Wall Street and Real Estate

Goals of Presentation

- CMBS / CDO Industry
- Risk Rating (MBS Ratings / Basel)
- REIT Industry
- Hottest Issue in Commercial Real Estate
- Investor (Cap Rate) Trends
- Real Estate Market (Rents, Prices) Trends
- Market Data Sources

What is a CMBS?

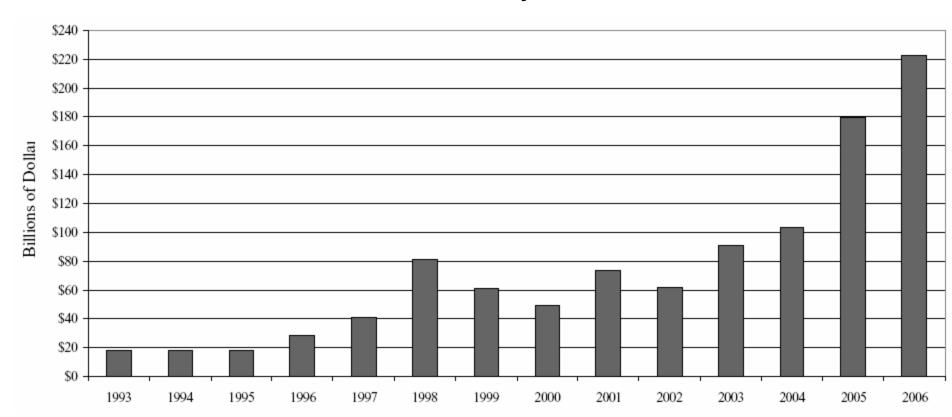
Commercial Mortgage Backed Security

Type of Pass-through Security

Commercial Mortgages are securitized into a pool. Rights to the revenue from the mortgages are divided into many smaller pieces (aka traunches, strips, slices), each with differing priorities. Proceeds are distributed to investors based on the priority of their traunche.

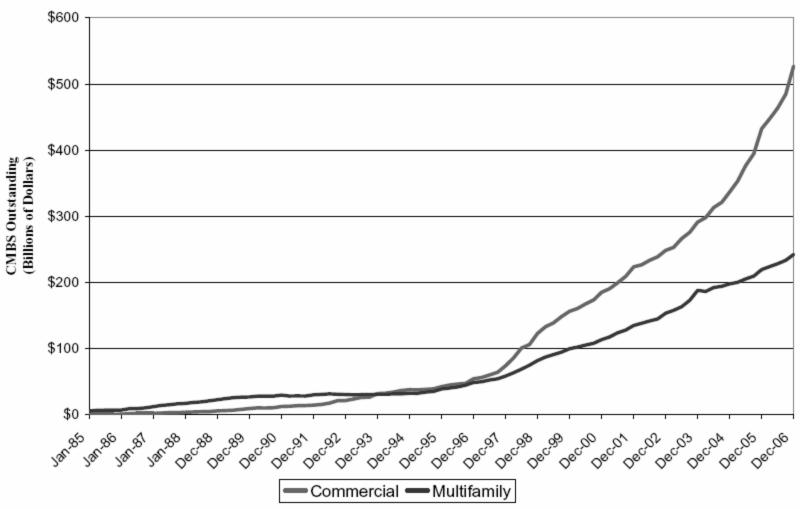
CMBS - Issuance

CMBS – Issuance by Year



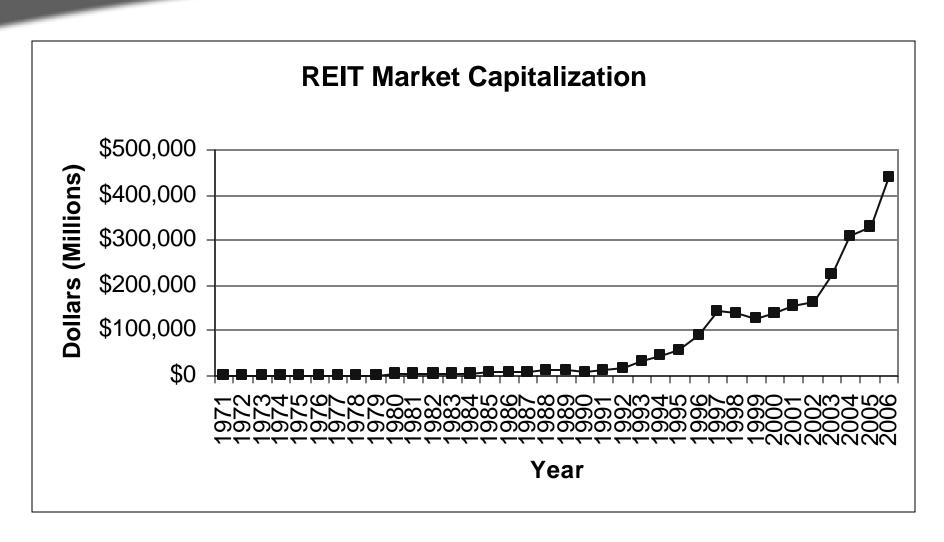
CMBS - Size of Market





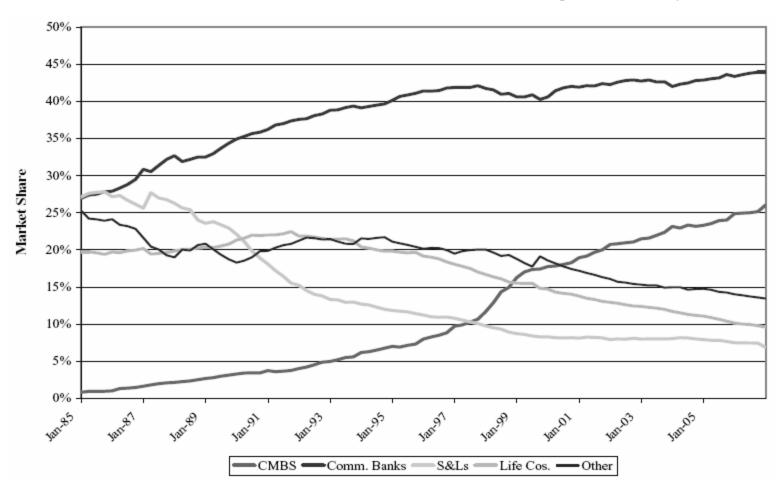
Source: Bank of America Securities, LLC, Federal Reserve

REIT - Size of Market - EOY EOY 2006 = \$438 Billion



CMBS - Share of Market

CMBS – Share of Commercial R.E. Lending Market by Year



Source: Bank of America Securities, LLC, Federal Reserve

Players in a CMBS

Borrowers Mortgage Banker / Loan Originator Investment Banker Trustee (fiscal agent) **Rating Agencies** Servicers (Master, Primary, Special) Investors

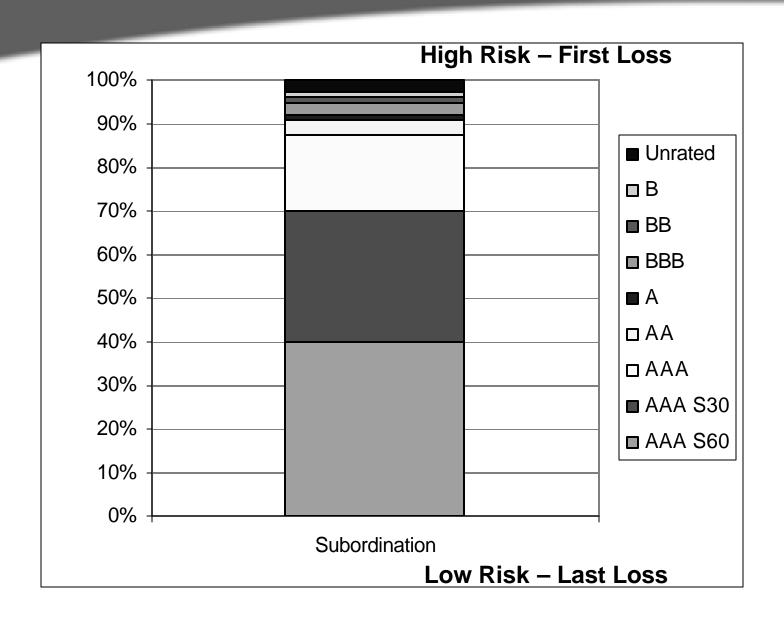
Example of a CMBS

	No. Loans	250						
	Avg. Loan Size	\$10,000,000						
	Total Loan Amt.	\$2,500,000,000						
	Index Name	10-Year Treasury						
	Index Rate	5.000%						
	Avg. Margin	1.750%						
	Avg Yield	6.750%						
Current	Traunche	Approximate	Implied	Yield				
Spread	Rating (10Y)	Subordination	Yield	x Weight%				
0.22%	AAA S60	60.0%	5.22%	2.088%				
0.25%	AAA S30	30.0%	5.25%	1.575%				
0.30%	AAA	12.5%	5.30%	0.928%				
0.40%	AA	9.0%	5.40%	0.189%				
1.00%	Α	8.0%	6.00%	0.060%				
1.75%	BBB	5.0%	6.75%	0.202%				
2.50%	BB	4.0%	7.50%	0.075%				
4.00%	В	2.5%	9.00%	0.135%				
5.00%	Unrated	0 to <2.5%	10.00%	0.250%				
		Weighted Average	5.502%					
	* Implied Annual Ex	cess Return		1.248%				
		\$31,200,000						
	* note: excludes swap, agency, trust, servicer and other fees							

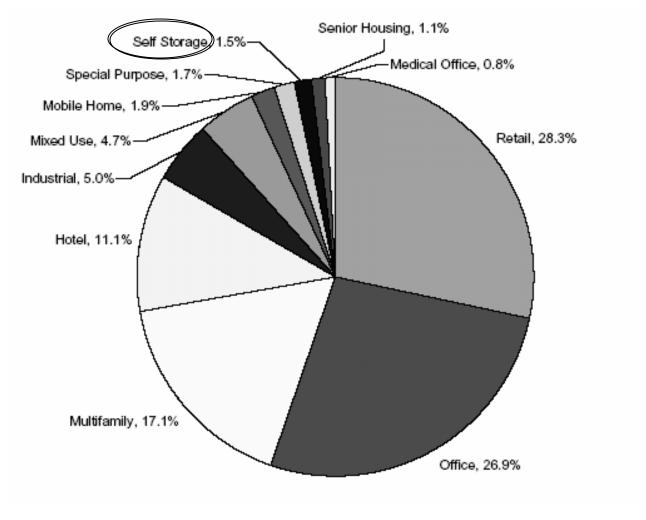
Example of Defeasance

Loan Amount	\$15,000,000				
Remaining Loan Term	7.00				
Index - 10 yr Treas.	4.90%				
Margin	1.50%				
Interest Rate	6.40%				
Annual Interest Payment	\$960,000				
Required Amount of TS	\$19,591,836.73				
Implied Additional Cost	\$4,591,836.73				
	30.6%				

Example of Subordination

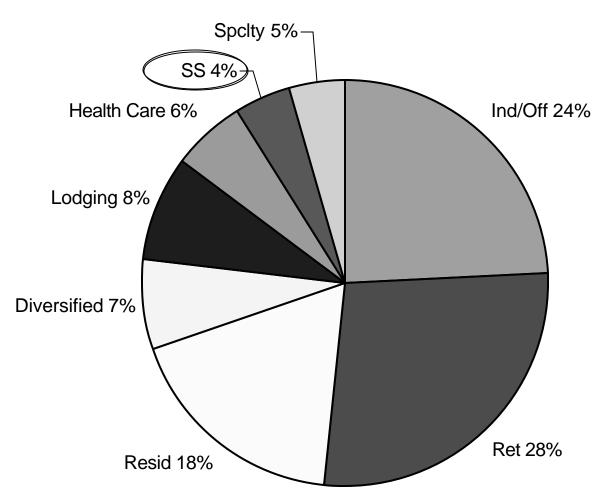


CMBS - Property Distribution



Source: Bank of America Securities, LLC, Intex

REIT - Property Distribution - 6/07



Source: NAREIT, Bank of America - Real Estate Research

CMBS - Default Performance

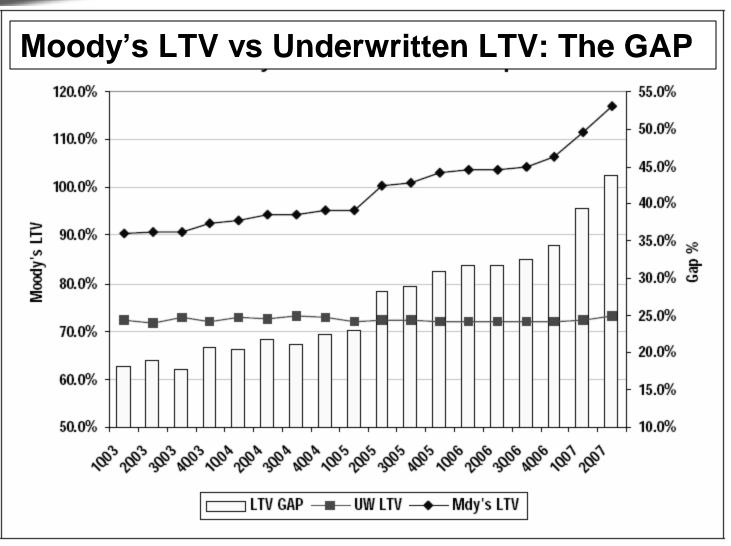
- by Property Type, as of June 2007

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Projected Total Loss	ses by P	roperty	Type, J	<u>une 200</u>	<u>)7 (Publ</u>	lished Q	uarterly	<u>/)</u>			All
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Deals
Retail	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Office	2.16	2.35	2.69	2.59	2.64	2.41	2.37	2.32	2.39	2.49	2.52
Multifamily	2.57	2.20	2.46	2.74	2.59	2.89	2.73	2.80	2.66	2.56	2.50
Hotel	2.99	2.52	2.15	2.67	3.46	2.28	2.41	2.29	2.56	2.47	2.50
Industrial	2.43	2.68	2.21	2.60	2.30	2.32	2.41	2.44	2.45	2.48	2.50
Self Storage	1.95	2.06	2.28	2.36	2.26	2.31	2.45	2.38	2.48	2.48	2.50
Manufactured Housi	1.92	2.49	2.46	2.36	2.51	2.36	2.37	2.44	2.48	2.49	2.50
Senior Housing	2.40	2.27	2.40	2.23	2.29	2.30	2.35	2.49	2.43	2.49	2.50

Note: Projected total losses include losses to date and forecasted losses. Forecasted additional losses equal 50% of projected liquidations as a percentage of original balance, which is calculated by applying a likelihood of REO to each delinquency category as follows: <= 1mo. (5%), 30 days (20%), 60 day (40%), 90 (60%), in foreclosure (80%) and REO (100%). Forecasted additional losses equal 50% of projected liquidations as a percentage of original balance.

Source: Bank of America Securities, LLC, Intex

CMBS - Moody's Changes Values



Source: Moody's

Sub-Prime MBS – Upgrades: Downgrades

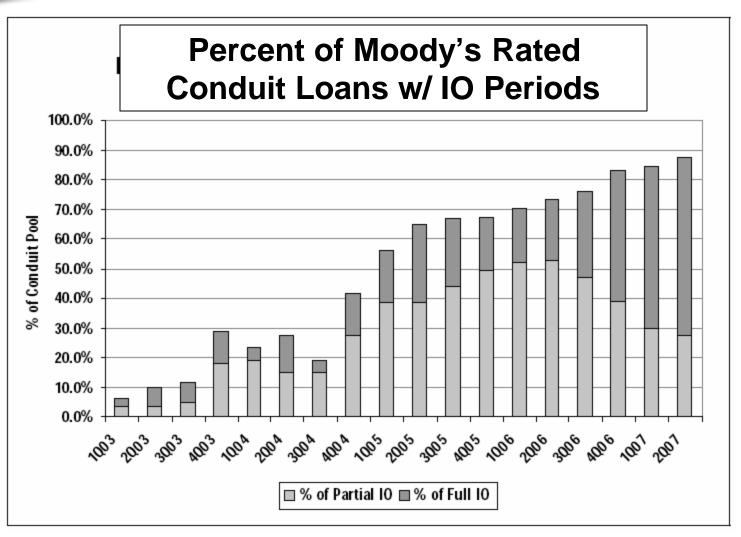
- Week of July 9, reported July 17

Summary of Rating Actions Taken by SRAs

Subprime RMBS	Downgraded Negative Review	399 32	498 26	170
Original Rating	A and Above BBB BB or Below	2% 55% 43%	13% 56% 30%	

Note: The 26 issues are on negative watch by the S&P as the issuers have appealed the agency's downgrade decision. Source: Bank of America Securities, LLC, Moody's, Standard & Poor's, Fitch

CMBS - Interest Only Periods



Source: Moody's

Risk Rating

- Wall Street Rating Agencies
- Banking Basel Accord

What are the drivers?

Your answer is your Risk Rating Model

Risk-based pricing will create borrower/property specific interest rate

Risk Rating Systems - Two Basic Tools

- Loan to Value Ratio = LTV
- Debt Service Coverage Ratio = DSC

Many studies show that Default is correlated DSC. If a borrower can't make the payment, the property is "given back.

Studies show that "Loss Given Default" is correlated with LTV. Loss increases as the LTV increases.

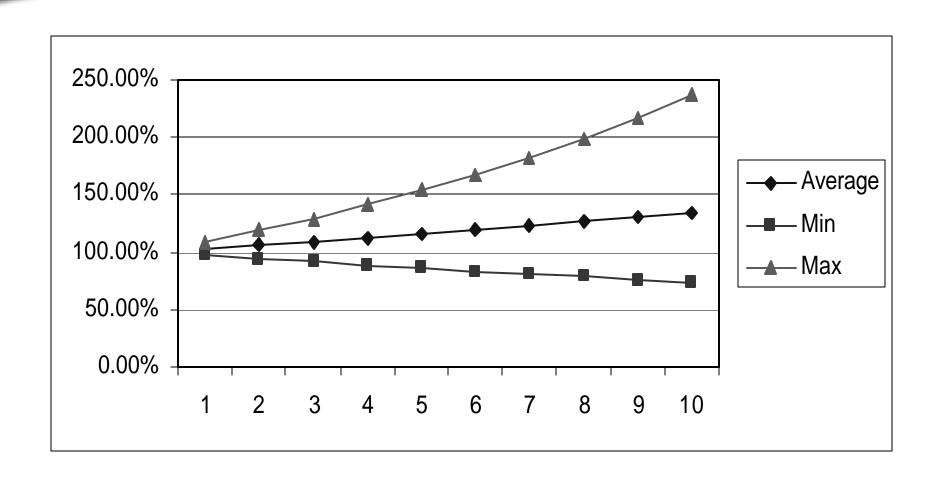
Types of Risks Impacting Loan Loss

- Market Risk
- Banking Industry
- Real Estate Industry
- Interest Rate Risk
- Operational Risk

- Originator Bias
- Property Type
- Location of Collateral
- Strength of Borrower
- Guarantee
- Ability to Exit

Example of Cone Analysis

Average = 3%, 1 Std Dev = 4%, 10 Years



Real Estate Investment Trust (REIT)

Pass-through Investment

Effectively a Corporation

95% of income passed through to shareholders. No "corporate" tax. All earnings single-taxed at shareholder level.

Current Issues:

Definition of Assets

Leverage

Real Estate Investment Trust (REIT) - on line resources

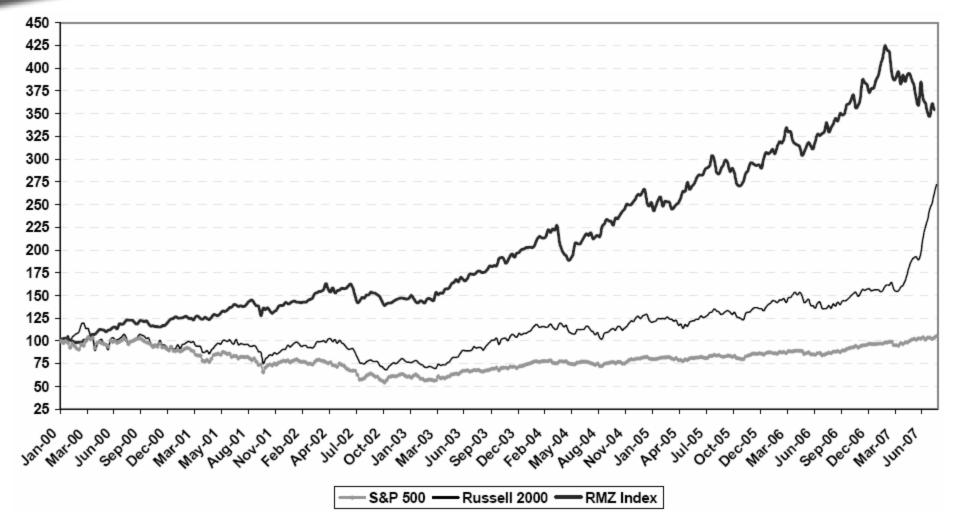
Great Site to see Investor Presentations for IPO: http://www.retailroadshow.com

Site to Look Up SEC Filings: http://www.sec.com

Another great Site: http://www.google.brand.edgaronline.com/?sym=HCN

Real Estate Investment Trust (REIT)

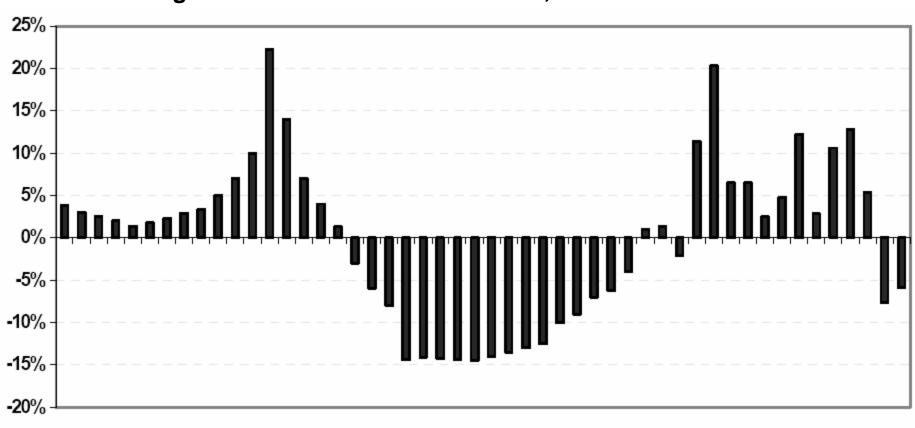
- Price Index Performance Analysis



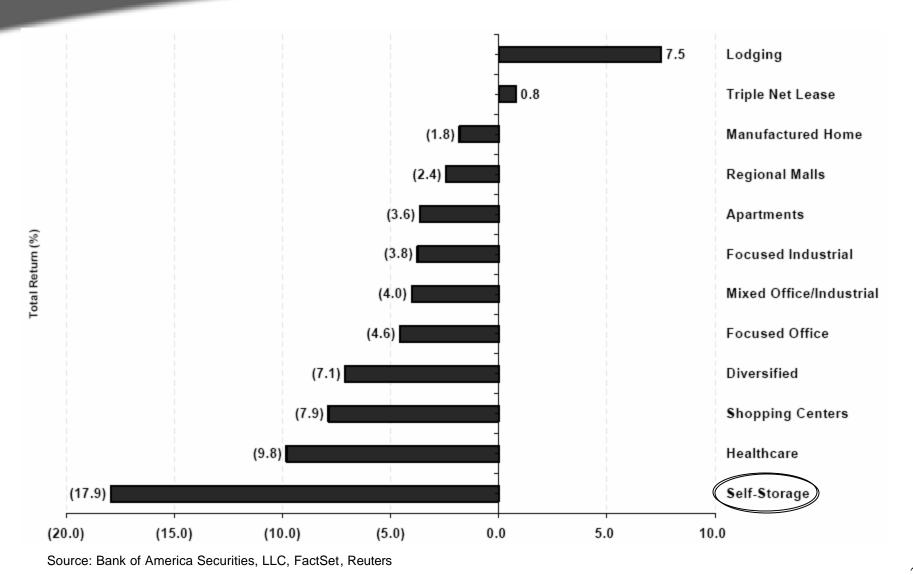
Real Estate Investment Trust (REIT)

- Price versus NAV

REITS Trading @ 6% Discount to current NAV, 10% Discount to Forward NAV



Real Estate Investment Trust (REIT) - YTD REIT Sector Performance as of July 2007



Hot Issue in Commercial Real Estate - Cap Rate

$$R_0 = Y_0 - ?$$

Cap Rate = Yield Rate minus Growth

Growth – what are drivers?

No rental Growth

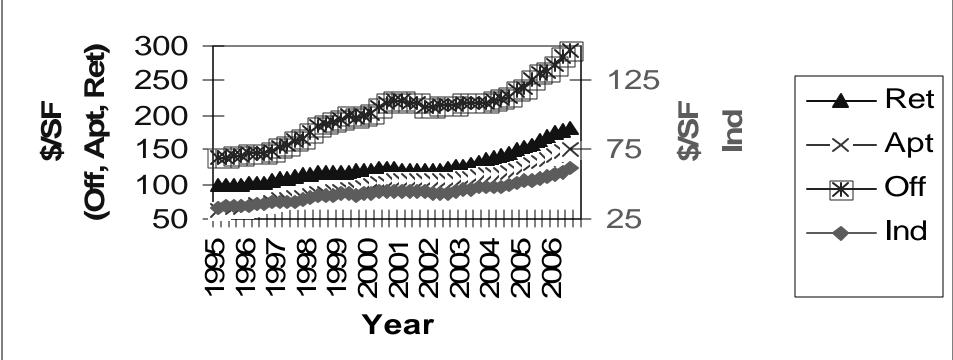
Only interest rate change

Lag Effect

What happens when rates stop declining?

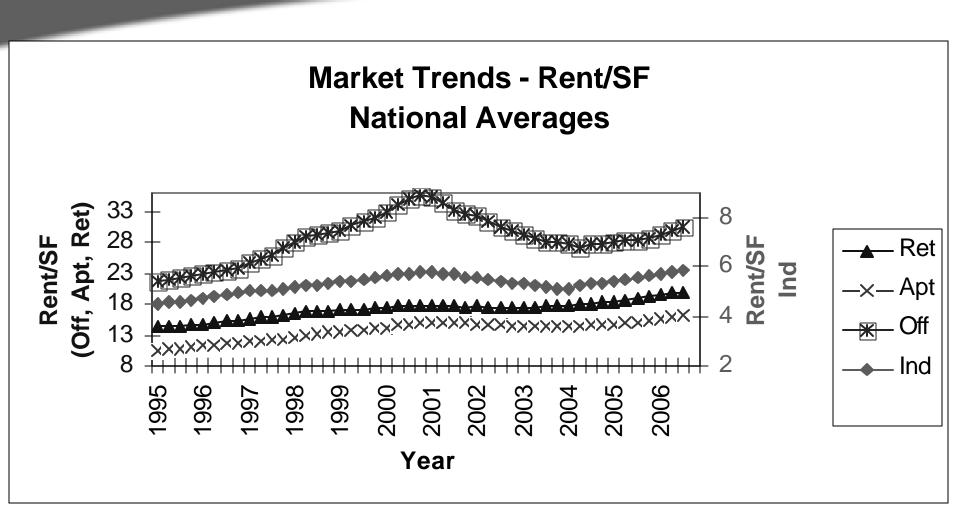
Market Trends - National - Value by Property Type

Market Trends - Value/SF National Averages

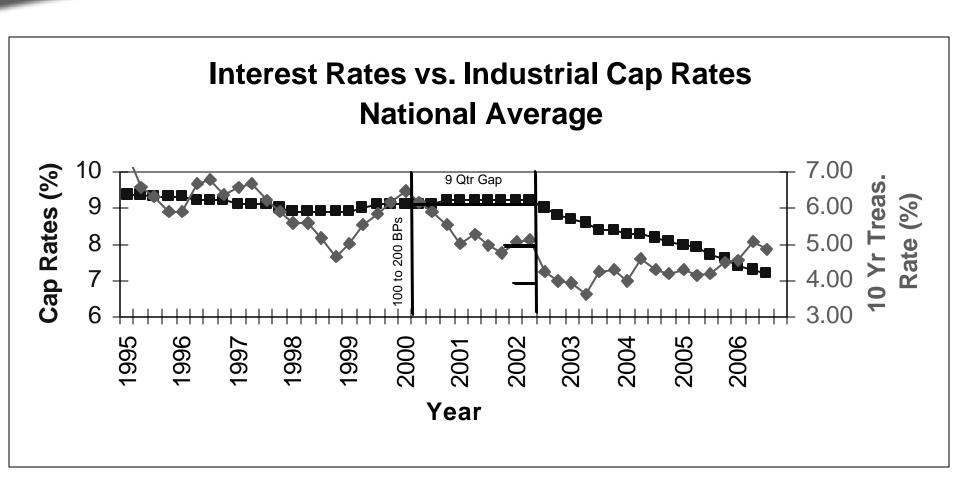


Source: National Real Estate Index, and Bank of America - Real Estate Research

Market Trends - National - Rent by Property Type

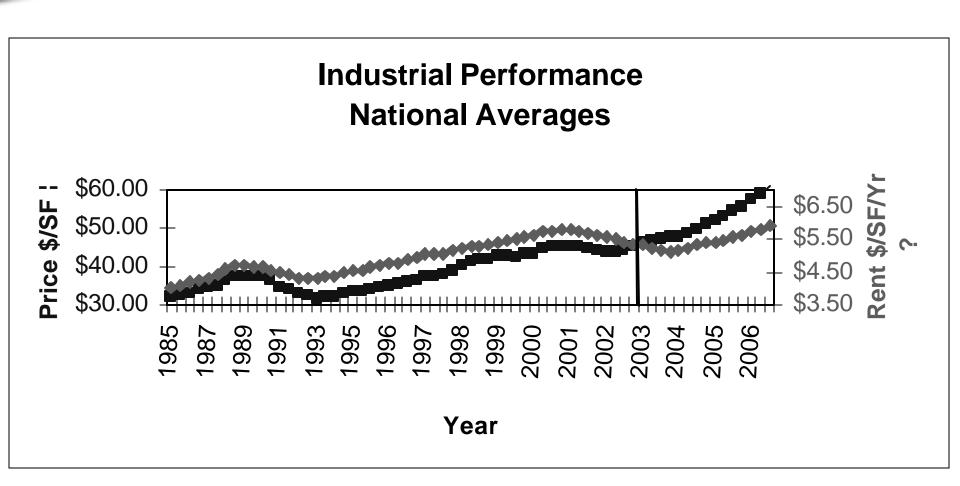


Interest Rate & Investor Trends - National Industrial Market



Trends in Industrial Real Estate

- National



Economic / Demographic Data Providers

- Appraisal Institute Site to do Business (applies to most data sources)
- BEA, BLS, Census
- Economy.com
- Claritas (acquired NDS & UDS)
- State / Regional Data Sources

Rent - Vacancy Nat'l Data Sources

- Torto-Wheaton Research
- REIS
- Property & Portfolio Research
- CoStar
- CB Commercial
- Grubb & Ellis
- Cushman Wakefield
- RealFacts (Apt Only)

Top Real Estate Forecasting Companies

- Torto Wheaton Research
- Property & Portfolio Research
- REIS SE
- Rosen

Sale Comps - National Data Sources

- Real Capital Analytics
- REIS SE
- LoopNet (recently added)
- CoStar Comps
- Your Firm's Files
- Call Brokers, REITS, etc.

Expenses - National Data Sources

- IREM (Office, Retail, Apt)
- ULI Dollars & Cents (several versions)
- NAIOP
- CoStar Comps
- REIS
- •RealtyRates.com (market survey)
- Your Firm's Files!

Cap Rate - National Data Sources

- Real Capital Analytics
- RERC Investor Survey
- CB National Investor Survey
- Cushman Wakefield
- Grubb & Ellis Outlook
- CoStar Comps
- Korpacz

Real Estate Loss - Data Sources

- FDIC Whole Portfolios Only
- Annual Reports (REIT / CMBS)
- SNL DataSource, from SNL Financial (REIT)
- ■Trepp CMBS trepp.com
- ■Conquest from S&P cmbs.com
- ■Intex CMBS data intex.com
- ■SRAs S&P, Moodys, Fitch