#### SELF STORAGE VALUATION

Special Purpose Property Valuation – Appraisal Institute

April 7, 2011

Downey, CA



## ABOUT CUSHMAN & WAKEFIELD'S SELF STORAGE INDUSTRY GROUP

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## ABOUT CUSHMAN & WAKEFIELD'S SELF STORAGE INDUSTRY GROUP

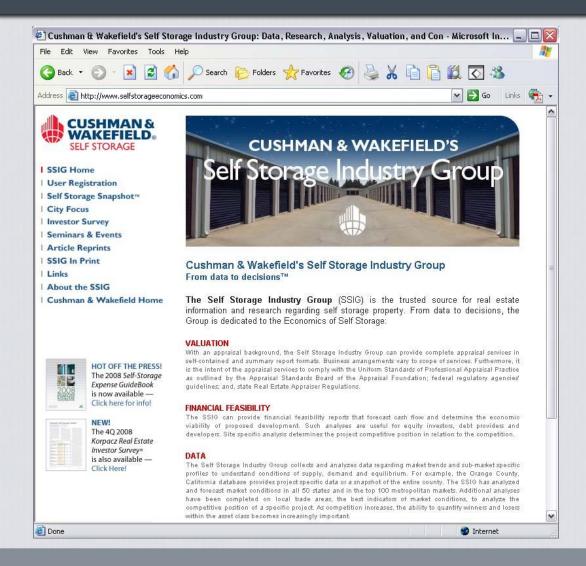
The Self Storage Industry Group is a nationwide team of professionals specializing in:

- Valuation
- Financial Feasibility
- Data
- Research

- Analysis
- Market Reports
- Brokerage
- Consultation



## SELF STORAGE SPECIALTY WEBSITE WWW.SELFSTORAGEECONOMICS.COM





#### THE ECONOMIST



"Over the centuries inflation has moved up and down, but rising inflation has always been caused by excessive monetary expansion, often associated with wars or other strains on government finances. It is alarming, therefore, that monetary and fiscal policies are currently so lax. In the G7 economies the average budget deficit as a share of GDP is almost as big as at any time in the past 50 years, while global monetary policy is, by some measures, at its loosest since the 1970s — when inflation last took off."

The Economist 17 June 2004



#### THE ECONOMIST



"After 13 increases in interest rates, the tide of easy money is now flowing out, and many American households are going to be shockingly exposed. In the words of Warren Buffett, 'It's only when the tide goes out that you can see who's swimming naked."

The Economist 14 January 2006



#### **MOODY'S INVESTORS SERVICE**

"The negative credit implications of the ongoing erosion of conduit loan underwriting, particularly the increase in leverage, now exceed the benefits of generally positive property market fundamentals."

> Moody's Investors Service New York, NY 10 April 2007



#### **NATIONAL TRENDS**

# HOW BAD WAS IT?



#### NATIONAL TRENDS – HOW BAD WAS IT?





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#### NATIONAL TRENDS - HOW BAD WAS IT?



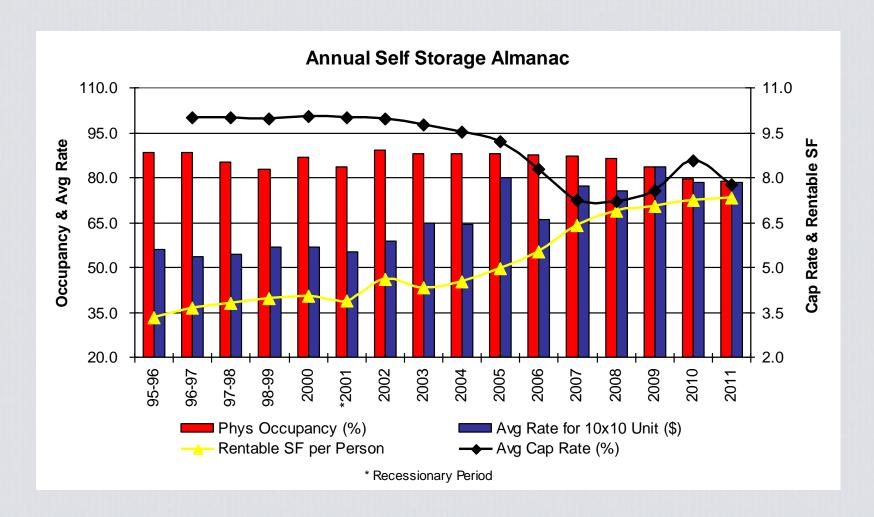


#### **NATIONAL TRENDS**

# WAS SELF STORAGE RECESSION-PROOF?

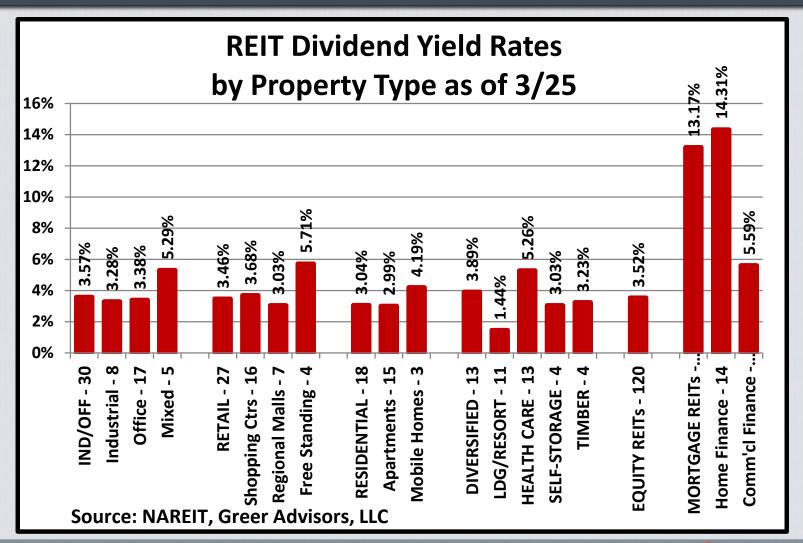


#### **NATIONAL TRENDS**





#### REIT PROPERTY TYPE RETURNS OLD vs NEW





#### CAPITAL MARKETS UPDATE

Туре	Nunber of Loans Orig	Nunber of Loans Current	Delinquency % Total
Co-op Housing	1,333	1,186	0.39
Health Care	659	143	4.25
Industrial	6,861	4,604	2.97
Lodging	5,281	3,530	6.72
Mixed Use	2,541	1,852	3.74
Mobile Home	2,741	1,761	2.88
Multi-Family	22,627	13,021	7.06
Office	15,114	10,904	2.71
Retail	27,556	21,172	4.4
Self Storage	3,544	2,644	2.39
Warehouse	138	15	0
Unknown	3	-	-



#### **CMBS WATCHLIST AND SPECIAL SERVICERS**

#### **Self Storage Properties**

Watch List California: 100

Special Servicers California: 5

Watch List Nationally: 505

Special Servicers Nationally: 52



#### THE LEAF-CHRONICLE



"Rental storage units, once the provenance of furniture packed up between moves, are increasingly used as remote additions to a house. Instead of the home away from home, rental storage units are the garage away from the garage."

The Leaf-Chronicle
Clarksville, TN
30 March 2006



#### **SELF STORAGE: AN EXPORT INDUSTRY**





#### HISTORY OF SELF STORAGE

Assuming the industry is fifty years old, and a 2009 figure of 48,721 facilities nationwide (2010 Self-Storage Almanac), the industry growth rate has been at an average pace of 974.4 facilities per year. This pace beats McDonalds, with over two new self storage facilities being constructed every day in the United States over the last fifty years.





#### **U.S. POPULATION**

1915: 100,000,000

1967: 200,000,000

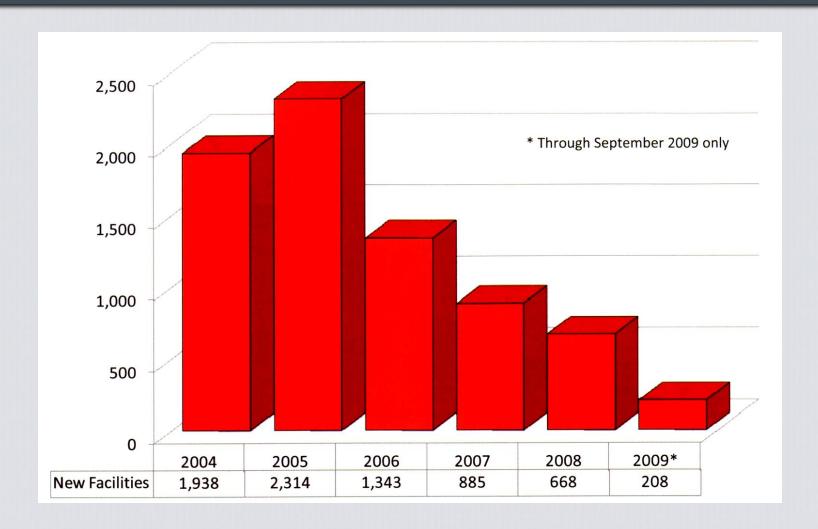
2006: 300,000,000

2009: 305,000,000

2043: 400,000,000



#### **CONSTRUCTION 'STARTS' DECLINE**





#### **INVESTING IN NEW REALITY**

## REFJ

#### The Real Estate Finance Journal

A THOMSON REUTERS PUBLICATION

SUMMER 2010

## Redefining Core Real Estate: Investing in the New Reality

H. Michael Schwartz and R. Christian Sonne\*

In this article, the authors suggest that investors seeking shelter from the recent economic storms would be wise to add self storage to their core real estate asset mix of essential building blocks for balanced and successful portfolios.

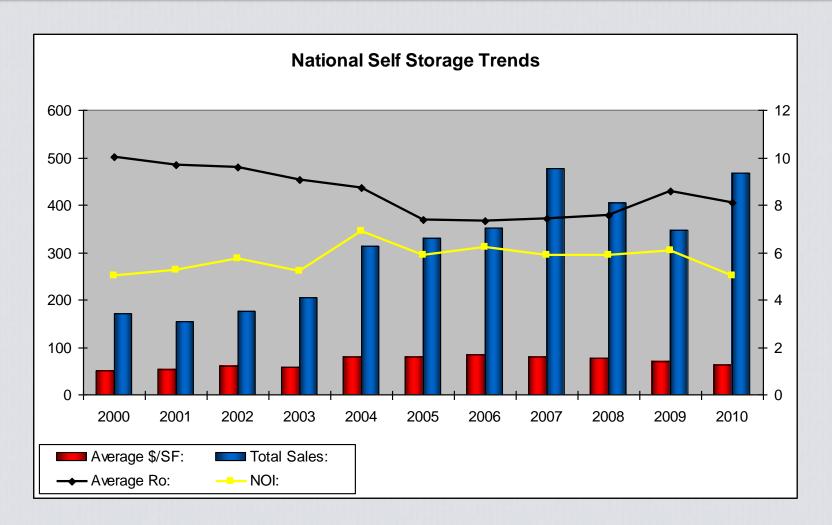


#### NAREIT RETURNS BY SECTOR

Total Annual Returns by Property Sector  (Returns in Percent)									
	Office	Industrial	Retail	Apartments	Self Storage				
Analysis - Calculation Based on NAREIT Data									
5 yr Avg. Retu	rn '05	- '09			11.22				
5 yr Standard Deviation 22.20									
10 yr Avg. Rett		18.24							
10 yr Standard	Devia	ation			20.46				
15 yr Avg. Retu		16.52							
15 yr Standard		20.92							
5 yı standard Deviation	34.55	33.94	29.34	27.40	22.20				
10 yr Avg. Return '00 - '09	12.64	11.00	16.03	13.27	18.24				
10 yr Standard Deviation 15 yr Avg. Return '95 - '09	26.41	28.28 11.64	26.90	12.79	20.46 16.52				
15 yr Standard Deviation	15.53 26.21	24.95	13.35 24.23	20.37	20.92				



#### SELF STORAGE PRICING AND SALES





#### **SELF STORAGE REITS**

EXR

\$16.02

\$39.23

Extra Space Storage, Inc.:

Averages:

		4Q ·	- 2010	4Q	-2009	4Q	-2008	4Q	-2007
Stock:	Ticker:	Price:	Dividend:	Price:	Dividend:	Price:	Dividend:	Price:	Dividend:
Public Storage, Inc.:	PSA	\$96.60	3.31%	\$80.69	2.71%	\$73.41	2.72%	\$73.41	2.70%
Sovran Self Storage:	SSS	\$36.03	5.00%	\$32.00	5.65%	\$40.10	6.28%	\$40.10	6.30%
U-Stor-It Trust:	YSI	\$8.27	1.21%	\$ 6.39	1.59%	\$ 9.16	7.86%	\$ 9.16	12.70%

2.50% \$11.42

3.01% \$32.63

8.89% \$14.29

4.71% \$34.24

**SELF STORAGE REIT STATISTICS & PERFORMANCE** 

		4Q	- 2006	4Q	- 2005	4Q	- 2004	4Q	- 2003
Stock:	Ticker:	Price:	Dividend:	Price:	Dividend:	Price:	Dividend:	Price:	Dividend:
Public Storage, Inc.:	PSA	\$94.45	2.13%	\$70.29	2.85%	\$56.57	3.18%	\$46.45	5.80%
Sovran Self Storage:	SSS	\$55.22	4.47%	\$47.68	5.16%	\$42.48	5.70%	\$36.89	9.30%
U-Stor-It Trust:	YSI	\$19.97	5.82%	\$20.50	5.66%	\$17.00	4.73%		
Extra Space Storage, Inc.:	EXR	\$18.82	4.87%	\$14.80	6.15%	\$13.55	6.72%		
Averages:		\$47.12	4.32%	\$38.32	4.96%	\$32.40	5.08%	\$41.67	7.55%



7.20%

7.23%

7.00% \$14.29

5.97% \$34.24

#### PUBLIC STORAGE

January 31, 2011 - PSA Reached a New 52 Week High at \$108.88 February 1, 2011 - PSA Reached a New 52 Week High at \$109.89 February 7, 2011 - PSA Reached a New 52 Week High at \$110.06 February 8, 2011 - PSA Reached a New 52 Week High at \$110.94

Additionally, over the last 12 months, PSA has increased 45.90% while its peers in the Specialized REITs industry increased 36.88%.

As provided by Charles Schwab



#### **EXTRA SPACE**

February 1, 2011 - EXR Reached a New 52 Week High at \$19.55

February 2, 2011 - EXR Reached a New 52 Week High at \$19.59

February 3, 2011 - EXR Reached a New 52 Week High at \$19.65

February 7, 2011 - EXR Reached a New 52 Week High at \$19.69

February 7, 2011 - Additionally, over the last 12 months, EXR has increased 73.48% while its peers in the Specialized REITs industry increased 37.72%.

As provided by Charles Schwab



#### **KEY INDICATORS**

### (See 2010 Self Storage Investor Survey for additional data)

Time	2010	2009	2008	2007	2006	2005	2004	2003
Trade Area (ra	dius)							
Range	1 - 5	2 - 5	2 - 5	2 - 5	I - 5	I - 5	I - 5	1.5 - 5
Mode	3	3	3	3	3	3	1.5	1.5
Average	3.15	3.21	3.25	3.33	3.14	3.3	2.8	2.82
Change	-1.87%	-1.2%	-2.4%	6.05%	- 4.85%	17.86%	- 0.71%	-
Demand (sq. ft	. per person)							
Range	I - 8	I - 8	1 - 10	3 - 10	2 - 10	3 - 12	2 - 12	2 - 8
Mode	7	6.5	6	6	5	5	4	4
Average	6.98	6.73	6.52	6.12	5.7	5.36	5.27	4.87
Change	3.71%	3.22%	6.54%	7.37%	6.34%	1.71%	8.21%	-
Capitalization	Rate							
Range	6.5% - 9%	6.5% - 9.5%	6% - 9%	6% - 9%	6% - 9%	7% - 10%	7.5% - 11%	8.25% - 11%
Mode	8.5%	8.5%	7.5%	7.25%	7%	8.5%	9%	9.5%
Average	8.45%	8.55%	7.55%	7.19%	7.26%	8.28%	9.19%	9.52%
Change	-10 Basis Points	+100 Basis Points	s +36 Basis Points	-7 Basis Points	-91 Basis Points	-91 Basis Points	-33 Basis Points	-
Absorption Tim	ne (months)							
Range	24 - 48	24 - 48	20 - 40	18 - 36	18 - 43	12 - 44	18 - 40	18 - 36
Mode	36	36	36	30	30	24	24	24
Average	35	34	33	32	30	27	24	23
Change	+1	+1	+1	+2	+3	+3	+1	-
Marketing Time	e (months)						7.	
Range	1 - 12	1 - 12	1 - 12	I - I2	I - 6	I - I2	I - 6	I - I2
Mode	6	8	4	4	4	1	1	1
Average	6.15	7.75	4.31	3.66	3.14	3.06	2.89	3.95
Change	-1.65	+3.44	+0.65	+0.52	+0.08	+0.17	-1.06	-
Profit (on cost	only)	<u> </u>						
Range	10% - 15%	10% - 20%	10% - 20%	10% - 25%	15% - 25%	10% - 30%	8% - 25%	8% - 30%
Mode	12%	15%	15%	18%	20%	20%	20%	20%
Average	12.5%	14.96%	15.86%	17.63%	20.13%	20.14%	17.10%	14.34%
Change	-16.44%	-5.67%	-10.04%	-12.42%	_	17.78%	19.25%	_

Source: Cushman & Wakefield Self Storage Industry Group



#### **KEY INDICATORS**

(See 2010 Self Storage Investor Survey for additional data)

Time	2010	2009	2008	2007	2006	2005	2004	2003
Optimism Index (I -	10)							
Range	3 - 9	I - 8	3 - 9	3 - 9	3 - 9	3 - 9	5 - 10	5 - 10
Mode	6	5	6	6	7	6.5	7	7
Average	6.15	5.5	6	6.25	6.5	6.65	6.9	6.83
Change	11.82%	-8.33%	-4%	-3.85%	-2.26%	-3.62%	1.02%	-
Market Conditions								
Undersupplied	10%	10%	10%	6%	15%	15%	3%	6%
Oversupplied	60%	65%	63%	52%	50%	50%	54%	47%
Equilibrium	30%	25%	27%	42%	35%	35%	40%	47%
Strategy								
Buy	40%	20%	27%	15%	18%	20%	27%	28%
Sell	45%	60%	55%	60%	50%	60%	46%	26%
Build	15%	20%	18%	25%	32%	20%	27%	30%
Discounted Cash Flow	v							
Usage	33%	36%	33%					
Discount Rate (IRR)								
Range	10% - 12%	10% - 12%	10% - 12%					
Average	11.25%	11.5%	10.75%					
Change (Basis Points)	25	75	25					
Rental Growth Rate	3%	2%	3%					
Expenses Growth Rate	3% - 4%	3% - 4%	3% - 4%					
Terminal Cap Rage	+50 bp	+50 bp	+50 bp					
Cost of Sales	4%	4%	4%					
Holding Period	10 years	10 years	10 years					

Source: Cushman & Wakefield Self Storage Industry Group



#### **KEY INDICATORS**

Table DSS-1

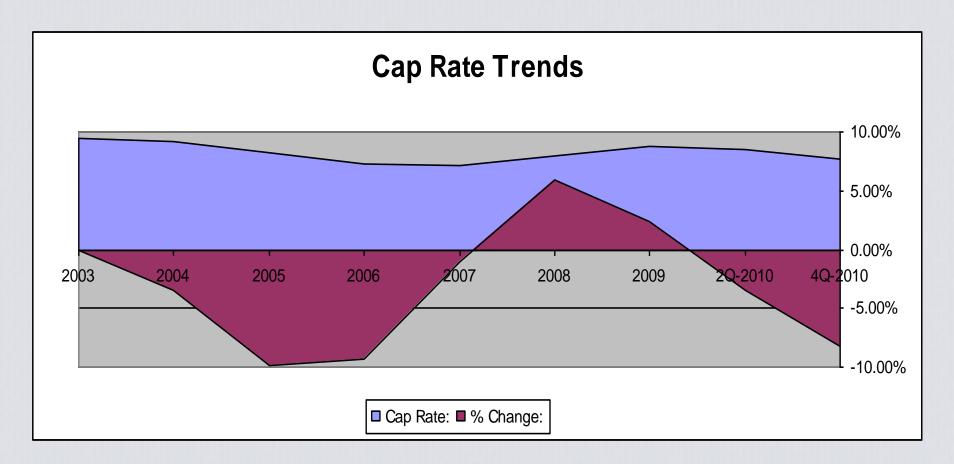
#### DOMESTIC SELF-STORAGE MARKET

Second Half 2010

	SECOND HALF 2010	FIRST HALF 2010	SECOND HALF 2009
DISCOUNT RATE (IRR) <sup>a</sup>			
Range	10.00% - 12.00%	10.00% - 13.00%	10.00% - 13.00%
Average	10.75%	11.50%	11.50%
Change (Basis Points)		<b>- 75</b>	- 75
OVERALL CAP RATE (OAR) <sup>a</sup>			
Range	7.00% - 9.50%	7.00% - 10.00%	7.00% - 10.00%
Average	7.75%	8.45%	8.75%
Change (Basis Points)		- 70	- 100
RESIDUAL CAP RATE			
Range	8.00% - 10.50%	8.00% - 10.50%	8.00% - 10.50%
Average	9.00%	8.75%	9.00%
Change (Basis Points)		- 25	0

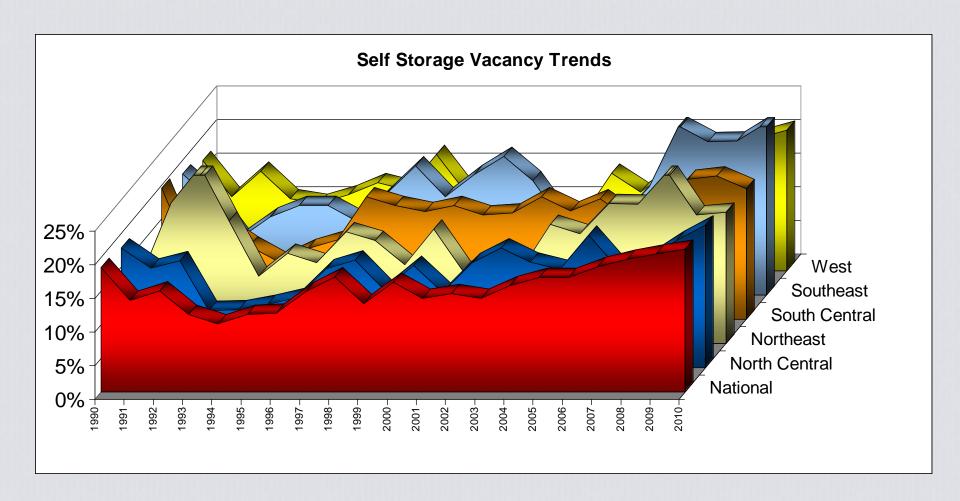


#### **CAP RATE TRENDS**





#### **VACANCY TRENDS**





#### DATA IS BETTER THAN GUESSING





#### DATA IS NOT ROCKET SCIENCE



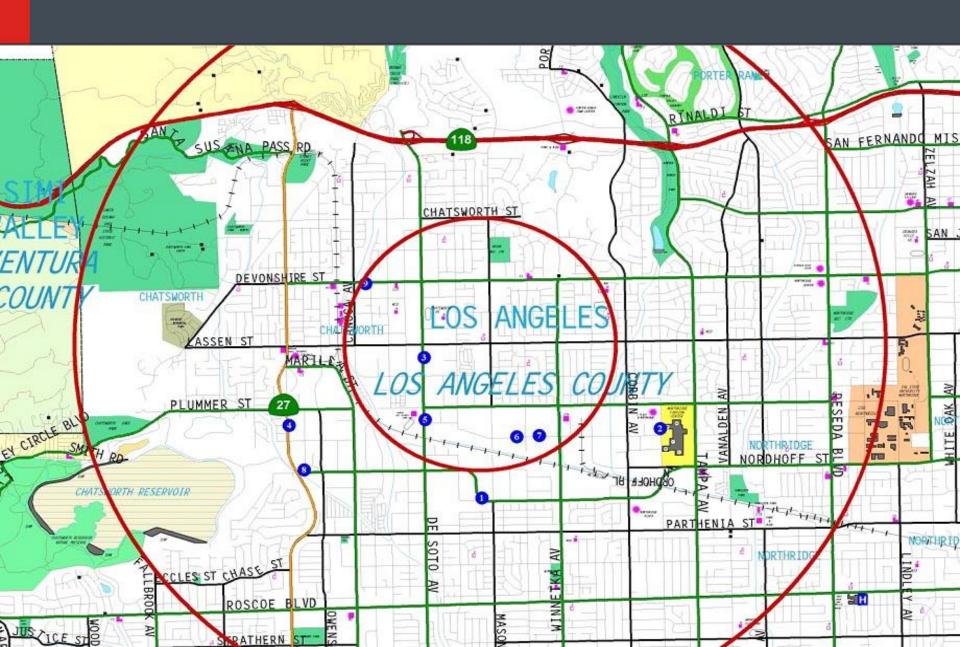


#### **MARKET ANALYSIS**





#### MARKET ANALYSIS MAP



#### **MARKET ANALYSIS**

#	Name	Location	Age	Levels	Units	Area SF	Occupancy	Occupied SF
1)	West Valley Mini Stg	20525 Nordhoff Street	1975	2	700	63,000	80%	50,400
2)	Public Storage	9341 Shirley Avenue	1975	1	796	59,875	95%	56,881
3)	Public Storage	9818 De Soto Avenue	1974	1	772	92,800	91%	84,355
4)	Public Storage	9350 Topanga Canyon Blvd.	1973	1	270	47,090	91%	42,852
5)	EZ Storage	9420 De Soto Avenue	1986	3	1,000	118,411	90%	106,570
6)	U-Store Self Storage	20351 Prairie Street	1977	1	635	59,850	90%	62,865
7)	Storage USA	20221 Prairie Street	1974	1	1,096	106,290	95%	100,976
8)	AAA Self Storage	9111 Jordan Avenue	1987	1	997	118,107	98%	115,745
9)	U-Haul	21326 Devonshire Street	1986	1	31	2,790	100%	2,790
-	<b>Polygon Total</b>		1979	1	6,297	678,213	92%	623,434



#### **ECONOMETRIC DEMAND MODEL**

	Table 2: Self S	Storage Econo	omics - Econ	ometric Den	nan	d Model		
	Occupied:	Population:	% Renters:	Household:	HI	H Income:	Demand:	Estimate:
El Monte Ring:	316,051	151,266	44.78%	4.08	\$	60,078	2.09	4.80
Las Vegas Polygon:	369,720	52,816	44.78%	2.47	\$	66,293	7.00	5.53
Corona:	399,836	111,500	28.20%	3.34	\$	66,391	3.59	4.23
Santa Clarita:	692,979	147,000	26.26%	3.05	\$	81,363	4.71	3.90
Van Nuys:	930,850	208,553	64.70%	2.55	\$	56,187	4.46	4.99
Orange:	638,520	148,753	36.80%	2.95	\$	78,297	4.29	4.40
Cypress:	185,006	42,427	28.40%	3.00	\$	67,400	4.36	4.86
Colton:	179,239	44,633	43.07%	2.89	\$	33,005	4.02	5.23
Hesperia:	314,183	66,152	26.40%	3.06	\$	30,978	4.75	4.13
Foothill Ranch:	269,886	56,663	30.00%	2.80	\$	66,383	4.76	4.76
Aliso Viejo:	405,624	111,145	30.10%	2.28	\$	52,059	3.65	3.99
Pasadena:	555,080	137,100	53.70%	2.60	\$	47,800	4.05	5.01
Thousand Oaks:	456,678	140,975	23.10%	2.75	\$	101,095	3.24	3.96
Costa Mesa/Newport:	766,039	171,200	49.60%	2.48	\$	49,918	4.47	4.46
Santa Ana:	732,181	305,800	49.40%	4.23	\$	34,204	2.39	3.29
Cerritos:	653,297	243,498	16.00%	3.54	\$	52,555	2.68	2.19
Simi Valley:	373,975	113,069	23.60%	3.12	\$	78,523	3.31	4.07
Fountain Valley:	958,674	365,388	24.00%	3.14	\$	61,984	2.62	1.47
Anaheim:	467,785	56,554	58.70%	3.24	\$	47,602	8.27	6.17
Average:	508,716	140,763	36.93%	3.03		\$59,585	4.14	4.29



#### **ECONOMETRIC DEMAND MODEL**

#### SUMMARY OUTPUT

Regression S	tatistics
Multiple R	0.771226471
R Square	0.59479027
Adjusted R Square	0.470110353
Standard Error	1.058167148
Observations	18

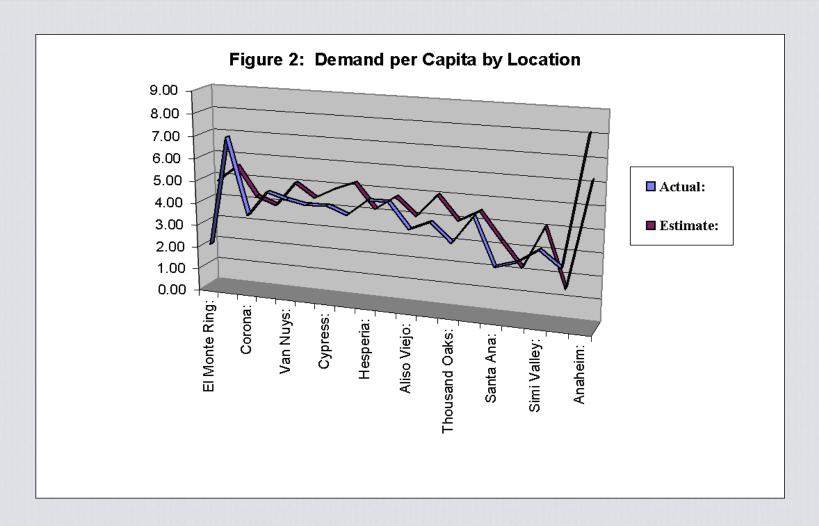
#### ANOVA

	df	SS	MS	F	Significance F
Regression	4	21.36662316	5.34165579	4.770537903	0.013712083
Residual	14	14.55633027	1.119717713		
Total	18	35.92295343			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2.475366889	2.774616533	0.892147387	0.38852945	-3.518826547	8.469560325	-3.518826547	8.469560325
X Variable 1	-9.68493E-06	3.10438E-06	-3.119765618	0.00813142	-1.63915E-05	-2.97833E-06	-1.63915E-05	-2.97833E-06
X Variable 2	5.341204829	2.109667803	2.531775297	0.025040781	0.78354551	9.898864149	0.78354551	9.898864149
X Variable 3	0.178586569	0.664910507	0.268587376	0.792462299	-1.257864974	1.615038111	-1.257864974	1.615038111
X Variable 4	1.10859E-05	1.62641E-05	0.681617753	0.507442649	-2.40505E-05	4.62223E-05	-2.40505E-05	4.62223E-05



#### **ECONOMETRIC DEMAND MODEL**





#### POTENTIAL GROSS INCOME

M	ARKET REN	T FOF	RECAST	- ALI	L UNITS				
No.	Unit Type	No. Units	(%) Unit Occupancy	Drive-Up	Asking Rent \$/Month/Unit	Actual Rent \$/Month/Unit	C&W Estimated Market Rent \$/Month/Unit	C&W Forecast Rent \$/Year	C&W Forecast Rent \$/SF/Year
1	5 x 4	4	100.00	Х	\$30	\$30	\$31	\$1,488	
2	5 x 5	7	71.43	Х	\$45	\$36	\$38	\$3,192	
3	5 x 9	9	100.00	Х	\$59	\$53	\$56	\$6,048	
4	8 x 6	1	100.00	Х	\$64	\$60	\$59	\$708	\$14.75
5	5 x 10	5	100.00	Х	\$64	\$58	\$61	\$3,660	
6	6 x 9	1	100.00	Χ	\$69	\$60	\$65	\$780	\$14.44
7	5 x 11	3	100.00	Х	\$69	\$69	\$66	\$2,376	\$14.40
8	10 x 9	22	95.45	Х	\$99	\$89	\$89	\$23,496	\$11.87
9	10 x 10	4	75.00	Х	\$109	\$73	\$90	\$4,320	\$10.80
10	10 x 14	2	50.00	Х	\$119	\$119	\$110	\$2,640	\$9.43
11	10 x 15	82	53.66	Х	\$129	\$92	\$105	\$103,320	\$8.40
12	12 x 16	3	66.67	Х	\$165	\$155	\$150	\$5,400	\$9.38
13	10 x 20	4	100.00	Х	\$159	\$150	\$155	\$7,440	\$9.30
14	9 x 30	3	100.00	Х	\$199	\$177	\$180	\$6,480	\$8.00
15	10 x 30	29	89.66	Х	\$219	\$186	\$195	\$67,860	
Total					\$129	\$106	\$111	\$239,208	\$8.85

Source: Cushman & Wakefield Self Storage Industry Group.



### **Western Region Operating Expenses**

:	2009 Nation	al Operating Exp	enses	
	Ra	nge		
	Low \$/SF	High \$/SF	Average \$/SF	% of Expenses
Taxes	\$0.03	\$3.54	\$0.52	14.17%
Insurance	\$0.01	\$2.33	\$0.18	4.75%
Repairs & Maintenance	\$0.01	\$3.14	\$0.24	6.49%
Administration	\$0.01	\$4.76	\$0.44	11.91%
On-Site Management	\$0.01	\$5.58	\$0.86	23.30%
Off-Site Management	\$0.01	\$2.12	\$0.49	13.19%
Utilities	\$0.01	\$5.59	\$0.30	8.16%
Advertising	\$0.01	\$4.80	\$0.25	6.85%
Miscellaneous	\$0.01	\$5.62	\$0.41	11.19%
Total Expenses	\$0.09	\$37.48	\$3.69	100.00%
Expense/Income Ratio*			41.80%	
\$/SF Change from 2008:			-9.73%	
Total Facilities Responding	9	572		
Total Rentable Area (SF)		29,509,563		
Average Rentable Area (S	SF)	51,590		
Average Concessions Co	st (%)	4.49%		
Average Vacancy Cost(%	)	11.27%		

Source: 2010 Expense Guide Book



# INCOME SUMMARY / DIRECT CAPITALIZATION

SUMMARY OF REVENUE AND EXPENSES			
Stabilized Year For Direct Capitalization:	Year Three		
POTENTIAL GROSS REVENUE	Annual	\$/SF	% of EGI
Actual Rent (Occupied Storage Units)	\$349,095	\$4.66	
Plus Market Rent (Vacant Storage Units)	\$270,906	\$3.62	
Less Rent Loss (Non-Revenue Units)	\$0	\$0.00	
Base Rental Revenue - Storage Units	\$620,002	\$8.28	
Base Rental Revenue - Other	\$0	\$0.00	
Base Rental Revenue - Total	\$620,002	\$8.28	
Other Revenue	31,072	0.42	
TOTAL POTENTIAL GROSS REVENUE	\$651,074	\$8.70	
Vacancy and Collection Loss	(130,215)	(1.74)	
EFFECTIVE GROSS REVENUE	\$520,859	\$6.96	100.00%
OPERATING EXPENSES			
Taxes	\$43,889	\$0.59	8.43%
Insurance	11,670	0.16	2.24%
Repairs & Maintenance	19,627	0.26	3.77%
Administration	19,627	0.26	3.77%
On-Site Management	58,350	\$0.78	11.20%
Off-Site Management	26,043	0.35	5.00%
Utilities	11,670	0.16	2.24%
Advertising	28,644	0.38	5.50%
Miscellaneous	757	0.01	0.15%
Total Operating Expenses	\$220,276	\$2.94	42.29%
TOTAL EXPENSES	\$220,276	\$2.94	42.29%
NET OPERATING INCOME	\$300,583	\$4.02	57.71%
Compiled by Cushman & Wakefield Western, Inc.	<b>, ,</b>	, -	
DIRECT CAPITALIZATION METHOD			
Market Value As Is			
NET OPERATING INCOME	\$300,583	\$4.02	
Sensitivity Analysis (0.25% OAR Spread)	Value	\$/SF	
Based on Low-Range of 8.25%	\$3,643,427	\$48.68	
Based on Most Probable Range of 8.50%	\$3,536,268	\$47.24	
Based on High-Range of 8.75%	\$3,435,231	\$45.89	
Reconciled Value	\$3,536,268	\$47.24	
LESS Curable Depreciation	\$0	\$0.00	
Adjusted Value	\$3,536,268	\$47.24	
Rounded to nearest \$100,000	\$3,500,000	\$46.76	



#### **DISCOUNTED CASH FLOW**

		<u> </u>	Stabilized Year											Annual Growth
For the Years Beginning For the Years Ending	1 Feb-10 Feb-11	2 Feb-11 Feb-12	3 Feb-12 Feb-13	4 Feb-13 Feb-14	5 Feb-14 Feb-15	6 Feb-15 Feb-16	7 Feb-16 Feb-17	8 Feb-17 Feb-18	9 Feb-18 Feb-19	10 Feb-19 Feb-20	11 Feb-20 Feb-21	12 Feb-21 Feb-22	13 Feb-22 Feb-23	Year 3 Year 1
POTENTIAL GROSS REVENUE														
Actual Rent (Occupied Storage Units)	\$322,758	\$335,668	\$349,095	\$363.059	\$377,581	\$392.684	\$408,392	\$424,728	\$441.717	\$459.385	\$477,761	\$496,871	\$516,746	4.00
Plus Market Rent (Vacant Storage Units)	\$263,016	\$263,016	\$270,906	\$279,034	\$287,405	\$296,027	\$304,908	\$314,055	\$323,477	\$333,181	\$343,176	\$353,472	\$364,076	3.00
Less Rent Loss (Non-Revenue Units)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Base Rental Revenue - Storage Units	\$585,774	\$598,684	\$620,002	\$642,093	\$664,986	\$688,711	\$713,299	\$738,782	\$765,193	\$792,566	\$820,937	\$850,343	\$880,822	3.57
Self Storage Rental Rate/SF	\$7.83	\$8.00	\$8.28	\$8.58	\$8.88	\$9.20	\$9.53	\$9.87	\$10.22	\$10.59	\$10.97	\$11.36	\$11.77	3.57
Base Rental Revenue - Parking	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Base Rental Revenue - Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Base Rental Revenue - Total	\$585,774	\$598,684	\$620,002	\$642,093	\$664,986	\$688,711	\$713,299	\$738,782	\$765,193	\$792,566	\$820,937	\$850,343	\$880,822	3.5
Expense Reimbursement Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Miscellaneous Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Other Revenue	\$29,289	\$30,167	\$31,072	\$32,005	\$32,965	\$33,954	\$34,972	\$36,021	\$37,102	\$38,215	\$39,362	\$40,542	\$41,759	3.00
TOTAL POTENTIAL GROSS REVENUE	\$615,063	\$628,852	\$651,074	\$674,097	\$697,951	\$722,665	\$748,272	\$774,804	\$802,295	\$830,781	\$860,298	\$890,885	\$922,580	3.55
Vacancy and Collection Loss	-\$246,025	-\$188,656	-\$130,215	-\$134,819	-\$139,590	-\$144,533	-\$149,654	-\$154,961	-\$160,459	-\$166,156	-\$172,060	-\$178,177	-\$184,516	3.5
EFFECTIVE GROSS REVENUE	\$369,038	\$440,196	\$520,859	\$539,278	\$558,360	\$578,132	\$598,617	\$619,843	\$641,836	\$664,625	\$688,239	\$712,708	\$738,064	3.5
OPERATING EXPENSES														
Taxes	\$42,185	\$43,028	\$43,889	\$44,767	\$45,662	\$46,575	\$47,507	\$48,457	\$49,426	\$50,415	\$51,423	\$52,451	\$53,501	2.00
Insurance	\$11,000	\$11,330	\$11,670	\$12,020	\$12,381	\$12,752	\$13,135	\$13,529	\$13,934	\$14,353	\$14,783	\$15,227	\$15,683	3.00
Repairs & Maintenance	\$18,500	\$19,055	\$19,627	\$20,215	\$20,822	\$21,447	\$22,090	\$22,753	\$23,435	\$24,138	\$24,862	\$25,608	\$26,377	3.00
Administration	\$18,500	\$19,055	\$19,627	\$20,215	\$20,822	\$21,447	\$22,090	\$22,753	\$23,435	\$24,138	\$24,862	\$25,608	\$26,377	3.00
On-Site Management	\$55,000	\$56,650	\$58,350	\$60,100	\$61,903	\$63,760	\$65,673	\$67,643	\$69,672	\$71,763	\$73,915	\$76,133	\$78,417	3.0
Off-Site Management	\$26,043	\$26,043	\$26,043	\$26,964	\$27,918	\$28,907	\$29,931	\$30,992	\$32,092	\$33,231	\$34,412	\$35,635	\$36,903	3.5
Utilities	\$11,000	\$11,330	\$11,670	\$12,020	\$12,381	\$12,752	\$13,135	\$13,529	\$13,934	\$14,353	\$14,783	\$15,227	\$15,683	3.00
Advertising	\$27,000	\$27,810	\$28,644	\$29,504	\$30,389	\$31,300	\$32,239	\$33,207	\$34,203	\$35,229	\$36,286	\$37,374	\$38,496	3.00
Miscellaneous	\$714	\$735	\$757	\$780	\$804	\$828	\$853	\$878	\$904	\$932	\$960	\$988	\$1,018	3.00
Total Operating Expenses	\$209,942	\$215,037	\$220,276	\$226,585	\$233,081	\$239,767	\$246,652	\$253,740	\$261,037	\$268,551	\$276,287	\$284,252	\$292,454	2.8
TOTAL EXPENSES	\$209.942	\$215,037	\$220,276	\$226.585	\$233.081	\$239,767	\$246.652	\$253,740	\$261.037	\$268,551	\$276,287	\$284.252	\$292.454	2.8
Operating Expense Ratio	56.9%	48.9%	42.3%	42.0%	41.7%	41.5%	41.2%	40.9%	40.7%	40.4%	40.1%	39.9%	39.6%	-0.6
NET OPERATING INCOME	\$159,096	\$225,159	\$300,583	\$312,692	\$325,280	\$338,365	\$351,966	\$366,103	\$380,799	\$396,074	\$411,952	\$428,456	\$445,610	4.02
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Capital Reserves	\$14,970	\$15,419	\$15,882	\$16,358	\$16,849	\$17,354	\$17,875	\$18,411	\$18,964	\$19,532	\$20,118	\$20,722	\$21,344	3.0
Capital Deductions	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$00.440	\$0	\$0	
CAPITAL RESERVES	\$14,970	\$15,419	\$15,882	\$16,358	\$16,849	\$17,354	\$17,875	\$18,411	\$18,964	\$19,532	\$20,118	\$20,722	\$21,344	3.0
CASH FLOW BEFORE DEBT SERVICE	\$144,126	\$209,740	\$284,701	\$296,334	\$308,431	\$321,010	\$334,091	\$347,692	\$361,836	\$376,542	\$391,834	\$407,734	\$424,267	4.0
Implied Overall Rate	5.20%	7.35%	9.82%	10.21%	10.62%	11.05%	11.49%	11.95%	12.43%	12.93%	13.45%	13.99%	14.55%	
Cash on Cash Return	4.71%	6.85%	9.30%	9.68%	10.07%	10.48%	10.91%	11.35%	11.82%	12.30%	12.79%	13.31%	13.85%	



### **DISCOUNTED CASH FLOW**

Assumptions	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13
Self Storage Rental Rate/SF	\$8.03	\$8.03	\$8.27	\$8.51	\$8.77	\$9.03	\$9.30	\$9.58	\$9.87	\$10.17	\$10.47	\$10.79	\$11.11
Rent Growth (Market)	-	0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Rent Growth (Income in place)	-	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Other Income Growth	-	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Vacancy & Collection Loss	40.00%	30.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
Expense Growth	-	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Tax Growth	-	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Management % EGI (1)	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Capital Reserves \$/SF	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$0.25	\$0.26	\$0.27	\$0.28	\$0.29

<sup>(1)</sup> Management fee in unstabilized years is set to equate with management fee of first stabilized year.

Terminal		Discount Rate											
Cap Rates	11.25%		11.50%		11.75%		12.00%		12.25%				
8.50%	\$ 3,259,403	\$	3,197,008	\$	3,136,175	\$	3,076,860	\$	3,019,020				
8.75%	\$ 3,219,396	\$	3,158,064	\$	3,098,264	\$	3,039,952	\$	2,983,086				
9.00%	\$ 3,181,611	\$	3,121,283	\$	3,062,458	\$	3,005,094	\$	2,949,148				
9.25%	\$ 3,145,869	\$	3,086,491	\$	3,028,589	\$	2,972,120	\$	2,917,045				
9.50%	\$ 3,112,008	\$	3,053,530	\$	2,996,502	\$	2,940,882	\$	2,886,632				
Cost of Sale at	Reversion:				4.00%								
Percent Residu	ıal:				45.73								
Rounded to n	earest \$25.	000		\$	3,050,000								

PRICING MAT	RIX - Prospec	ctiv	e Value Up	on	Stabilizatio	n				
Terminal Cap Rates	11.50%		11.75%	_	Discount Rate 12.00%	12.25%	12.25%			
7.50%	\$ 3,830,101	\$	3,766,612	\$	3,704,508	\$	3,643,754	\$	3,584,317	
8.25%	\$ 3,655,510	\$	3,595,887	\$	3,537,556	\$	3,480,483	\$	3,424,638	
9.00%	\$ 3,510,017	\$	3,453,616	\$	3,398,429	\$	3,344,424	\$	3,291,572	
9.75%	\$ 3,386,907	\$	3,333,233	\$	3,280,706	\$	3,229,297	\$	3,178,978	
10.50%	\$ 3,281,384	\$	3,230,048	\$	3,179,801	\$	3,130,617	\$	3,082,469	
Cost of Sale at R	eversion:				4.00%					
Percent Residua	l:		50.44%							
Rounded to near	est \$100,000				\$3,400,000					



## CAP RATE CALAMITY: IMPACT OF RISING INTEREST RATES ON CAP RATES AND VALUES

For purposes of analysis, the return to equity will be based on 7 percent. The analysis is summarized as follows:

TYPICAL LOAN TERMS	
	0.000/
Mortgage Rate	6.00%
Amortization Term (Years)	30
Num of Payments	360
Loan-to-Value Ratio (M)	65.00%
Equity Ratio (E)	35.00%
Mortgage Constant (R <sub>M</sub> )	7.19%
Compiled by Cushman & Wakefield Western, Inc.	

Equity Dividend Rate (R<sub>F</sub>)

Compiled by Cushman & Wakefield Western, Inc.

Mortgage Ratio	65.00%	
Annual Mortgage Constant	7.19%	
Mortgage Component		4.68%
Equity Ratio	35.00%	
Equity Dividend Rate	8.00%	
Equity Component		2.80%
Indicated Overall Rate (R <sub>o</sub> )		7.48%

Equity returns often decline as capital declines and in part of the concomitant herd mentality of investors. Additionally, leverage ratios may increase and debt coverage ratios decrease, causing upward pressure on asset pricing.

8.00%



#### PRICING ELASTICITY

#### **All-Cash and Leveraged Pricing Matrices**

<u>All-Cash</u>											
Purchase	Price	Capitalization Rate					Cash-on-Cash Return				IRR
\$ Amount	\$ PSF	Year 1	Year 2	Year 3	Year 4	Year 5	Year 3	Year 5	Year 7	Year 10	Year 10
9,600,000	137.61	7.73%	8.88%	9.15%	9.43%	9.71%	8.99%	9.55%	10.13%	11.08%	10.61%
9,500,000	136.18	7.81%	8.97%	9.25%	9.53%	9.81%	9.09%	9.65%	10.24%	11.20%	10.77%
9,400,000	134.75	7.90%	9.07%	9.34%	9.63%	9.92%	9.19%	9.75%	10.35%	11.32%	10.93%
9,300,000	133.31	7.98%	9.17%	9.44%	9.73%	10.02%	9.29%	9.86%	10.46%	11.44%	11.10%
9,200,000	131.88	8.07%	9.27%	9.55%	9.84%	10.13%	9.39%	9.96%	10.58%	11.57%	11.27%
9,100,000	130.45	8.16%	9.37%	9.65%	9.94%	10.25%	9.49%	10.07%	10.69%	11.69%	11.44%
9,000,000	129.01	8.25%	9.47%	9.76%	10.05%	10.36%	9.59%	10.18%	10.81%	11.82%	11.61%
8,900,000	127.58	8.34%	9.58%	9.87%	10.17%	10.48%	9.70%	10.30%	10.93%	11.96%	11.79%
8,800,000	126.15	8.44%	9.69%	9.98%	10.28%	10.59%	9.81%	10.42%	11.06%	12.09%	11.97%
8,700,000	124.71	8.53%	9.80%	10.10%	10.40%	10.72%	9.93%	10.54%	11.18%	12.23%	12.15%
8,600,000	123.28	8.63%	9.91%	10.21%	10.52%	10.84%	10.04%	10.66%	11.31%	12.37%	12.34%

Acquisition Cost			Cash-	Cash-on-Cash Return				Fees &		IRR (Hold)
\$ Amount	\$ PSF	Year 1	Year 2	Year 3	Year 4	Year 5	Amount	Costs	Equity	Year 10
9,600,000	137.61	8.85%	12.05%	12.80%	13.56%	14.35%	6,240,000	62,400	3,422,400	16.62%
9,500,000	136.18	8.94%	12.18%	12.93%	13.70%	14.50%	6,175,000	61,750	3,386,750	16.97%
9,400,000	134.75	9.04%	12.31%	13.07%	13.85%	14.65%	6,110,000	61,100	3,351,100	17.31%
9,300,000	133.31	9.14%	12.44%	13.21%	14.00%	14.81%	6,045,000	60,450	3,315,450	17.66%
9,200,000	131.88	9.23%	12.58%	13.35%	14.15%	14.97%	5,980,000	59,800	3,279,800	18.02%
9,100,000	130.45	9.34%	12.72%	13.50%	14.31%	15.14%	5,915,000	59,150	3,244,150	18.38%
9,000,000	129.01	9.44%	12.86%	13.65%	14.46%	15.30%	5,850,000	58,500	3,208,500	18.74%
8,900,000	127.58	9.55%	13.00%	13.80%	14.63%	15.48%	5,785,000	57,850	3,172,850	19.11%
8,800,000	126.15	9.65%	13.15%	13.96%	14.79%	15.65%	5,720,000	57,200	3,137,200	19.48%
8,700,000	124.71	9.77%	13.30%	14.12%	14.96%	15.83%	5,655,000	56,550	3,101,550	19.86%
8,600,000	123.28	9.88%	13.46%	14.28%	15.14%	16.02%	5,590,000	55,900	3,065,900	20.24%
(1) Assumes 65% debt financing at an annual interest rate of					6.00% , am	ortized over	30 years with	loan fees and points	of 1.00%	



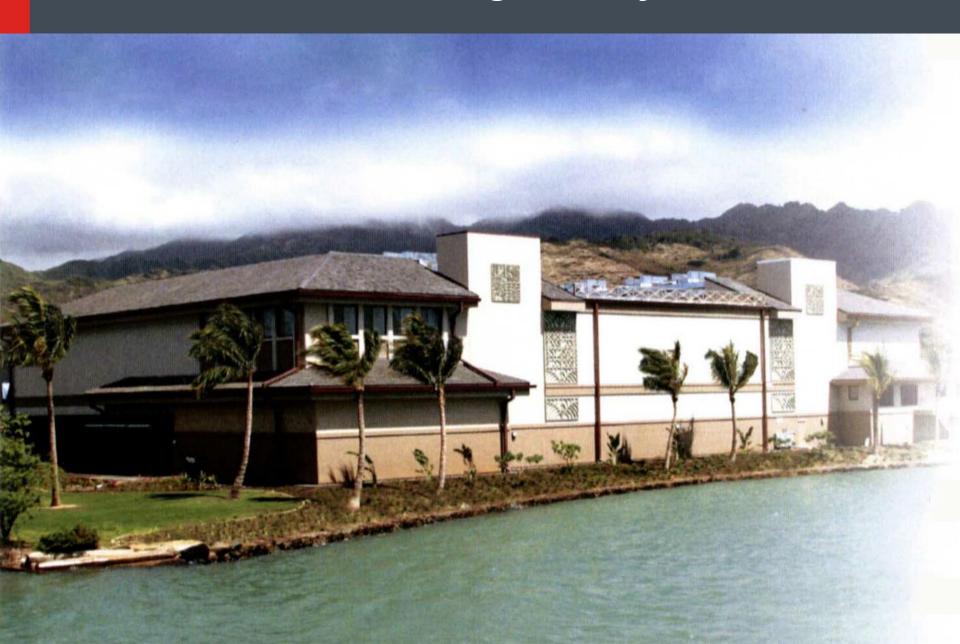
# SPECIAL TOPICS IN CALAMITY PHYSICS & SELF STORAGE



### Yes....it's a self storage facility with a view.



## Yes...another self storage facility...



## QUESTIONS

Self Storage Industry...presented by Everett Allen Greer

April 7, 2011



#### **Questions / Answers**

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