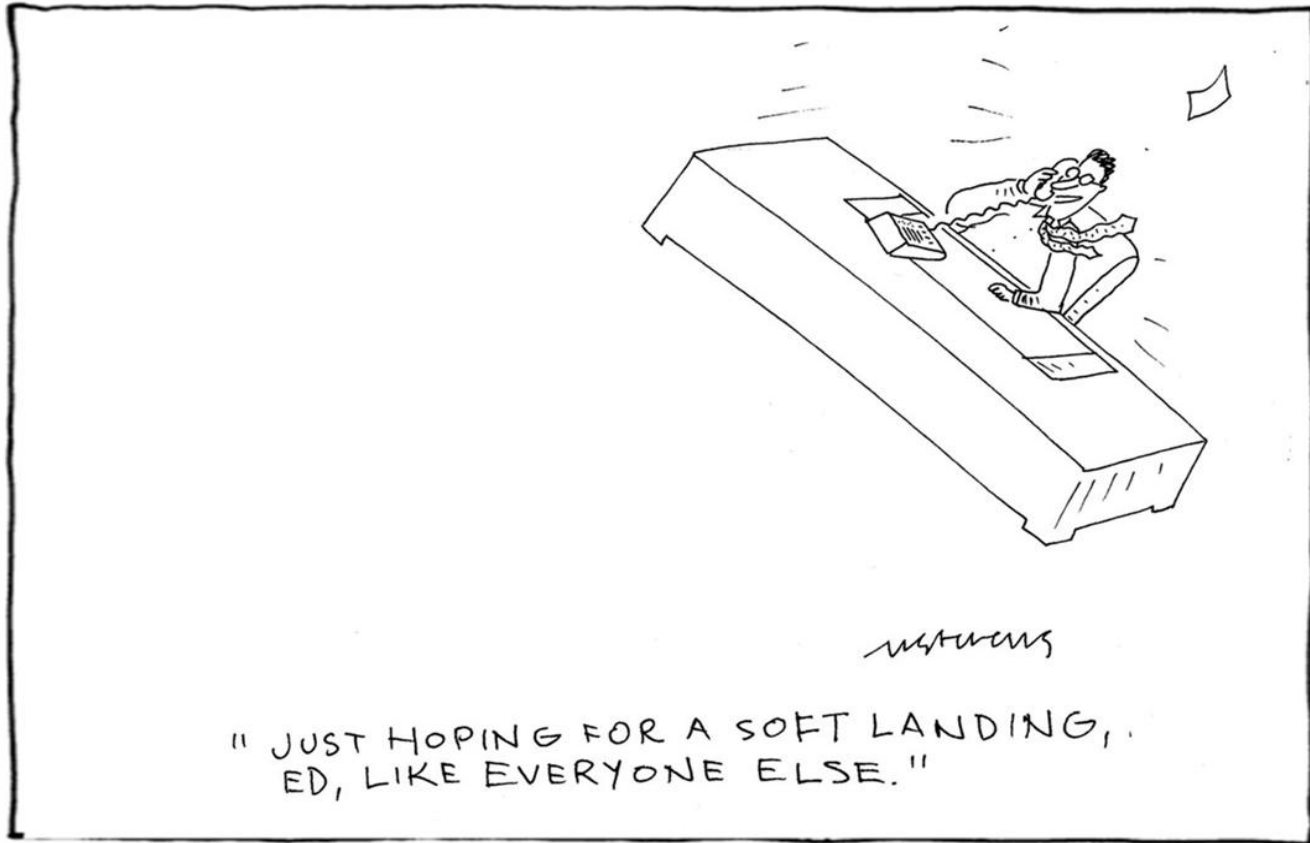
**Presented By**

**Douglas M. Poutasse  
Executive Director  
NCREIF**

[dpoutasse@ncreif.org](mailto:dpoutasse@ncreif.org)

# Real Estate 2007: “Any Landing You Walk Away From Is A Good Landing”

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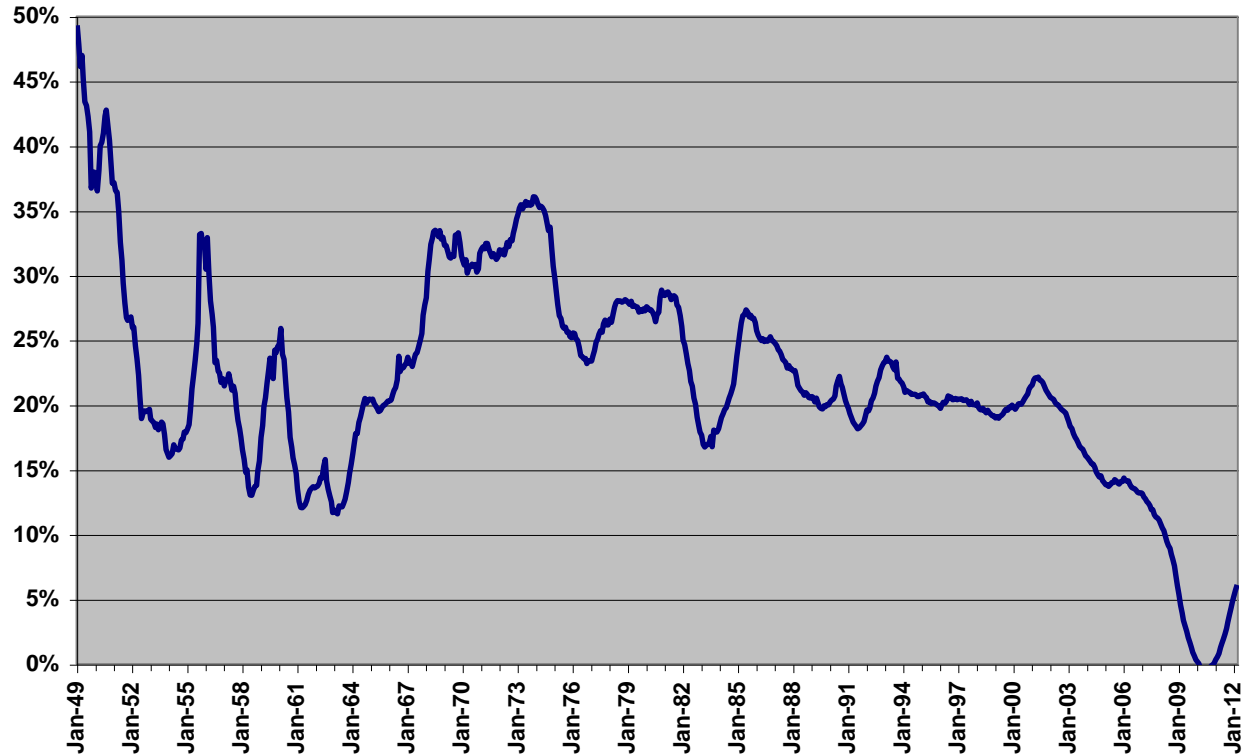
# Real Estate 2008: Risk is B A C K!



# The Lost Decade of Growth

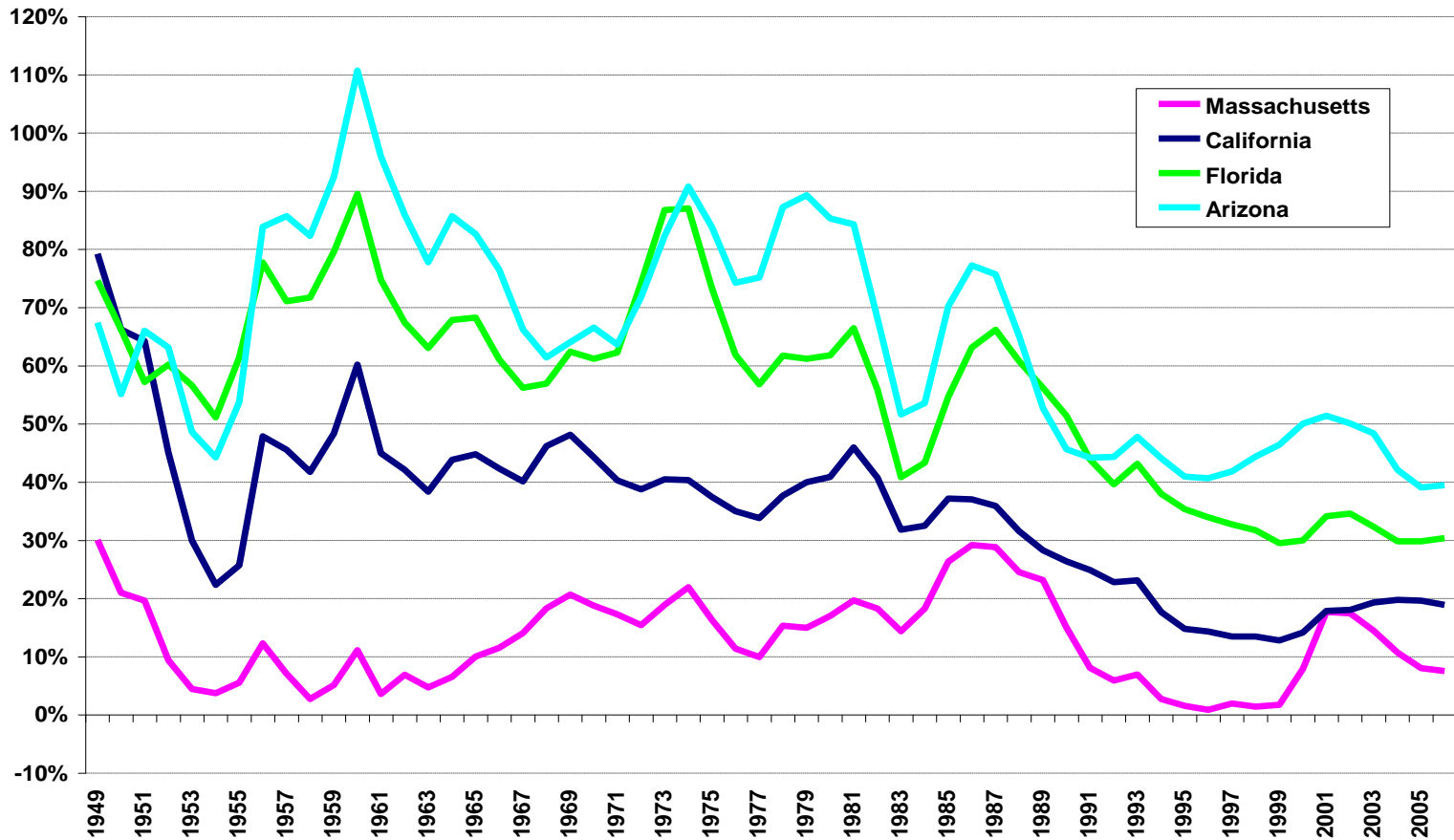
Decade	Job Growth (millions)	% Change
1940s	11.927	38%
1950s	10.744	25%
1960s	16.902	31%
1970s	19.624	28%
1980s	18.351	20%
1990s	21.630	20%
2000s	0.200	0%

10 Year Job Growth



# The Lost Decade of Growth by State

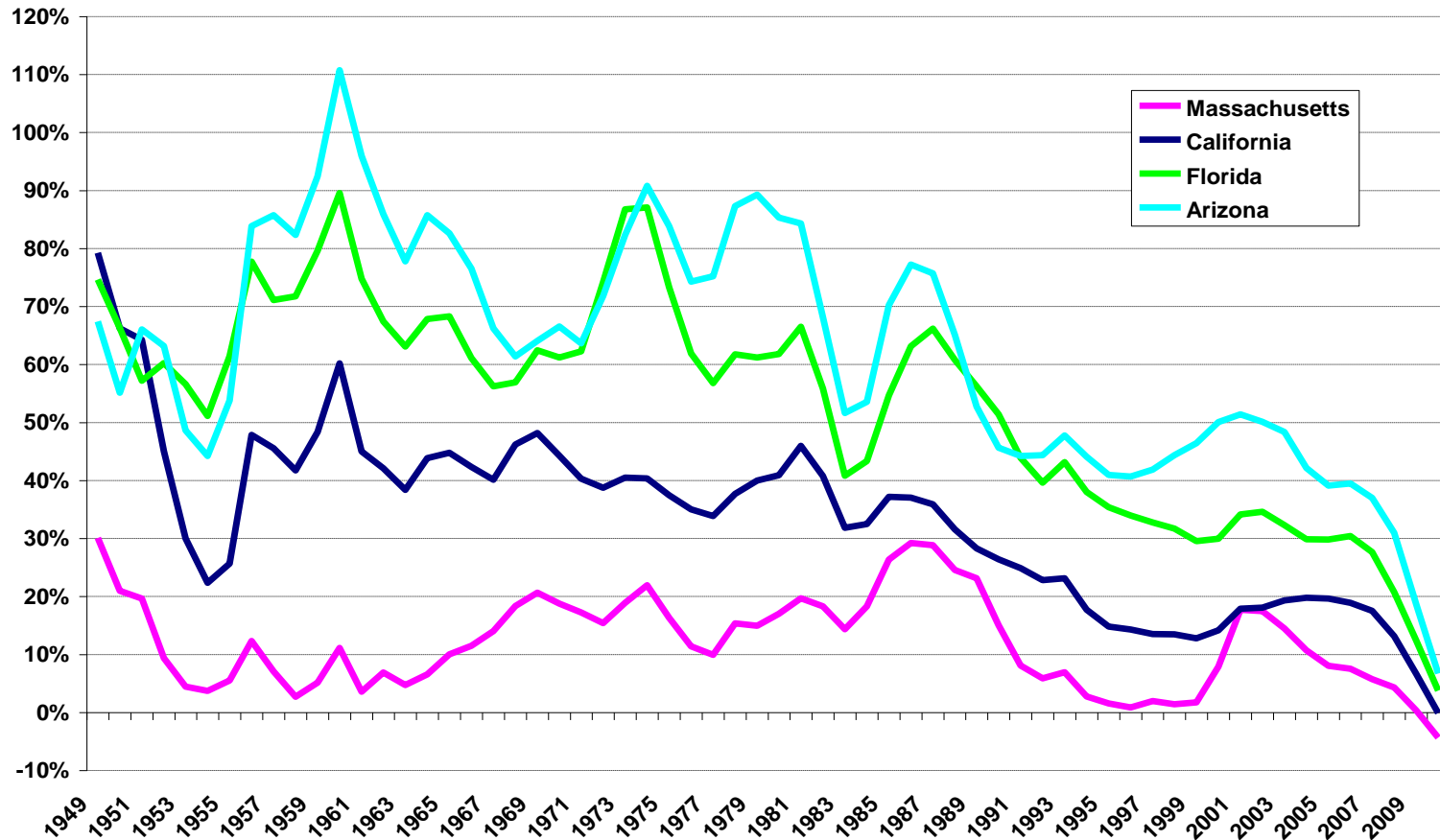
State Total Employment  
10 Year Growth Rates (January to January)



Source: BLS

# The Lost Decade of Growth by State

State Total Employment  
10 Year Growth Rates (January to January)



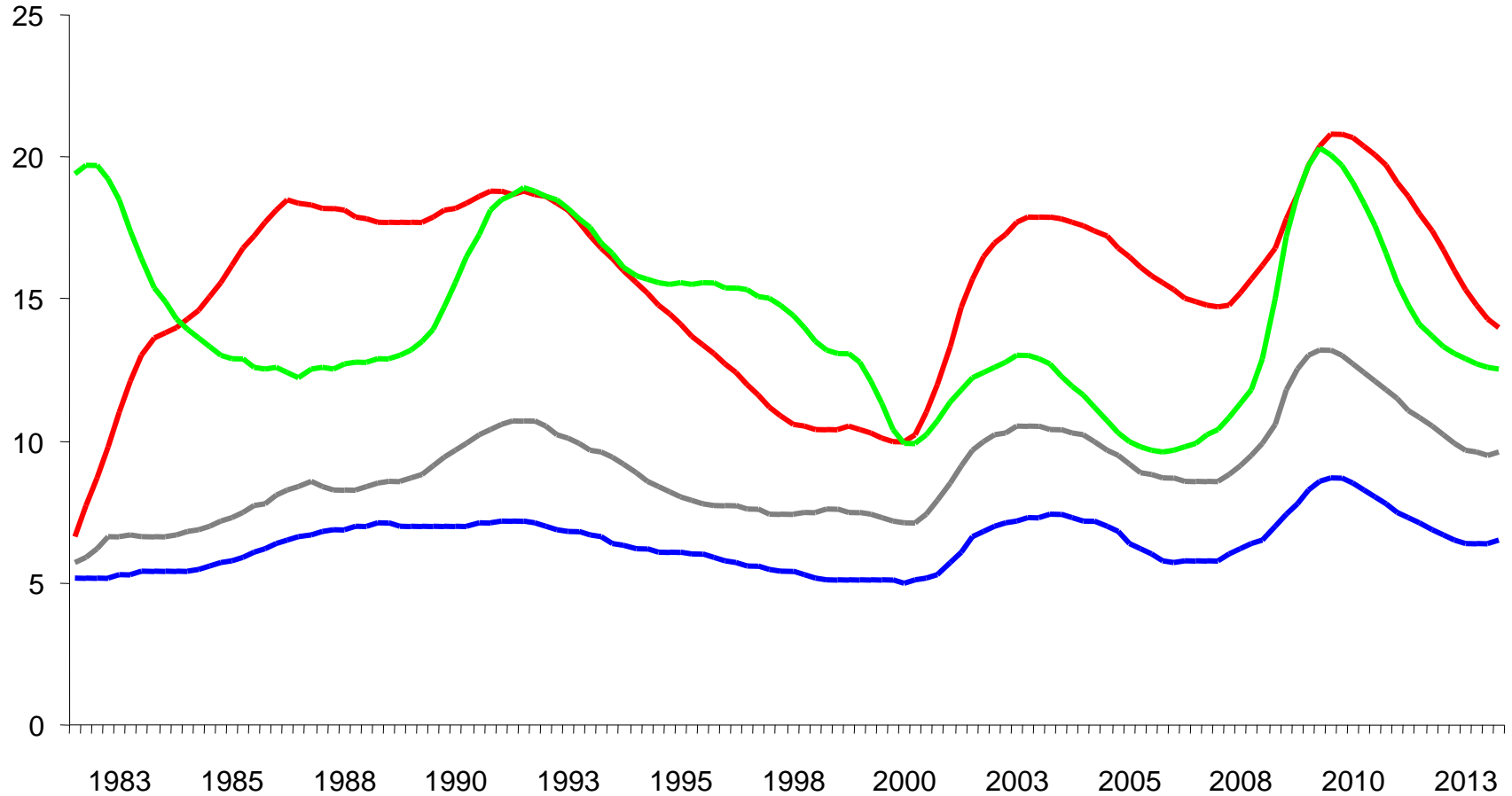
Source: BLS, NCREIF Projection

# Nowhere to Hide from Record High Vacancies

Vacancy Rates

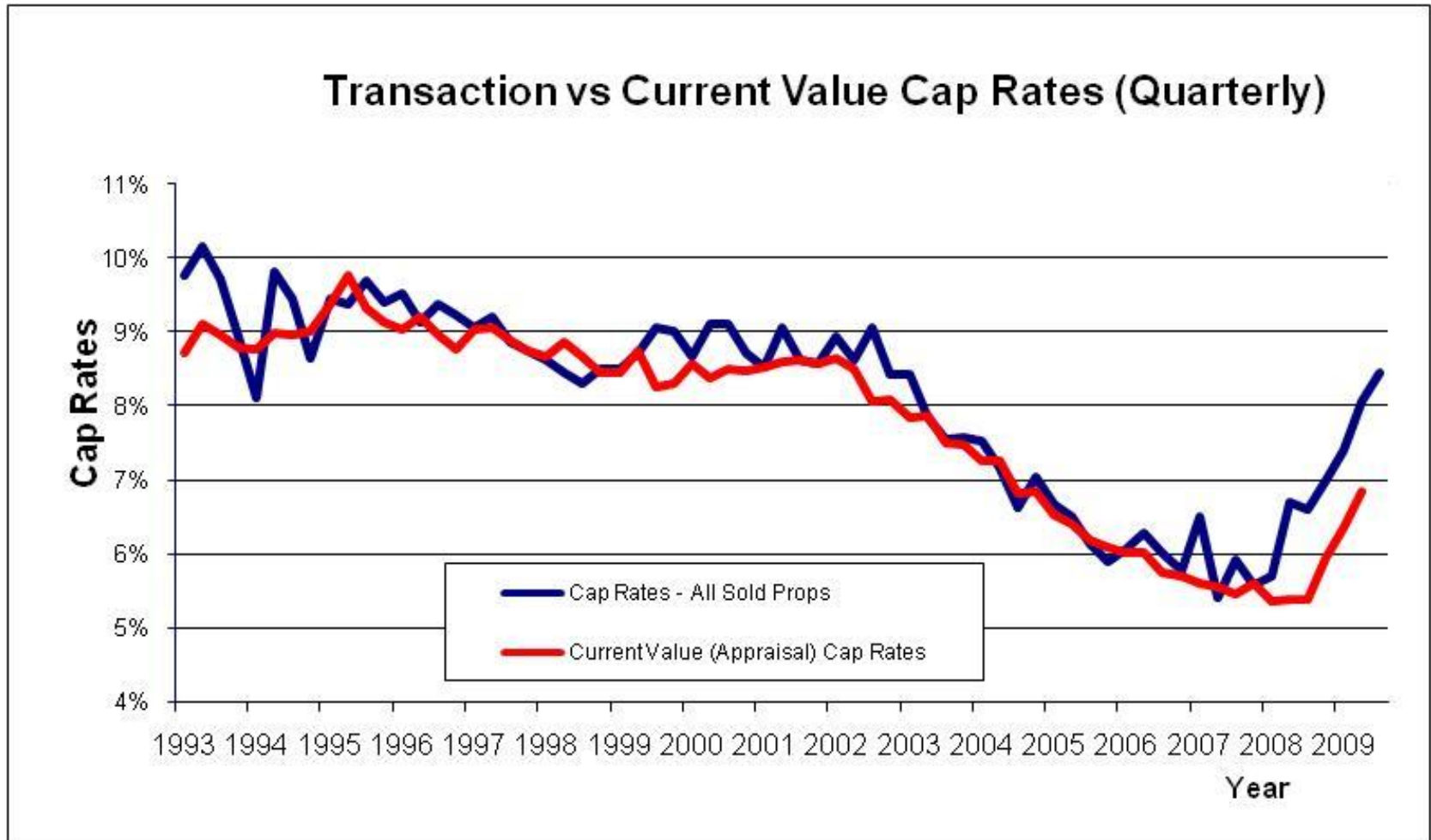
Vacancy Rate

— Apartment — Office — Retail — Warehouse

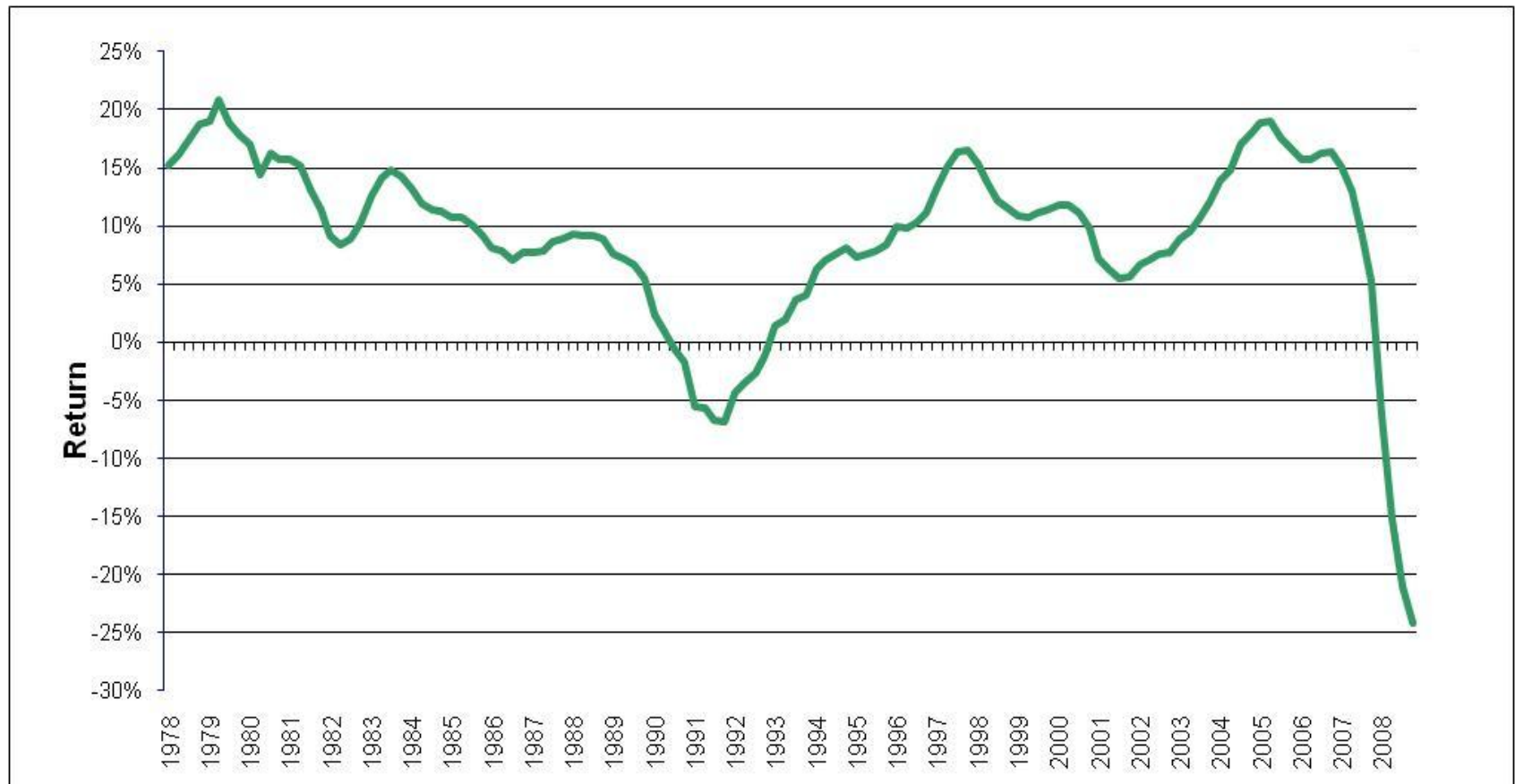


Source: PPR's Deep Recession Fast Recovery Scenario, March 2009

# NCREIF Property Index Cap Rates (Quarterly)



# NCREIF Property Index Total Return (4 Quarter Rolling)



# What to Expect for NOI Growth

The economy is worse in this cycle and the property markets will be weaker

Must assume that NOI declines will be greater

## PEAK-TO-TROUGH DECLINE IN PROPERTY NOI

	EARLY 1990s	EARLY 2000s	To 2009Q3
APARTMENTS	(10%)	(13%)	(3%)
INDUSTRIAL	(11%)	(14%)	(10%)
OFFICE	(20%)	(16%)	(4%)
RETAIL	(5%)	(3%)	(9%)
<b>TOTAL</b>	<b>(12%)</b>	<b>(12%)</b>	<b>(4%)</b>

# Impact of NOI and Cap Rate Changes on Value



"I told you we should have sold last winter."

POTENTIAL NOI DECLINE	CAP RATE INCREASE FROM NCREIF 2008 Q4 LEVEL OF 5.5% (BASIS POINTS)						
	25	50	75	100	150	200	250
(15%)	(19%)	(22%)	(25%)	(28%)	(33%)	(38%)	(42%)
(10%)	(14%)	(18%)	(21%)	(24%)	(29%)	(34%)	(38%)
(5%)	(9%)	(13%)	(16%)	(20%)	(25%)	(30%)	(35%)
(0%)	(4%)	(8%)	(12%)	(15%)	(21%)	(27%)	(31%)

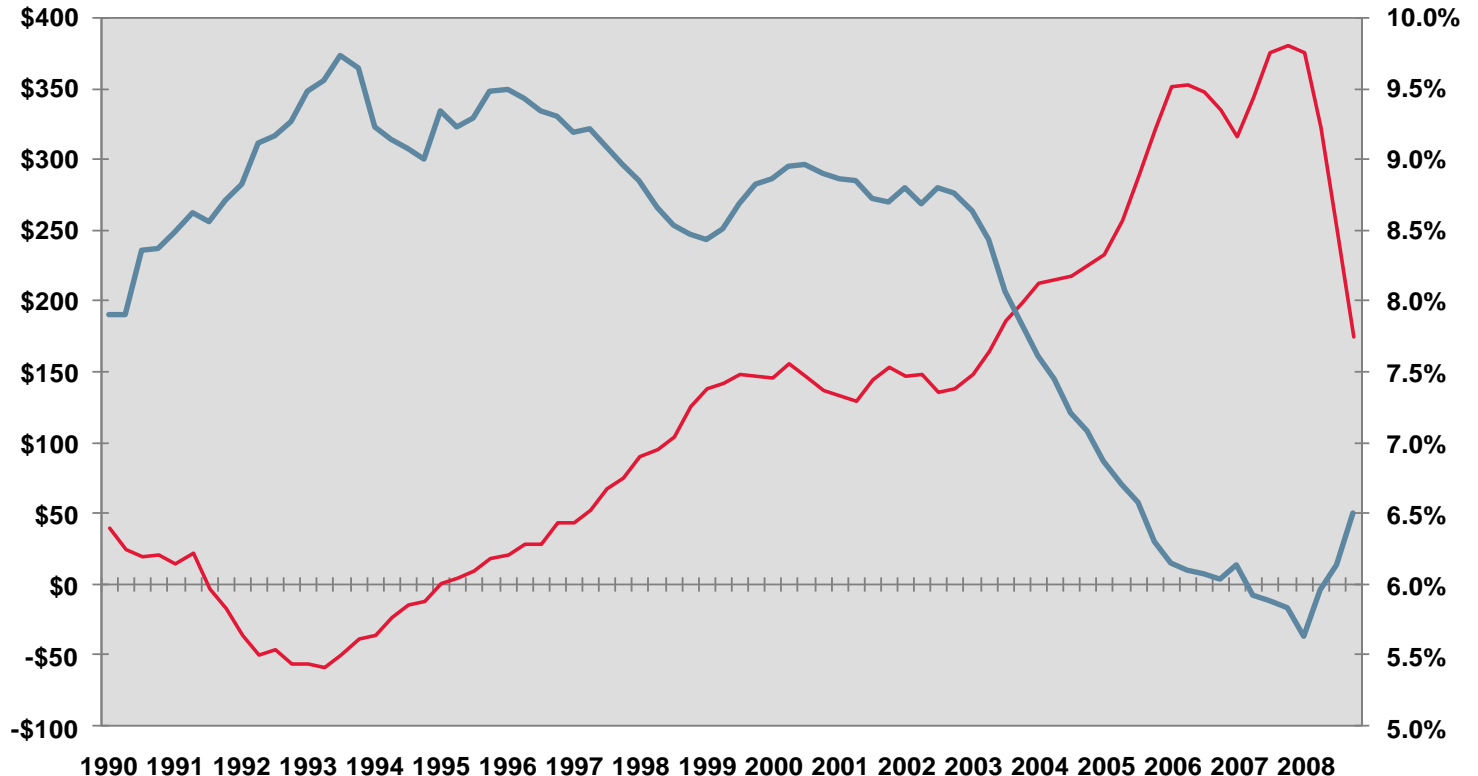
# Debt Drives Real Estate Pricing

Capital flows drive pricing

Availability more important than cost

More debt = lower yields

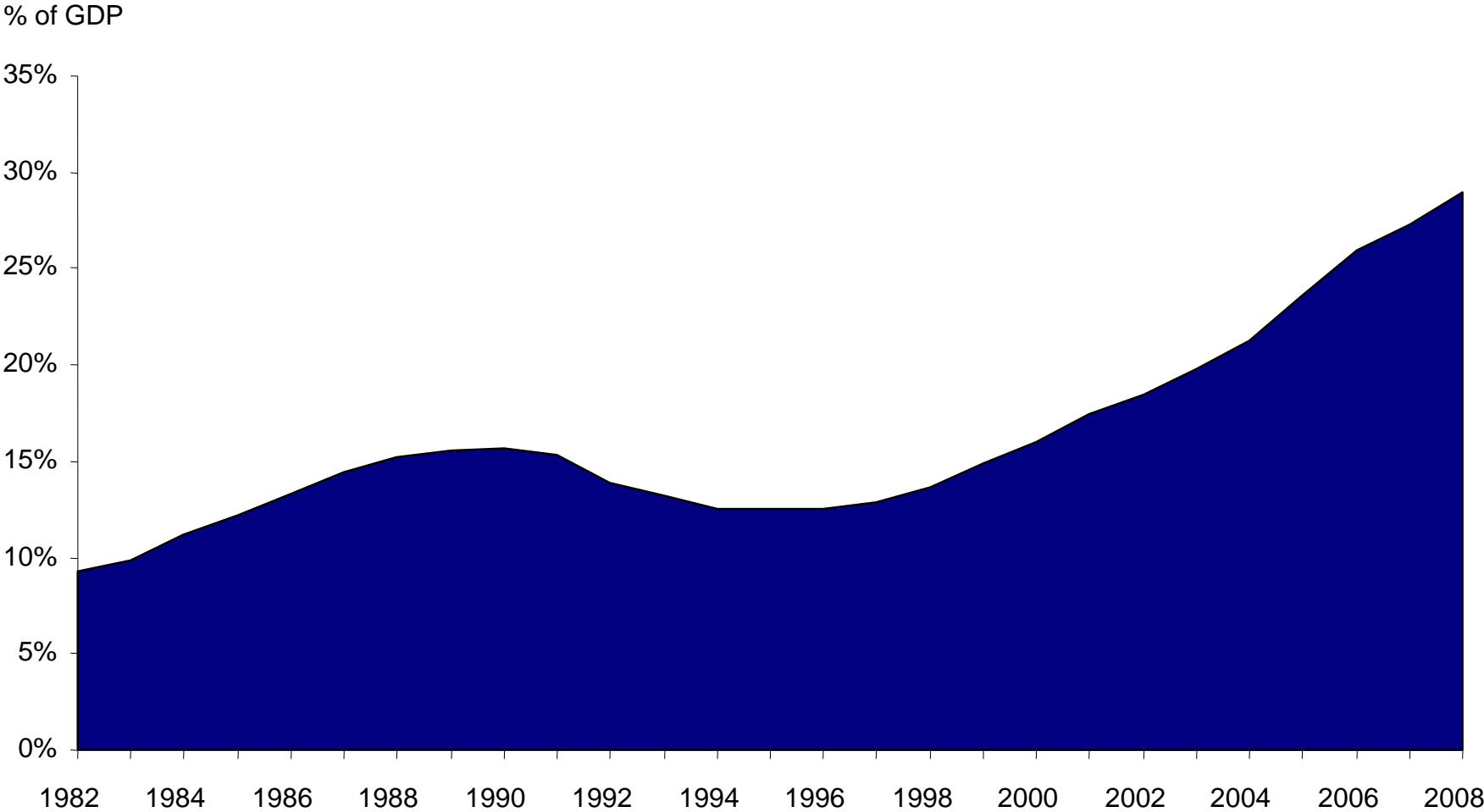
**FOUR QUARTER MOVING AVERAGE OF DEBT FLOWS AND CAP RATES**



As of 2008Q4  
Source: Federal Reserve, NCREIF

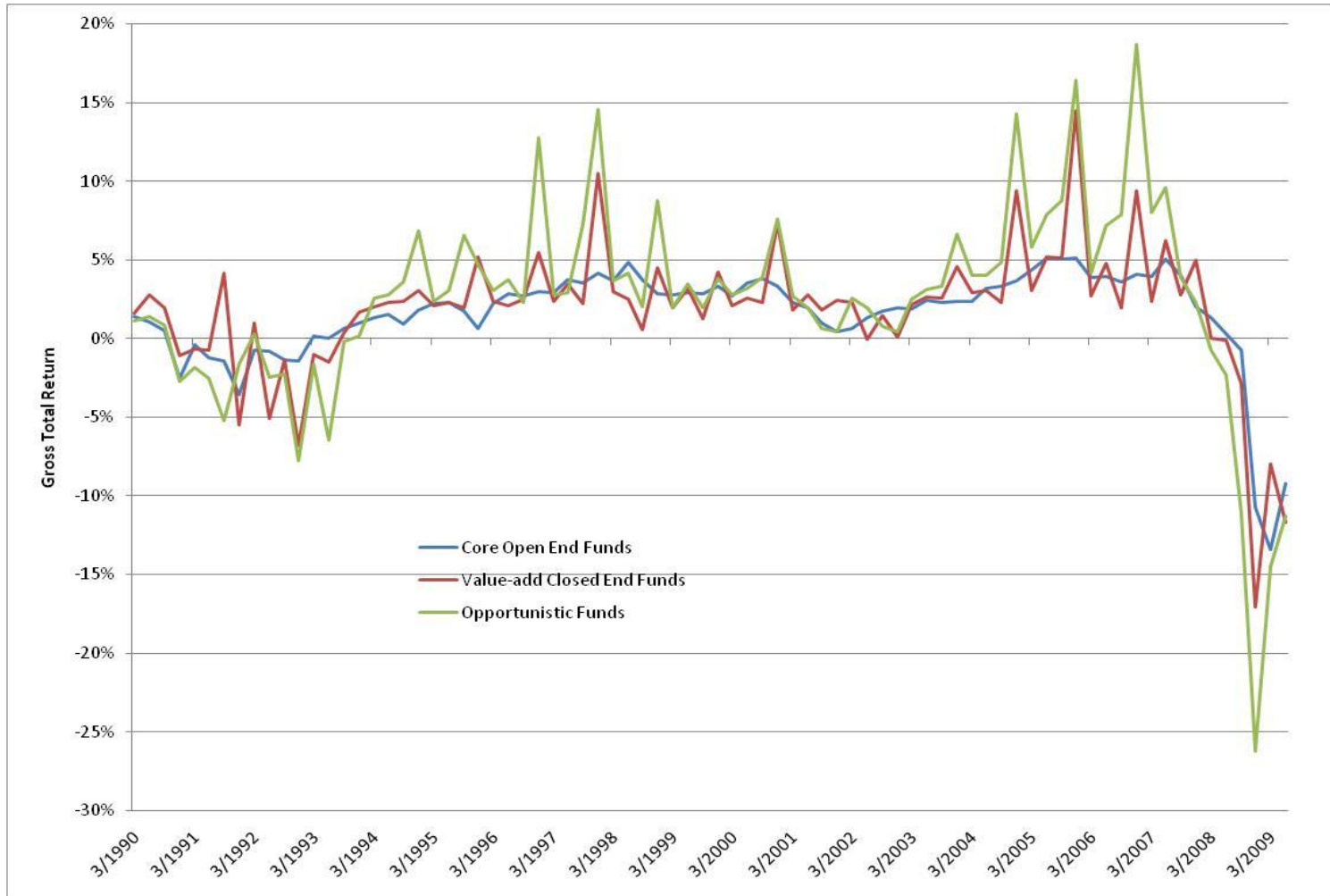
# Excessive Leverage in the Commercial Mortgage Market

Commercial & Multifamily Mortgages Outstanding as % of GDP

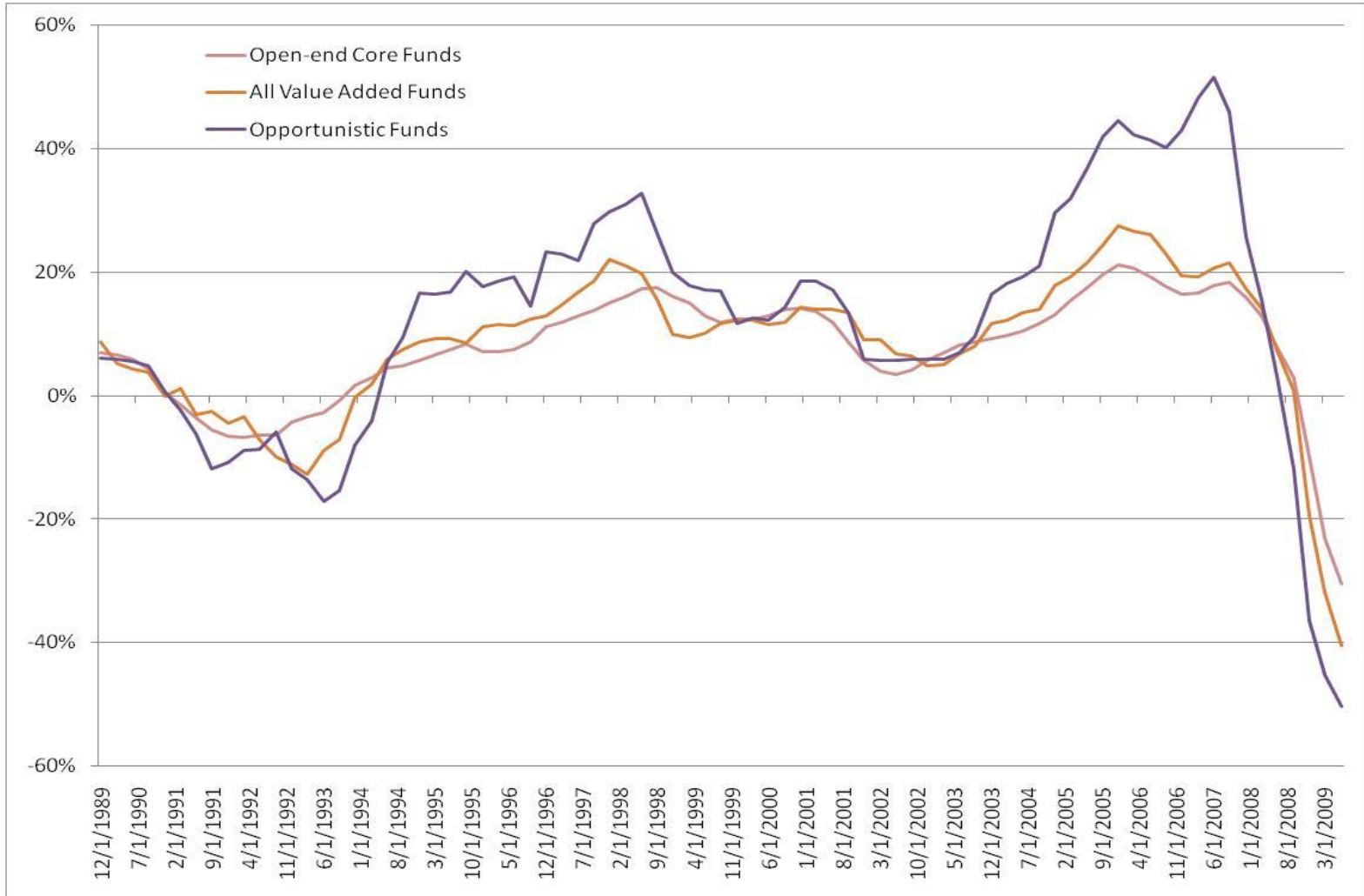


Sources: Federal Reserve; Moody's Economy.com

# NCREIF/Townsend Fund Indices: Comparative Performance



# NCREIF/Townsend Fund Indices: Rolling 4 Quarter Performance



## NCREIF/Townsend Fund Indices: Comparative Performance

<b>Gross Returns thru 2009Q2</b>	<b>Core Open- End</b>	<b>Value Add Closed-End</b>	<b>Opportunistic Closed End</b>
<b>One Year Return</b>	<b>-30.4%</b>	<b>-34.4%</b>	<b>-50.3%</b>
<b>Five Year Return</b>	<b>4.4%</b>	<b>6.1%</b>	<b>8.4%</b>
<b>Five Year Std Dev</b>	<b>11.21%</b>	<b>14.52%</b>	<b>22.21%</b>

<b>Five Year Individual Fund Performance</b>	<b>Core</b>	<b>Value Add</b>	<b>Opportunistic</b>
<b>Count</b>	<b>16</b>	<b>38</b>	<b>89</b>
<b>Top Quartile Break</b>	<b>5.8%</b>	<b>10.2%</b>	<b>22.3%</b>
<b>Median</b>	<b>4.4%</b>	<b>4.0%</b>	<b>10.7%</b>
<b>Bottom Quartile Break</b>	<b>2.5%</b>	<b>-0.2%</b>	<b>-1.0%</b>
<b>Dispersion</b>	<b>1.93%</b>	<b>8.63%</b>	<b>21.84%</b>

# Mixing Illiquid and Liquid Investments in a Strategy

- The great lesson of the Crash of 2008: Liquidity matters!
- Conventional Wisdom: Public Market investments more liquid than private market
- Was BBB CMBS more liquid than a whole loan held in portfolio? It depends on what you mean by liquid!
- Hard to hold to your strategy when you have to liquidate your REITs to get cash to meet your opportunity fund capital calls!
- Lesson to Learn: Mixing strategies with vastly different liquidity profiles must be done very carefully.
- Oh, and **LIQUIDITY MATTERS**

## 2008Q3-2009Q2

(\$ Millions)

	Core	Value Add	Opportunistic
<b>Contributions</b>	<b>2,331</b>	<b>4,661</b>	<b>19,219</b>
<b>Distributions</b>	<b>4,441</b>	<b>1,784</b>	<b>621</b>

...& some parental advice...

