Glenn R. Mueller, Ph.D. Professor

University of Denver Franklin L. Burns School of Real Estate & Construction Management

Real Estate Investment Strategist Dividend Capital Research

&

glenn.mueller@du.edu

UNIVERSITY OF DENVER FRANKLIN L. BURNS SCHOOL OF REAL ESTATE & CONSTRUCTION MANAGEMENT DANIELS COLLEGE OF BUSINESS



- Securitization:
- The process of *converting* an income stream from a fixed asset, such as real estate,
 - into a *security* with a value
 - that can readily be *determined in the market* and *readily traded*.

REITs Defined

- Investment Conduit created in 1960 to own & manage commercial real estate
- Elective choice under U.S. tax code
 - Must distribute 90% of *taxable* income
 - At least 75% of assets and income (rents, interest, sale gains) from real estate
 - Less than 30% of gross income can be property sales held less than 4 years
 - Minimum 100 shareholders
 - No more than 50% of shares held by five or fewer investors
- Income is taxed at shareholder level (dividends)
- Mostly Equity REITs (some debt and hybird)
- Most traded on NYSE

The Modern Real Estate Evolution

Beginning in the early 1990s, the real estate asset class grew from a sector market capitalization of around \$10 billion to approximately \$314 billion in 1Q2010.



1992 Umbrella Partnership REIT



Market Capitalization Growth of Public Equity REITs



Source: NAREIT data as of 01/31/2010. **Past performance is not a guarantee of future results.** This is for illustrative purposes only and is not indicative of any investment. The NAREIT data shown reflects market capitalization of the public U.S. real estate investment trust market. REITs included in this data are publicly traded.

REIT History

- Formed by an act of Congress in 1960
- Construction Mortgage REITs in early 1970s
- Ignored due to Limited Partnerships in 1970s & 80s
- 1986 Tax Act Allowed Active Internal Management
- Kimco REIT started new ERA in 1991
- 1992 FFO Established
- Taubman created UPREIT in 1992
- Growth was key to success in 1990s = Mega REITs
- 1999 FFO revised
- 2000 Taxable REIT subsidiaries allowed
- 2000 added BACK into S&P 500
- 2009 REITs raise \$28 Billion in equity (largest ever)

Why REITs Benefit the Real Estate Industry

- Access to Public Market Capital
- Professional Management
- Longer term investment focus = better prop mgt
- Managers *aligned* with stockholders
- Heavily Researched (over 500 REIT analysts)
- Lower Leverage (50% for REITs vs. 75% for private RE)
- Real Time Pricing
- Dividend Discipline
- Liquidity

Growth in # Companies and \$ Size of Companies

Equity REIT Market Capitalization (December 1971 - December 2011)





Growth in Company Size



Source: NAREIT

Historic Market Capitalization Growth



Source: NAREIT



Natch Improving Liquidity for Large Trades



Source NAREIT

REITs Provide Inflation Protection - (Capital Preservation)



Real Estate Total Return- an Inflation Hedge



Capital Raising Strong



Capital Raising Strong

REIT & property company equity and debt offerings 2009 to 2011 Ranked by deal credit

			2009	2010			2011			Aggregate		
				Deal			Deal			Deal		Deal
Overall			No. of	credit		No. of	credit		No. of	credit	No. of	credit
rank	Adviser	Rank	offerings	(\$M)	Rank	offerings	(\$M)	Rank	offerings	(\$M)	offerings	(\$M)
1	Bank of America Merrill Lynch	1	76	7,963.0	1	73	7,213.3	1	82	8,724.1	231	23,900.4
2	J.P. Morgan Securities LLC	2	53	6,274.5	2	52	5,685.9	3	46	4,631.8	151	16,592.2
3	Wells Fargo Securities LLC	6	38	2,804.2	4	52	4,749.6	2	57	4,661.1	147	12,214.9
4	Citigroup Global Markets Inc.	7	31	2,734.6	3	43	4,945.3	6	30	2,701.1	104	10,380.9
5	Deutsche Bank Securities Inc.	4	27	3,151.6	5	39	4,105.6	8	28	2,299.3	94	9,556.5
6	Morgan Stanley	5	26	2,956.3	6	30	3,130.8	4	30	3,132.5	86	9,219.7
7	UBS Investment Bank	8	25	2,302.3	8	25	2,705.4	5	26	2,704.7	76	7,712.4
8	Goldman Sachs & Co.	3	37	3,159.3	9	20	1,953.2	9	19	1,929.4	76	7,041.9
9	Barclays Capital Inc.	9	26	803.5	7	29	2,823.8	7	23	2,310.6	78	5,937.8
10	RBC Capital Markets LLC	11	5	353.5	12	11	1,069.6	10	14	995.3	30	2,418.4
11	Credit Suisse (USA) Inc.	10	9	739.3	11	8	1,095.7	14	5	268.5	22	2,103.5
12	RBS Securities Inc.	14	3	200.0	10	10	1,526.7	17	2	117.2	15	1,843.9
13	Raymond James & Associates Inc.	12	5	273.6	13	15	837.1	13	9	294.0	29	1,404.7
14	KeyBanc Capital Markets	13	7	263.4	14	10	479.0	12	10	508.9	27	1,251.2
15	Jefferies & Co. Inc.	16	1	183.3	16	7	430.8	11	6	575.5	14	1,189.6

Data as of Jan. 31, 2012.

Rankings comprise top global coordinator, book manager in REIT & property company common stock, preferred stock, senior debt, subordinated debt, senior subordinated debt, and junior subordinated debt offerings.

Table may include multiple issuances under medium-term notes program.

Excludes collateralized debt obligations, asset-backed securities and mortgage-backed securities offerings.

Credit to deal participants is calculated by dividing the total amount offered by the number of deal participants and then calculating the sum total for each participant.

The total amount offered includes exercised overallotments.

If underwriters merge or an underwriter is purchased by the parent of another underwriter, rankings are retroactively adjusted to the single highest-level underwriter. Buyers already receiving credit for offerings will not receive additional credit following the merger.

Source: SNL Financial

Portfolio Diversification

Stock and Bond Investor January 1972 to December 2006



Source: Morningstar Inc., Financial Communications. ©2010 All rights reserved. Used with permission. **Past performance is not a guarantee of future results.** This material is for illustrative purposes only and is not indicative of any investment. Stocks are represented by the S&P 500; Bonds are represented by a 20-year U.S. Government Bond; T-Bills are represented by a U.S. 30-day T-Bill; REITs are represented by the NAREIT Equity REIT Index, an unmanaged index reflecting performance of U.S. real estate investment trust market. The REITs included in this index are publicly traded. Risk is represented by standard deviation, which is a statistical measurement that depicts how widely returns varied over time. The measurement is generally used to predict and understand the range of returns that are most likely for a given investment. Investors cannot invest directly into any index. Industrial Income Trust is a non-traded REIT; therefore, this data should not be used as a comparison to, or an implication of, non-traded REIT performance. Investments in real estate may be subject to special risks associated with operating and leasing properties, as well as risks due to changes in economic conditions, interest rates, property values, and supply and demand, in addition to possible environmental liabilities, zoning issues and natural disasters.

Potential to Reduce Risk and Increase Risk-Adjusted Return January 1985 to December 2009



Source: © 2010 Morningstar. All rights reserved. Used with permission. **Past performance is not a guarantee of future results.** This material is for illustrative purposes only and is not indicative of any investment. Stocks are represented by the S&P 500; Bonds are represented by the five-year U.S. Government Bond; Cash is represented by a U.S. 30day T-Bill; Direct real estate is represented by the MIT transaction-based index (TBI), a statistical methodology that produces estimates of price movements and total returns based on transactions of properties sold from the National Council of Real Estate Investment Fiduciaries (NCREIF) Property Index (NPI). The NPI is an index of quarterly returns reported by institutional investors on investment grade commercial properties owned by those investors and is presented without leverage or fees. The NPI is used as an industry benchmark to compare an investor's own returns against the industry average. Although not a measure of non-traded REIT performance, the NPI is an accepted index for the purpose of evaluating the relative volatility of an investment in non-traded REITs. Risk is represented by standard deviation, which is a statistical measurement that depicts how widely returns varied over time. The measurement is generally used to predict and understand the range of returns that are most likely for a given investment. Investors cannot invest directly into any index. Investing in real estate entails certain risks, including changes in: the economy, supply and demand, laws, tenant turnover, interest rates (including periods of high interest rates), availability of mortgage funds, operating expenses and cost of insurance. Some real estate investments offer limited liquidity options.

Bond Values DROP as Interest Rates Rise



Real Estate Provides Inflation Protection

NAREIT & NCREIF Yearly Returns vs Inflation



Source: NAREIT, NCREIF, BLS, and Mueller

Best Cumulative Total Return Over Past 33 Years



Sources: NCREIF, SLH Corp Bond Index, NAREIT, S&P, Frank Russell, NASDAQ.

Long-Term Wealth Preservation

"Up" and "Down" Years For Direct Real Estate, Stocks and Bonds 1934 to 2010¹



Up-Years (positive returns)

Down-Years (negative returns)

Sources: NCREIF (National Council of Real Estate Investment Fiduciaries), Bloomberg, Lehman, RCG. **Past performance is not a guarantee of future results.** The NCREIF Property Index (NPI) is an index of quarterly returns reported by institutional investors on investment grade commercial properties owned by those investors. The NPI is used as an industry benchmark to compare an investor's own returns against the industry average. Although not a measure of non-traded REIT performance, the NPI is an accepted index for the purpose of evaluating the relative volatility of an investment in non-traded REITs. The S&P 500 Index is an unmanaged index of the 500 largest stocks (in terms of market value), weighted by market capitalization and considered representative of the broad stock market. The Lehman Brothers U.S. Aggregate Index represents securities that are SEC-registered, taxable and dollar denominated. The index covers the U.S. investment grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities and asset-backed securities. These major sectors are subdivided into more specific indices that are calculated and reported on a regular basis. Bond *TOTAL* Returns Expected to be low From a low interest rate starting point

REITs have beat inflation And had low correlation with stocks

REITS and Real Estate Improve the Efficient Frontier in a Historic Mixed Asset Portfolio

Declining Equity REIT Correlation

Monthly correlation of REIT total returns to other types of investments



Source: REITs—NAREIT Equity Index; Small Stocks—Ibbotson U.S. Small Stock Series; Large Stocks—Standard & Poor's 500[®]; LT Bonds—20-year U.S. Government Bond.

Figure 3: Conditional Volatility of the Portfolio Returns



Low Correlations Changed



Source: SNL Data source

28-Year Compound Annual Returns and Standard Deviation of Annual Returns

Compound Annual Total Returns 1972-2000 Standard Deviation of Annual Returns 1972-2000



Source: National Association of Real Estate Investment Trusts, Ibbotson Associates, NASDAQ. 1972 since it is the year the NAREIT Index started. NCREIF and NASDAQ series began January 1979. Equity REITs are price appreciation only.

30-Year Compound Annual Returns and Standard Deviation of Annual Returns

Compound Annual Total Returns 1972-2002 Standard Deviation of Annual Returns 1972-2002



Source: National Association of Real Estate Investment Trusts, Ibbotson Associates, NASDAQ. 1972 since it is the year the NAREIT Index started. NCREIF and NASDAQ series began January 1979. Equity REITs are price appreciation only.

Risk = How Much Loss



Sources: NCREIF, SLH Corp Bond Index, NAREIT, S&P, Frank Russell, NASDAQ.

Index Return Comparisons



Sources: NCREIF, SLH Corp Bond Index, NAREIT, S&P, Frank Russell, NASDAQ. Particular investments may contain risks not illustrated by its associated index. This is for illustrative purposes only and is not indicative of any particular investment or future results.



REITs Invest in All Property Types

Property Sector	Percent					
Residential	19					
Office Buildings	18					
Shopping Centers	14					
Regional Malls	13					
Diversified	7					
Industrial Facilities	6					
Mixed (Industrial and Office)	6					
Health Care	5					
Specialty	6					
Lodging/Resorts	4					
Self Storage	4					

Source: NAREIT

NAREIT Equity Index Property Composition

NAREIT Index Property Type



Free Stand Retail, 2%

REITs exhibit consistent return performance 1976-2006



Sources: NASDAQ, Frank Russell, Dow Jones, S& P, NAREIT

Historic Performance



* Time period based off of traiting Four-Quarter Annualized Kelurns from 4Q09.

Source: NAREIT, January 2010 and NCREIF. **Past performance is not a guarantee of future results.** This material is for informational purposes only, and does not reflect the actual return of a specific investment. The National Council of Real Estate Investment Fiduciaries (NCREIF) Property Index (NPI) is an index of quarterly returns reported by institutional investors on investment grade commercial properties owned by those investors. The NPI is used as an industry benchmark to compare an investor's own returns against the industry average and does not include leverage or fees. Although not a measure of non-traded REIT performance, the NPI is an accepted index for the purpose of evaluating the relative volatility of an investment in non-traded REITs. The S&P 500 Index is an unmanaged index of the 500 largest stocks (in terms of market value), weighted by market capitalization and considered representative of the broad stock market. The Russell 2000 Index is an unmanaged index of the smallest 2,000 securities in the Russell 3000 Index, and considered representative of the U.S. small-cap equity universe. The NASDAQ Composite represents all stocks that trade on the NASDAQ stock market, weighted by capitalization, and is considered representative of the broad equity market. The Dow Jones Industrial Average is a price-weighted average of 30 significant stocks traded on the New York Stock Exchange and the NASDAQ. These indices are used in comparison to the NPI in order to illustrate the differences in historical total returns generated by direct commercial real estate, stocks and bonds. Investors cannot invest directly into any index. ¹ Price-only returns are listed for the NASDAQ Composite.

REIT Dividend Growth averaged 48% higher than CPI over 23 years

Equity REIT Dividend Growth versus CPI 1987-2010

■ NAREIT Equity REIT Dividend Growth (Average = 5.52%)



Source: NAREIT (REIT dividends) & U.S. Bureau of Labor Statistics (CPI-U). Past performance is no guarantee of future results.
31-Year Public Equity REIT Return Composition

-10

-20

-30

-40



LR Average Price Return: 6.05%

LR Average Dividend Return: 7.40% LR Average Total Return: 13.34%

 Equity REIT Return Composition (through year-end 2010)

Source: NAREIT, SNL Datasource, and Mueller

 (30.0)

(40.0)

Always Positive FFO Growth

30 -Year Equity REIT Price Change Composition



REIT Leverage Low and Conservative

Composite REIT Leverage (1972 - 2011)



Source: SNL Datasource.

Lower Payouts Provide Safer Dividend Coverage

Wate FFO Payout Ratio Analysis Trailing Twelve Month Dividend/Trailing Month FFO



Source: SNL Datasource

Fund Flows Drive Stock Prices – Short Term

REIT Mutual Funds Flows vs. Sector Performance



25 Year Risk Reward



REITs ACT as a Different Asset Class



Source: NAREIT

Dividend Increasers Outperform

2002 - 2004 REIT Total Return Grouped by Dividend Policy



Source: SNL,

REIT Multiples Above LT Average

FFO Multiples Forward & Trailing



Institutional Price Movements



Source: National Council of Real Estate Investment Fiduciaries - NCREIF

Property Price Movements

8.5 Office - CBD8.9 Office - suburban8.5 Industrial - Warehouse9.0 Industrial - R&D8.0 Apartments



Source: Real Estate Research Corporation - Chicago

Property Price Movements

10.2 Hotels7.9 Regional Mall8.9 Power Center8.7 Neighborhood Comm.

Historic Cap Rates



Source: Real Estate Research Corporation - Chicago

FFO to Cap Rate						
Conversion						
<u>1/FFO</u>	=	Cap Rate				
10.0x	=	10				
11.1x	=	9				
12.5 x	=	8				
14.3x	=	7				
16.7 x	=	6				

REITs Trading Below Private Market Pricing



Source: NAREIT, SNL Datasource

Where Should Real Estate be Valued?

REITs are trading at an implied cap rate (the cap rate at which NAV equals the current share price) of almost 9%.

Implied Cap Rates & Corporate Bond Yields



Source: NAREIT, SNL Datasource









Where Should Real Estate be Valued? By combining historic cap rate, intermediate growth, and inflation expectations, it is possible to construct a time series of the unleveraged returns that real estate investors historically have expected to achieve.



IRR Expectations vs. Commercial Mortgage Rates

Proxy for IRR expectations = economic cap rates + intermediate-term growth + long-term growth (expected inflation less 110 basis points). Inflation source: Survey of Professional Forecasters. Source for Mortgage Rates: American Council of Life Insurers and Green Street.

Where Should Real Estate be Valued? Historically, return (IRR) expectations have substantially exceeded borrowing rates. Assuming that values are down 35-40%, the spread is now about back to normal. Real estate is fairly valued if prices are down this much.



Total Return Analysis

NCREIF vs NAREIT 1970 to 2009



Source: NAREIT, NCREIF

Most current numbers (12/31/99)

3 Components of Real Estate Return

REIT Return (All 3 Components)



Private vs Public Pricing



REIT evolve Globally

- 1960 REIT established in US
- Early 1980s UK adopts REIT structure
- Mid 1980s Dutch and Canadians adopt REITs
- Late 1980s Japanese adopt JREIT
- Early 1990s Dutch invest in US REITs
- Mid 1990s Germans adopt REITs
- 2000s many countries adopt REIT format

Countries with REIT Legislation

- Australia
- Belgium
- Bulgaria
- Canada
- France
- Germany

- Israel
- Italy
- Japan
- Korea
- Malaysia
- Mexico

- New Zealand
- Singapore
- South Korea
- Taiwan
- Thailand
- Turkey
- Hong Kong
 Netherlands
 United Kingdom

REIT Legislation Under Discussion 2009/10:

- FinlandPakistan
- IndiaSpain

Companies by Region







Source: Global Property Research







GPR in comparison

	GPR	FTSE/EPRA NAREIT	S&P/Citigroup
Inclusion Criteria			
Membership	N/A	N/A	N/A
Property Activity	>75% operational turnover>25% from rent	>75% EBITDA (>60% for Asia region)	>60% revenue from rent
Size	>US\$ 50m	North America: >US\$ 200m Europe: >€ 50m Asia: >US\$ 100m	>US\$ 100m
Liquidity (turnover p/ a)	250 most liquid stocks	North America: >US\$ 100m Europe: >€ 25m Asia: >US\$ 100m	>US\$ 25m
Index Construction			
Country Allocation	Primary listing	Primary listing	Decided on a case-by-case basis
Weighting	Free float	Free float	Free float
Pricing Frequency	Daily	Daily	Daily
Revision Frequency	Quarterly	Quarterly	Annually

Source: "Benchmarking Global Listed Property", Russell Research, March 2008

Benchmarks comparison

31 May 2010	GPR General	GPR General Quoted	GPR 250	GPR 250 REIT
Number of countries				
Global	31	31	26	15
Africa	1	1	1	1
Americas	3	3	3	2
Asia	11	11	6	4
Europe	16	16	14	6
Oceania			2	2

31 May 2010	GPR General	GPR General Quoted	GPR 250	GPR 250 REIT
Number of stocks				
Global	475	428	250	183
Africa	17	17	8	2
Americas	136	135	111	105
Asia	140	140	55	31
Europe	182	136	59	28
Oceania			17	17

For updated information, please contact info@gpr.nl.

ASIA REIT Markets 2010

Number of Public Companies



Source: SNL data source

ASIA REIT Markets 2010

Number of properties by EAE Country



Source: SNL data source

ASIA REIT Markets 2010

1600 1400 1200 1000 800 600 400 200 Industrial Shopping Center 0 Multifamily Hotel Specialty Multi-use Other Other Care Nall Nall Residential Self-storage Home Receipted Residential Self-storage Nanufactured Home Nanufactured Home Office

EAE Properties by Property Focus

Source: SNL data source
ASIA REIT Markets 2010



*Calculated using reported NAV. Reported NAV will take the following priority: NAV per share, Diluted NAV per share, EPRA Diluted NAV per share, EPRA Diluted NAV per share. Global medians include all covered Real Estate companies and is not constrained to REITs. Asia-Pacific company values are based on June 1 close. Source: SNL Financial

Source: SNL data source

HOW TO ANALYZE A REIT STOCK

Glenn R. Mueller, Ph.D.

University of Denver

Professor

&

Dividend Capital Group

Real Estate Investment Strategist

The REIT Industry Today

- 160 REITs:
 - **134 equity REITs** (largest REIT \$36 billion market cap)
 - 26 mortgage & hybrid REITs
- Over \$800 billion of real estate
- Own 10% of U.S. Institutional real estate
- All major property types and cities
- Improving liquidity (S&P additions, company consolidations)
- Financial leverage with investment grade status
- Distinguished by Property Type & Geography
- Viable for both large and small investors

Percentage of Real Estate held by REITs as of December 2002



Sources: F.W. Dodge, SNL REIT Securities Database, Wilshire Associates R.E. Securities Index, Bloomberg REOC Index, CB Commercial - Torto Wheaton Research, Smith Travel, U.S. Census Bureau, U.S. Dept. of Commerce, National Research Bureau and Prudential Real Estate Investors Research

REIT Stock Selection

Top Down Process

- Real Estate Fundamentals Physical Market Cycle
- Pricing Current sector multiples vs. industry

Bottom Up Process

- Properties
- Management
- Capital Structure
- Stock Market's Valuation

REIT Investment Criteria

- Property
 - Property / Sub-Market Location
 - Age/Condition
 - Tenant Quality
 - Lease Structure (rollover risk)
 - Market Demand/Supply Balance (where in Cycle)
 - Market Occupancy Forecast
 - Rent Growth Potential
 - Occupancy, Rent Growth & Acquisitions DRIVE Rent Growth

REIT Investment Criteria

- Management
 - Ability to Create Value (growth strategies)
 - Acquisition
 - Development
 - Rehabilitation
 - Property Management
 - Leasing
 - Organization Structure
 - Management Focus
 - Conflicts of Interest
 - Insider Ownership (highest % of any stock sector)
 - Corporate Governance -Board of Directors

Bottom Up Capital Structure Analysis

- Capital Structure
 - Financial Strength (FFO and FAD)
 - Dividend Coverage
- Equity Structure
 - Debt / Total Market Capitalization Ratio
 - Operating Partnership Units
 - Preferred Stock & Convertible Preferred
 - Management Ownership & Control
- Debt Structure
 - Fixed Debt % and Terms
 - Floating Debt % and Terms
- Hybrids and Mergers

Bottom Up Stock Price Analysis

- Peer Group Analysis
 - -Dividend Yield
 - -FFO Growth
 - -FFO Multiple
 - FFO Growth to Multiple Ratio vs. Peers
 AFFO / FAD
- Objective & Subjective Factor Analysis
- Market Trend Impacts

<u>Hotel REITs</u> Comparison Table

By Dividend Yield

				52 Week				FFO C	Growth
Name	Symbol	Price	Dividend Yield	Low	High	Market Cap (\$M)	Debt/Market Cap	2007	2008
Ashford Hospitality Trust	AHT	\$8.07	10.41%	\$7.33	\$13.48	\$990.57	53.90%	13.9	7.3
Hersha Hospitality	HT	\$10.27	7.01%	\$9.73	\$14.20	\$413.10	37.70%	18.0	14.4
FelCor Lodging	FCH	\$17.70	6.78%	\$17.50	\$29.50	\$1,105.20	44.00%	13.1	23.7
Sunstone Hotel Investors	SHO	\$23.71	5.90%	\$23.32	\$30.67	\$1,407.00	44.90%	15.8	18.3
LaSalle Hotel Properties	LHO	\$36.85	5.54%	\$36.27	\$49.75	\$1,477.30	28.70%	9.7	19.6

By Debt/Total Market Cap

				52 Week				FFO G	Growth
Name	Symbol	Price	Dividend Yield	Low	High	Market Cap (\$M)	Debt/Market Cap	2007	2008
LaSalle Hotel Properties	LHO	\$36.85	5.54%	\$36.27	\$49.75	\$1,477.30	28.70%	9.7	19.6
Hersha Hospitality	HT	\$10.27	7.01%	\$9.73	\$14.20	\$413.10	37.70%	18.0	14.4
FelCor Lodging	FCH	\$17.70	6.78%	\$17.50	\$29.50	\$1,105.20	44.00%	13.1	23.7
Sunstone Hotel Investors	SHO	\$23.71	5.90%	\$23.32	\$30.67	\$1,407.00	44.90%	15.8	18.3
Ashford Hospitality Trust	AHT	\$8.07	10.41%	\$7.33	\$13.48	\$990.57	53.90%	13.9	7.3

By 2007 FFO Growth

				52 Week				FFO G	Frowth
Name	Symbol	Price	Dividend Yield	Low	High	Market Cap (\$M)	Debt/Market Cap	2007	2008
Hersha Hospitality	HT	\$10.27	7.01%	\$9.73	\$14.20	\$413.10	37.70%	18.0	14.4
Sunstone Hotel Investors	SHO	\$23.71	5.90%	\$23.32	\$30.67	\$1,407.00	44.90%	15.8	18.3
Ashford Hospitality Trust	AHT	\$8.07	10.41%	\$7.33	\$13.48	\$990.57	53.90%	13.9	7.3
FelCor Lodging	FCH	\$17.70	6.78%	\$17.50	\$29.50	\$1,105.20	44.00%	13.1	23.7
LaSalle Hotel Properties	LHO	\$36.85	5.54%	\$36.27	\$49.75	\$1,477.30	28.70%	9.7	19.6

Hotel REITs



AHT – Ashford Hospitality Trust HT – Hersha Hospitality

LHO – LaSalle Hotel Properties SHO – Sunstone Hotel Investors

FCH – FelCor Lodging

Market Cycle Position

AHT = Red



<u>Industrial REITs</u> <u>**Comparison Tables**</u>

By Dividend Yield

			Current Dividend			Total	Total	
			Yield		C	Capitalization	Debt/Gtotal Market	2007/2008 Average FFO
Company Name	Ticker	Price	(%)	Price/FFO		(\$M)	Capitalization	Provected Growth
First Industrial Realty Trust, Inc.	FR	\$ 37.95	7.48	8.40	\$	4,056	59.35	8.1%
Liberty Property Trust	LRY	\$ 35.15	7.11	11.80	\$	6,403	56.72	1.5%
First Potomac Realty Trust	FPO	\$ 19.59	6.94	11.80	\$	1,156	NA	7.5%
DCT Industrial Trust Inc.	DCT	\$ 10.47	6.11	15.20	\$	3,177	38.84	11.1%
Average:			5.33	12.90	\$	3,619	47.27	7.6%
EastGroup Properties, Inc.	EGP	\$ 45.14	4.43	14.70	\$	1,671	52.24	7.3%
AMB Property Corporation	AMB	\$ 60.94	3.28	17.60	\$	10,026	50.86	3.2%
ProLogis	PLD	\$ 67.32	2.73	15.20	\$	27,582	54.52	13.4%
MI Developments Inc.	MIM	\$ 31.50	-	10.90	\$	2,111	24.83	8.9%

By Debt/Total Market Cap

Company Name	Ticker	Price	Current Dividend Yield (%)	Price/FFO	Total Capitalization (\$M)		Total Debt/Gtotal Market Capitalization	2007/2008 Average FFO Provected Growth
MI Developments Inc.	MIM	\$ 31.50	-	10.90	\$	2,111	24.83	8.9%
DCT Industrial Trust Inc.	DCT	\$ 10.47	6.11	15.20	\$	3,177	38.84	11.1%
Average:			5.33	12.90	\$	3,619	47.27	7.6%
AMB Property Corporation	AMB	\$ 60.94	3.28	17.60	\$	10,026	50.86	3.2%
EastGroup Properties, Inc.	EGP	\$ 45.14	4.43	14.70	\$	1,671	52.24	7.3%
ProLogis	PLD	\$ 67.32	2.73	15.20	\$	27,582	54.52	13.4%
Liberty Property Trust	LRY	\$ 35.15	7.11	11.80	\$	6,403	56.72	1.5%
First Industrial Realty Trust, Inc.	FR	\$ 37.95	7.48	8.40	\$	4,056	59.35	8.1%
First Potomac Realty Trust	FPO	\$ 19.59	6.94	11.80	\$	1,156	NA	7.5%

By 2007/2008 FFO Growth

Company Name	Ticker	Price	Current Dividend Yield (%)	Price/FFO	Total Capitalization (\$M)		Total Debt/Gtotal Market Capitalization	2007/2008 Average FFO Provected Growth	
ProLogis	PLD	\$ 67.32	2.73	15.20	\$	27,582	54.52	13.4%	
DCT Industrial Trust Inc.	DCT	\$ 10.47	6.11	15.20	\$	3,177	38.84	11.1%	
MI Developments Inc.	MIM	\$ 31.50	-	10.90	\$	2,111	24.83	8.9%	
First Industrial Realty Trust, Inc.	FR	\$ 37.95	7.48	8.40	\$	4,056	59.35	8.1%	
Average:			5.33	12.90	\$	3,619	47.27	7.6%	
First Potomac Realty Trust	FPO	\$ 19.59	6.94	11.80	\$	1,156	NA	7.5%	
EastGroup Properties, Inc.	EGP	\$ 45.14	4.43	14.70	\$	1,671	52.24	7.3%	
AMB Property Corporation	AMB	\$ 60.94	3.28	17.60	\$	10,026	50.86	3.2%	
Liberty Property Trust	LRY	\$ 35.15	7.11	11.80	\$	6,403	56.72	1.5%	

Industrial REITs



LRY – Liberty Property Trust FR – First Industrial Realty Trust AMB – AMB Property Corporation EGP – East Group Properties FPO – First Potamic Realty TrustMIM - MI Developments Inc.DCT - DCT Industrial Trust IncPLD - ProLogis

Market Cycle Position



REIT Analysis - Conclusion

Earnings come from

- Real Estate Fundamentals Occupancies & Rents
- Management
- Capital Structure

Pricing Comes from

- Earning Growth Expectations (relative)
- Stock Market Emotions (love / hate / scared)
- Make your selections on a "within RE basis"

Summary

Real estate prices declined 42% in 2008 & 9

- Tough for properties 70%+ financed at high prices
- Low bond rates not readily available in current mortgage rates
- Lower occupancy and rents stressed owners

2010, 2011, 2012 – recovery continues

- Occupancies then rents recovered but at a slow pace
- Mortgage maturities extended in 2010 &11 forced sales did not happen
- Credit markets open to REITs tight for private owners (60% LTV)
- Prices increase in primary markets still low in secondary & tertiary markets

Opportunities should Abound ?

- Low supply creates foundation of a solid recovery
- Distressed owners & mortgage maturity are great buying opportunity
- REITs with capital should be big winners
- Real Estate is an inflation hedge...that should matter a lot someday

Outline of Presentation by Glenn R. Mueller Ph.D.

- Investing in Real Estate Investment Trusts
- History and Fundamentals of REITs
- Performance of REIT investments
- Risks and Rewards
- How to analyze a REIT company Property Management Capital Structure Stock Valuation