

TIMING IS EVERYTHING

INVESTING IN SECONDARY REAL ESTATE MARKETS

Thursday November 6 24 2014 Tulsa Trends Conference
National Association of Industrial and Office Properties

Sam Chandan PhD

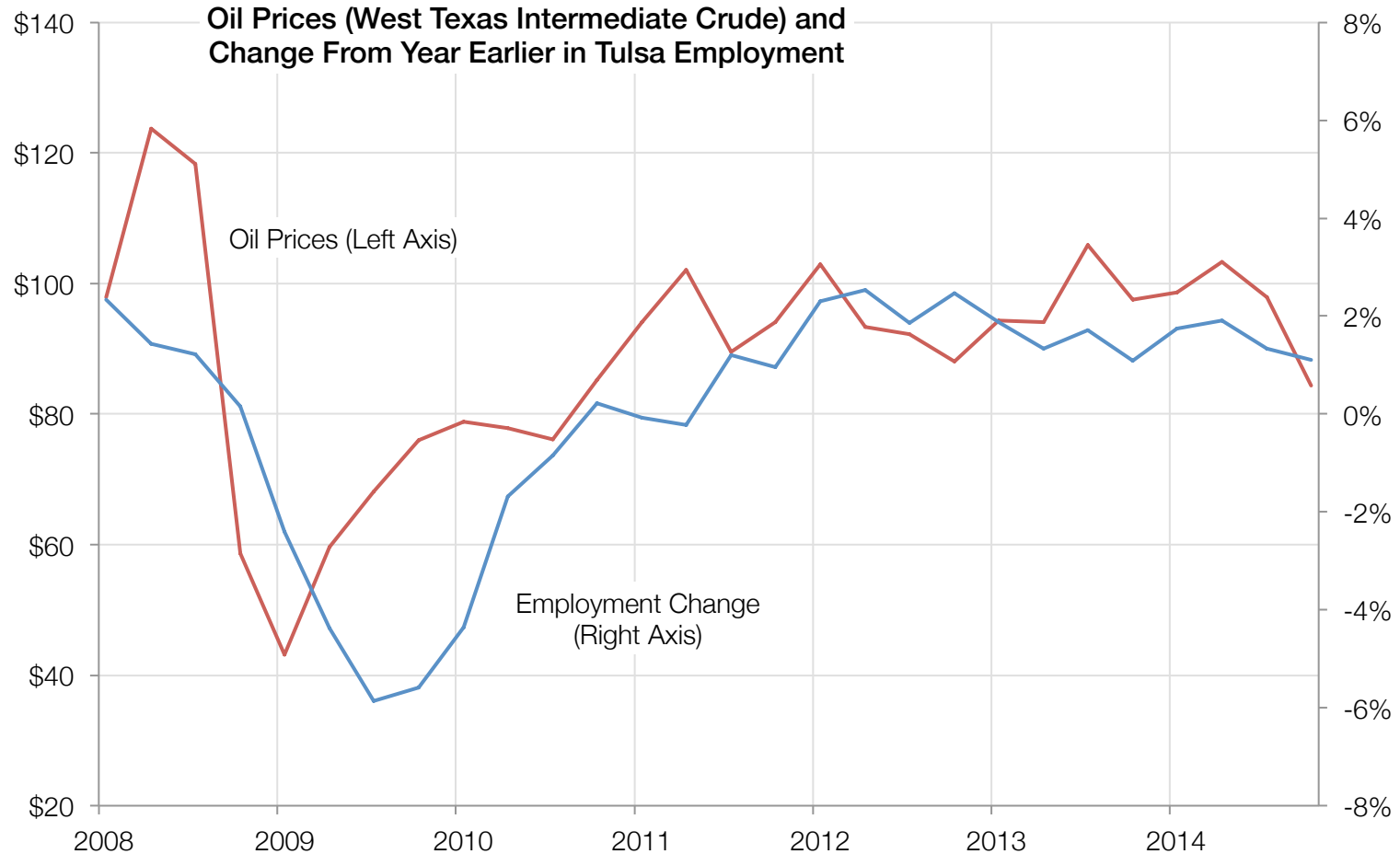
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ENERGY PRICES AND THE TULSA ECONOMY



SECONDARY MARKET QUESTIONS FOR 2015

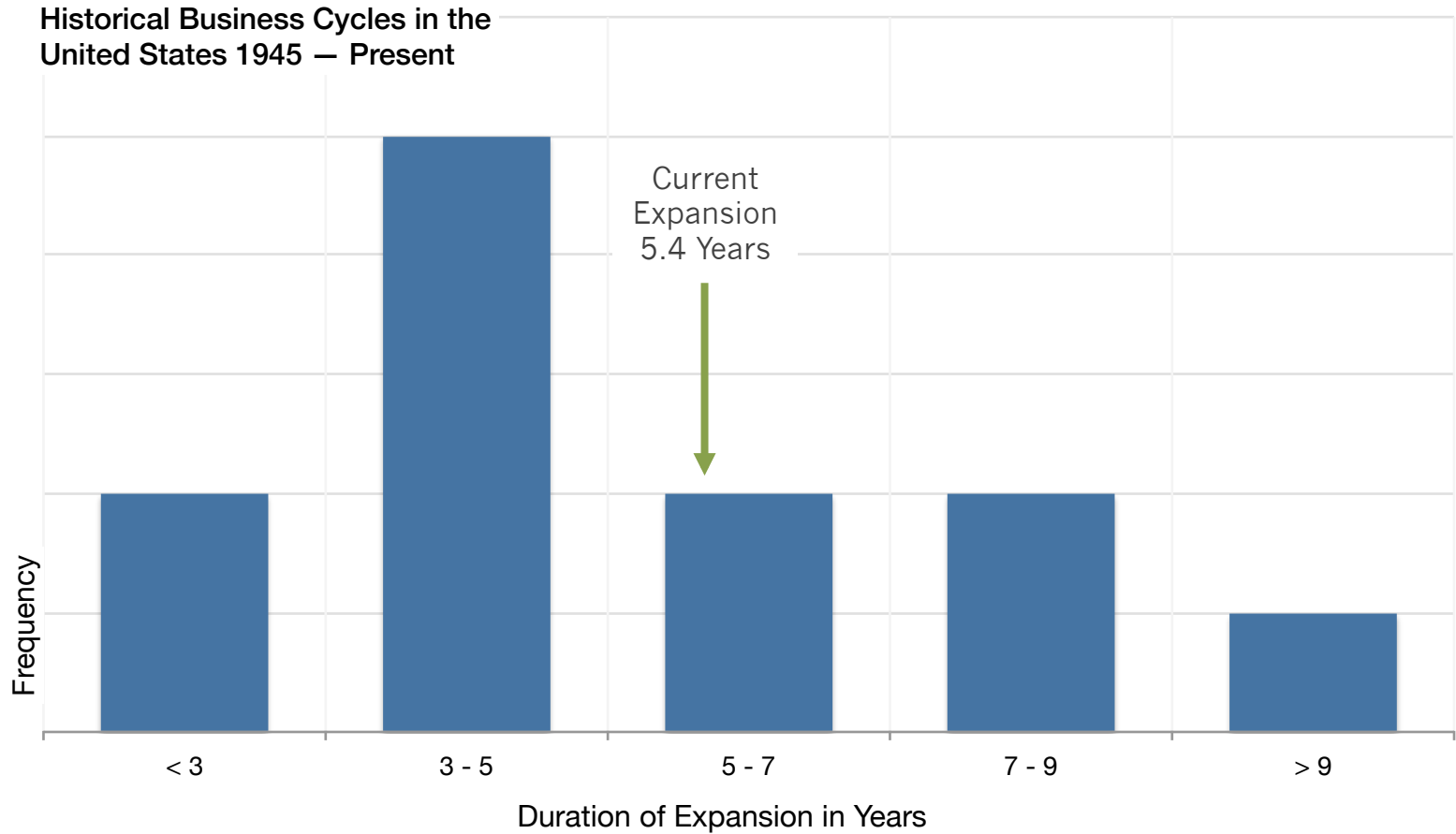
1 LOCAL ECONOMIES HEADWINDS OR TAILWINDS

2 INTEREST RATES ASKING THE WRONG QUESTION

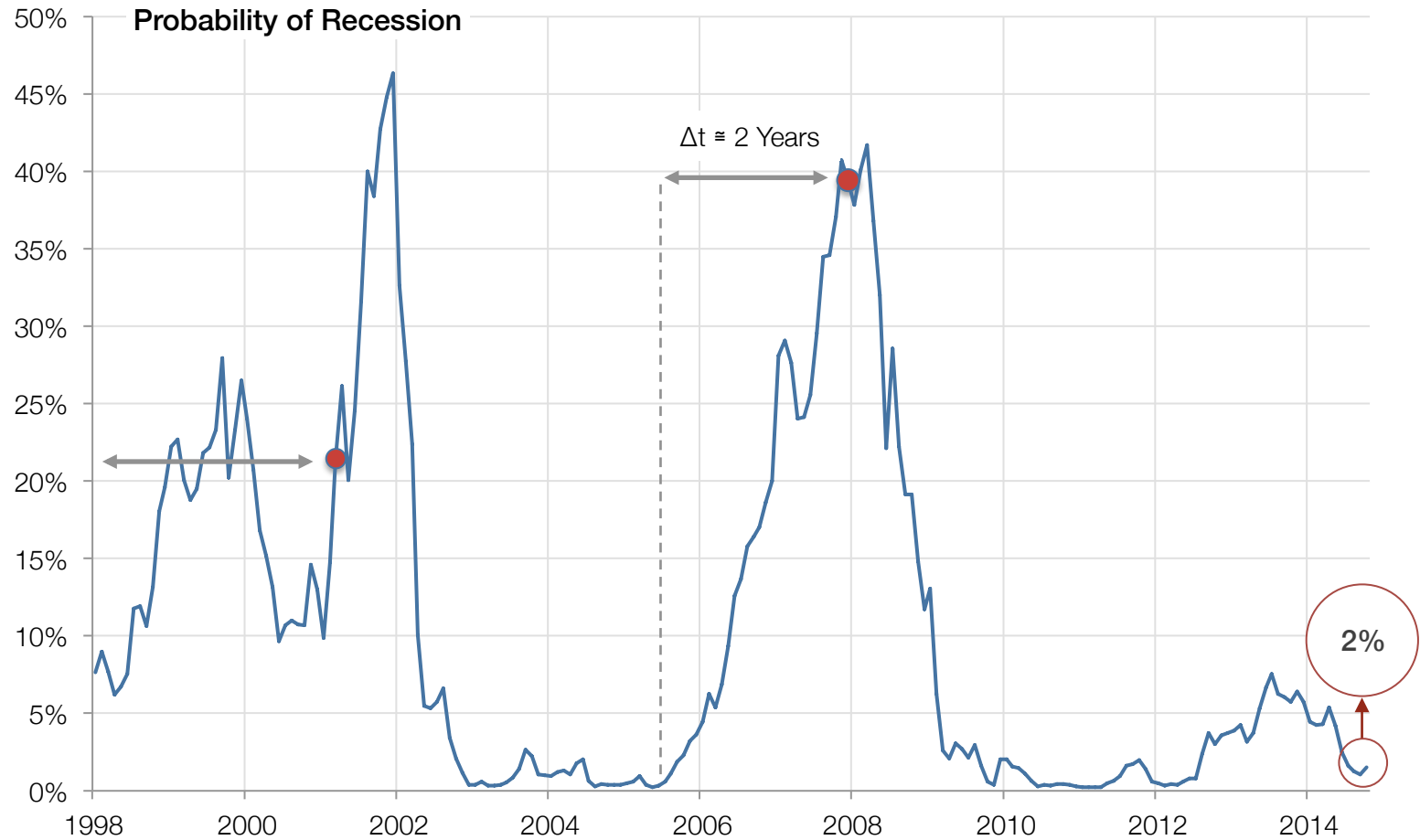
3 FUNDAMENTALS BUILDING MOMENTUM

4 CAPITAL ARE WE PEAKING

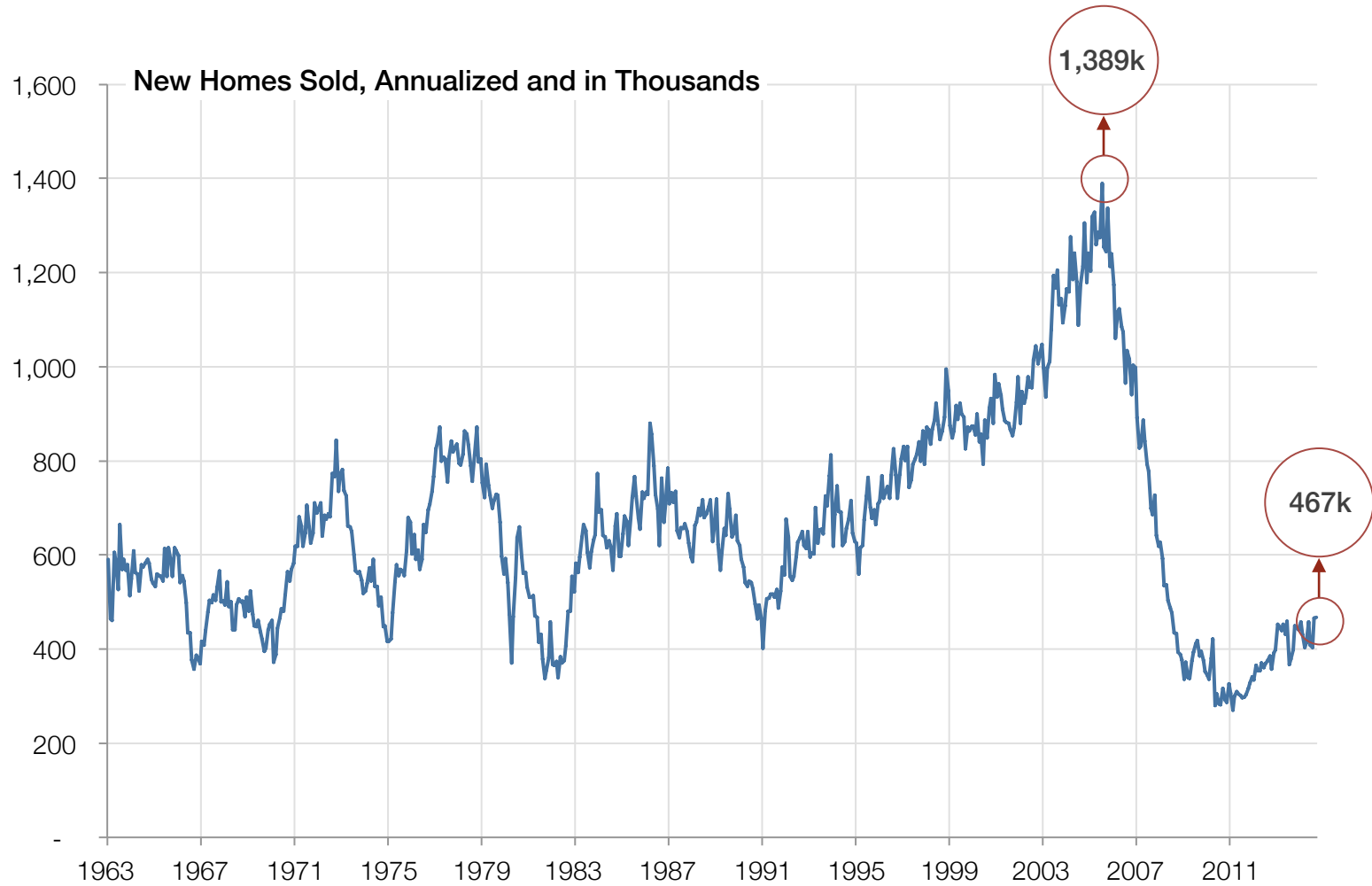
ANTICIPATING THE BUSINESS CYCLE



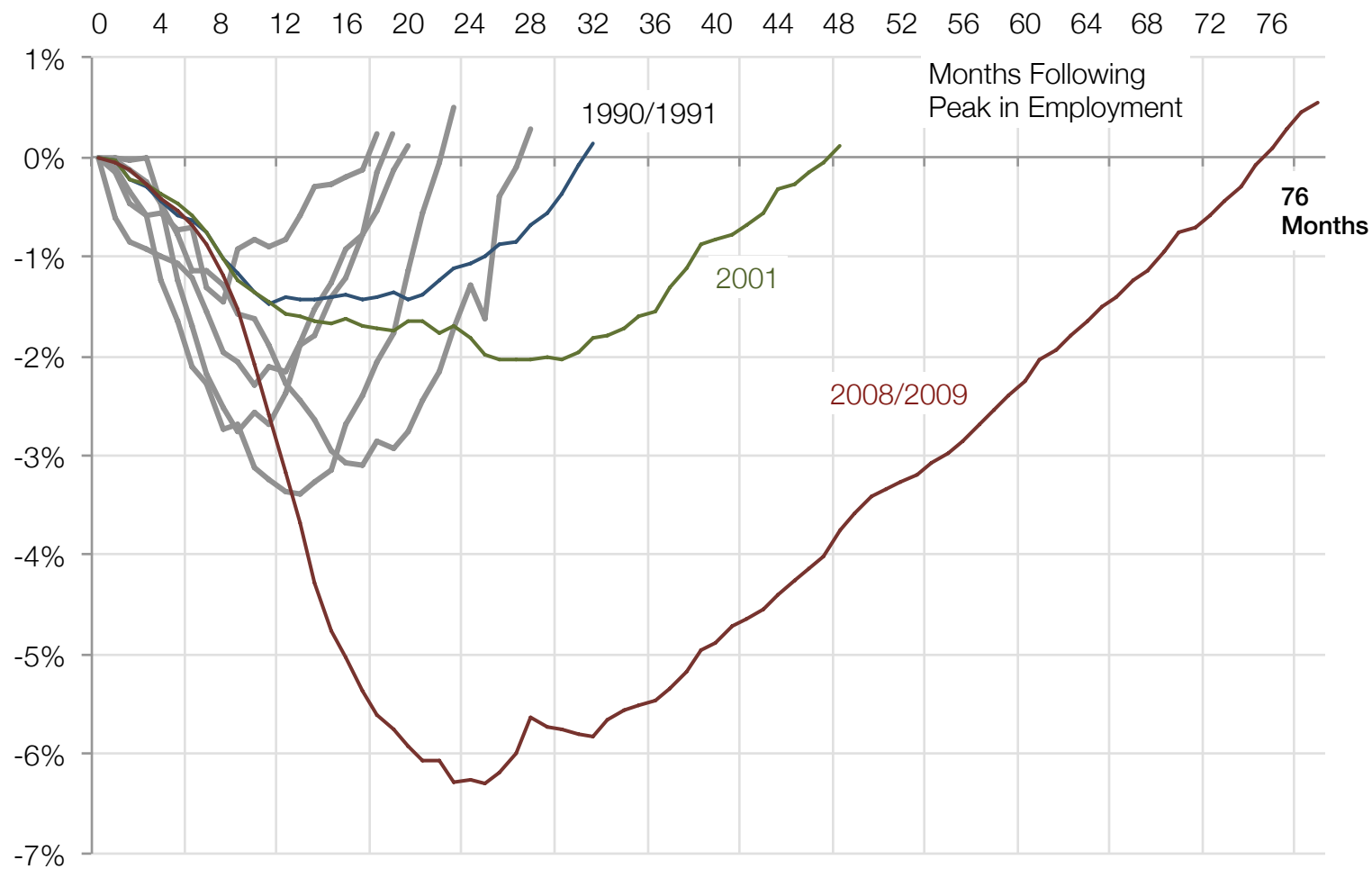
THE BUSINESS CYCLE



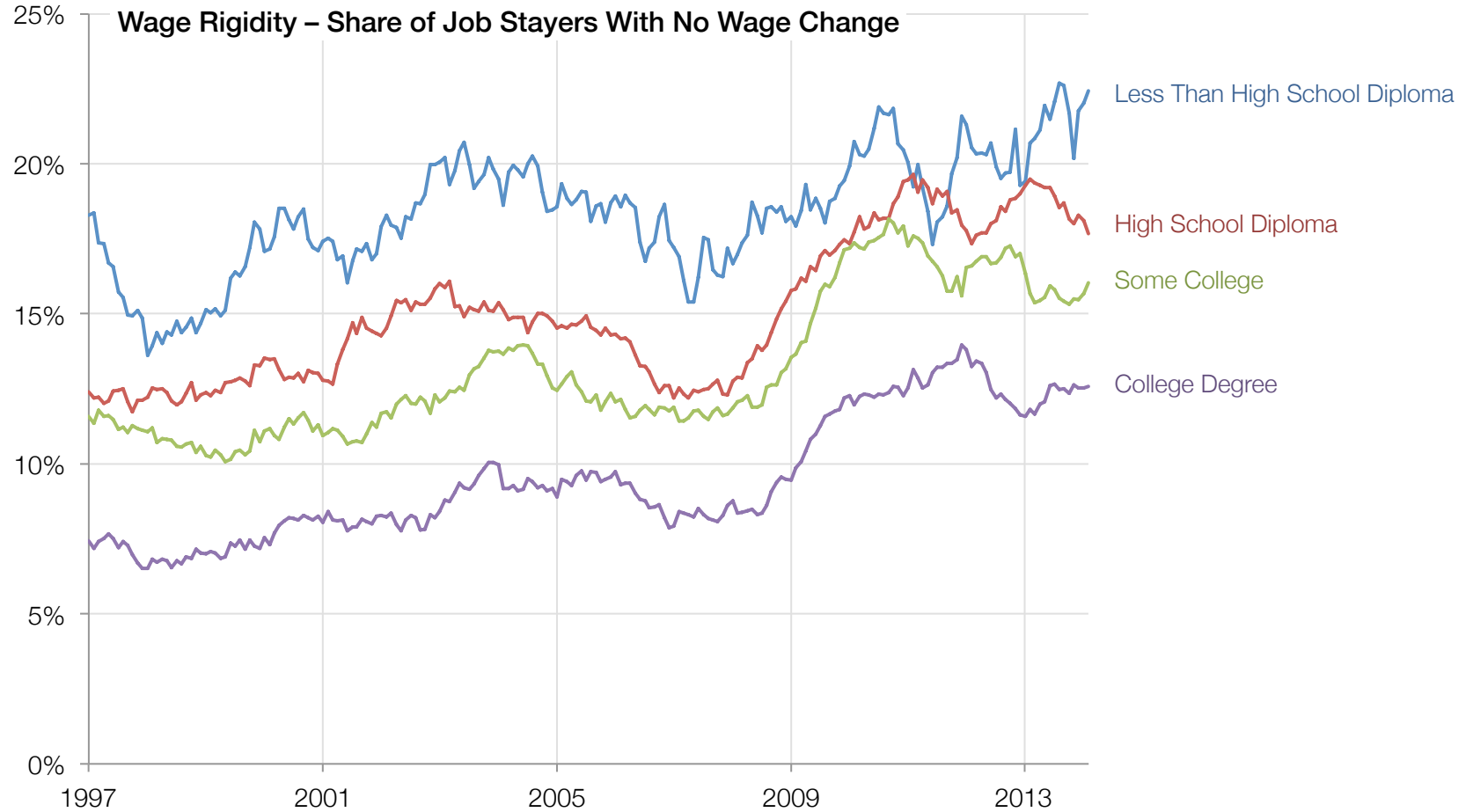
THE ECONOMY AND HOUSING



LABOR MARKET



LABOR MARKET

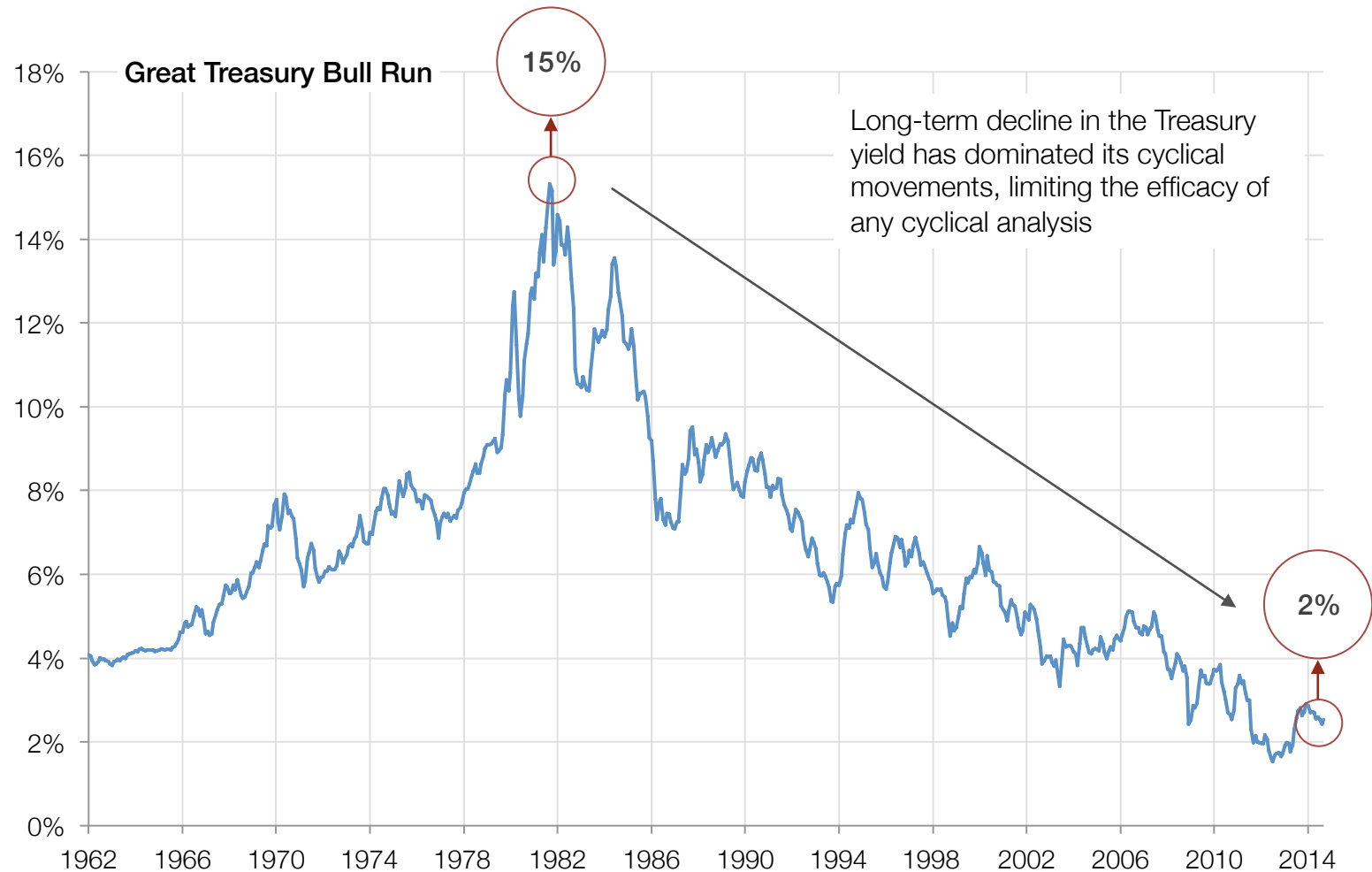


SIX KEY OBSERVATIONS

Asset Markets

1. Investor and lender density are important differentiators for primary and secondary markets
2. Secondary markets' risk-reward tradeoff is not always efficient
3. Flexibility in timing acquisitions and dispositions is critical in secondary market returns; buy early, buy long, or have an uncanny sense of timing

INTEREST RATES

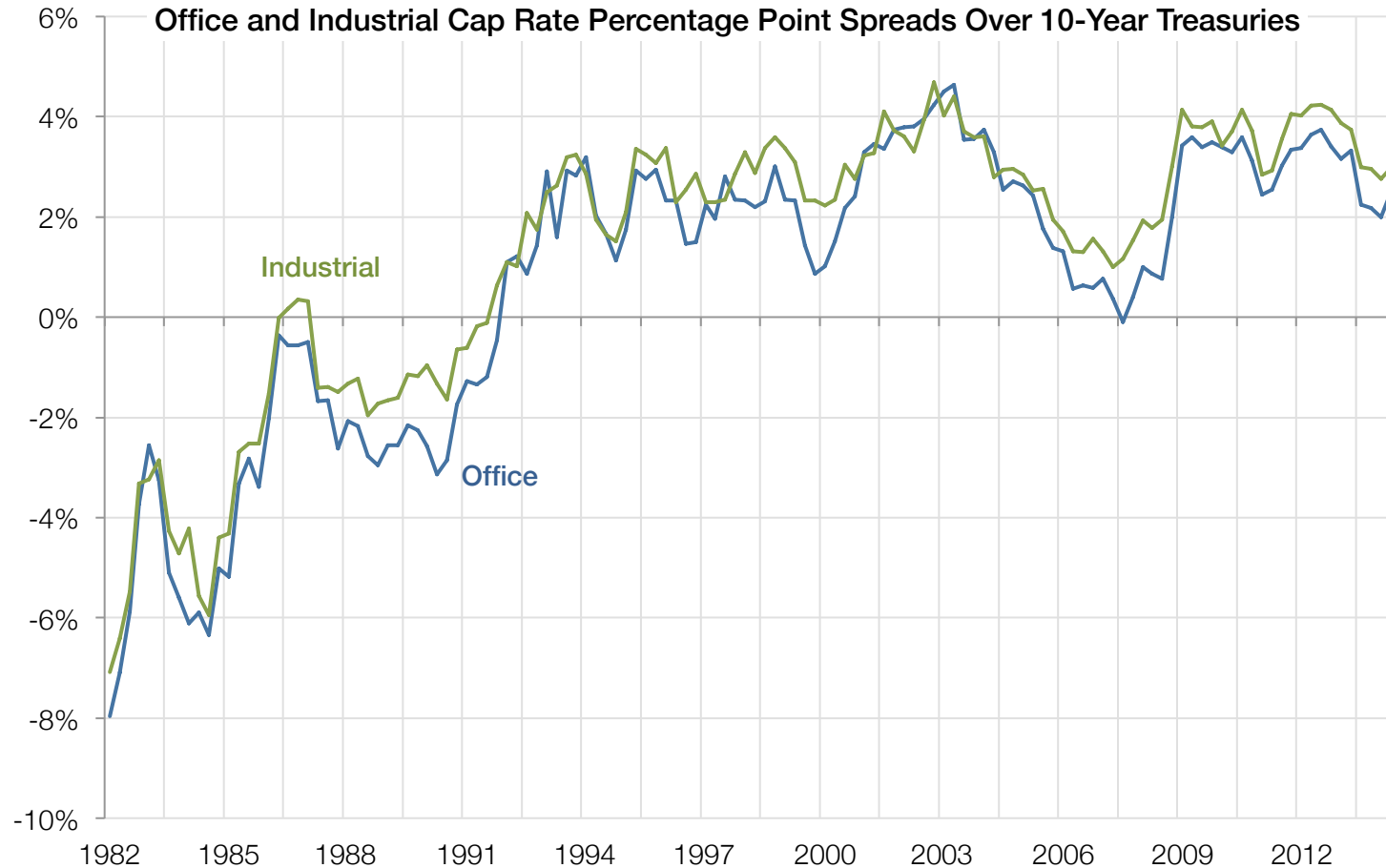


INTEREST RATES

The right question for our industry is not the timing of the interest rate shift but the resilience of prevailing asset prices and current loan structures in higher risk-free yields

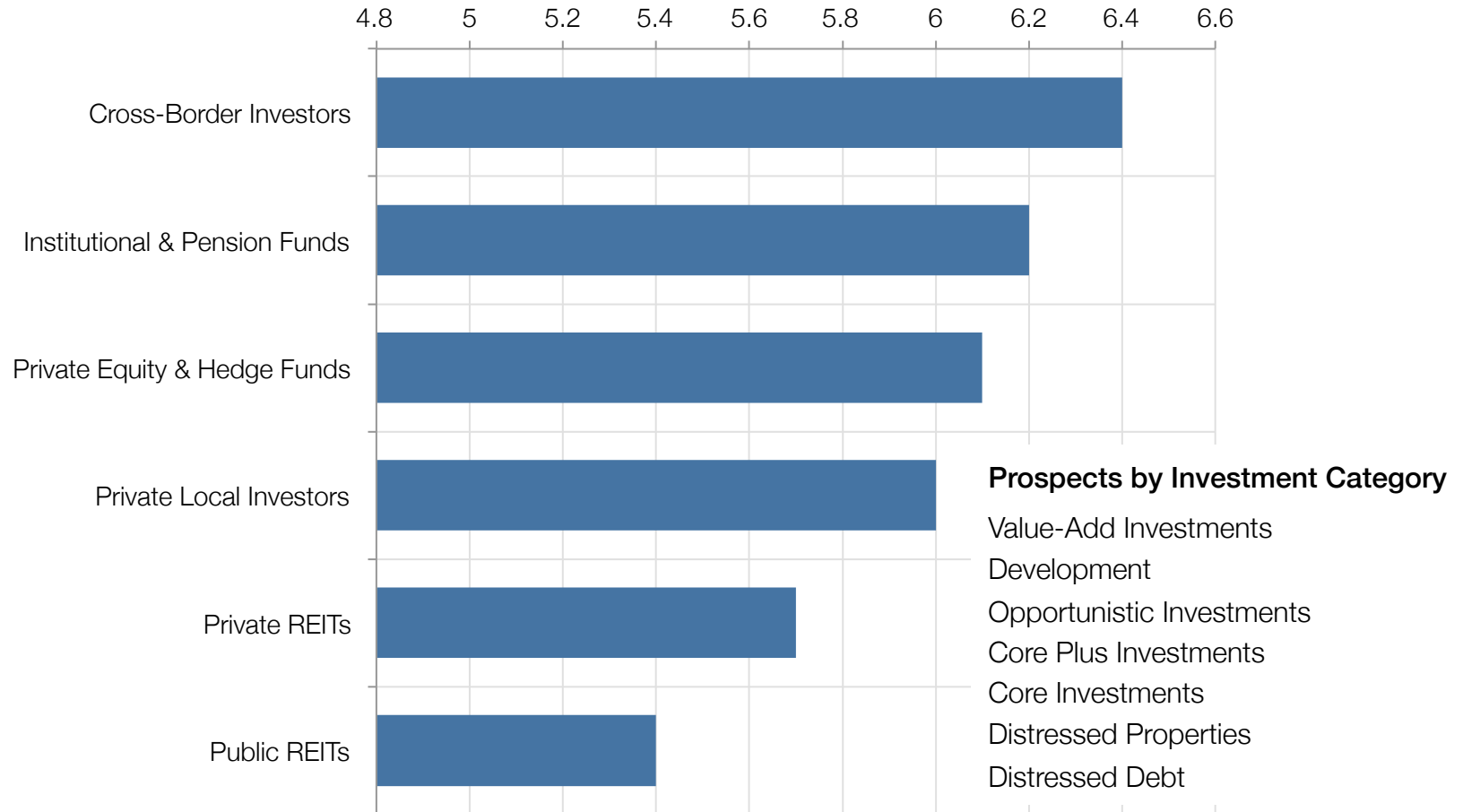
	2014	2015	2016
CPI Inflation (EOY YOY)	1.8%	2.3%	2.2%
WSJ Consensus	1.9%	2.0%	2.3%
10-Year Treasury Yield (EOY)	2.5%	3.4%	3.8%
WSJ Consensus	2.8%	3.5%	3.9%
Fannie Mae	2.6%	2.9%	—
Freddie Mac	2.4%	3.4%	3.8%*
Cumulative Recession Probability	< 5%	10 – 15%	25% – 30%

ASSET PRICING TRENDS

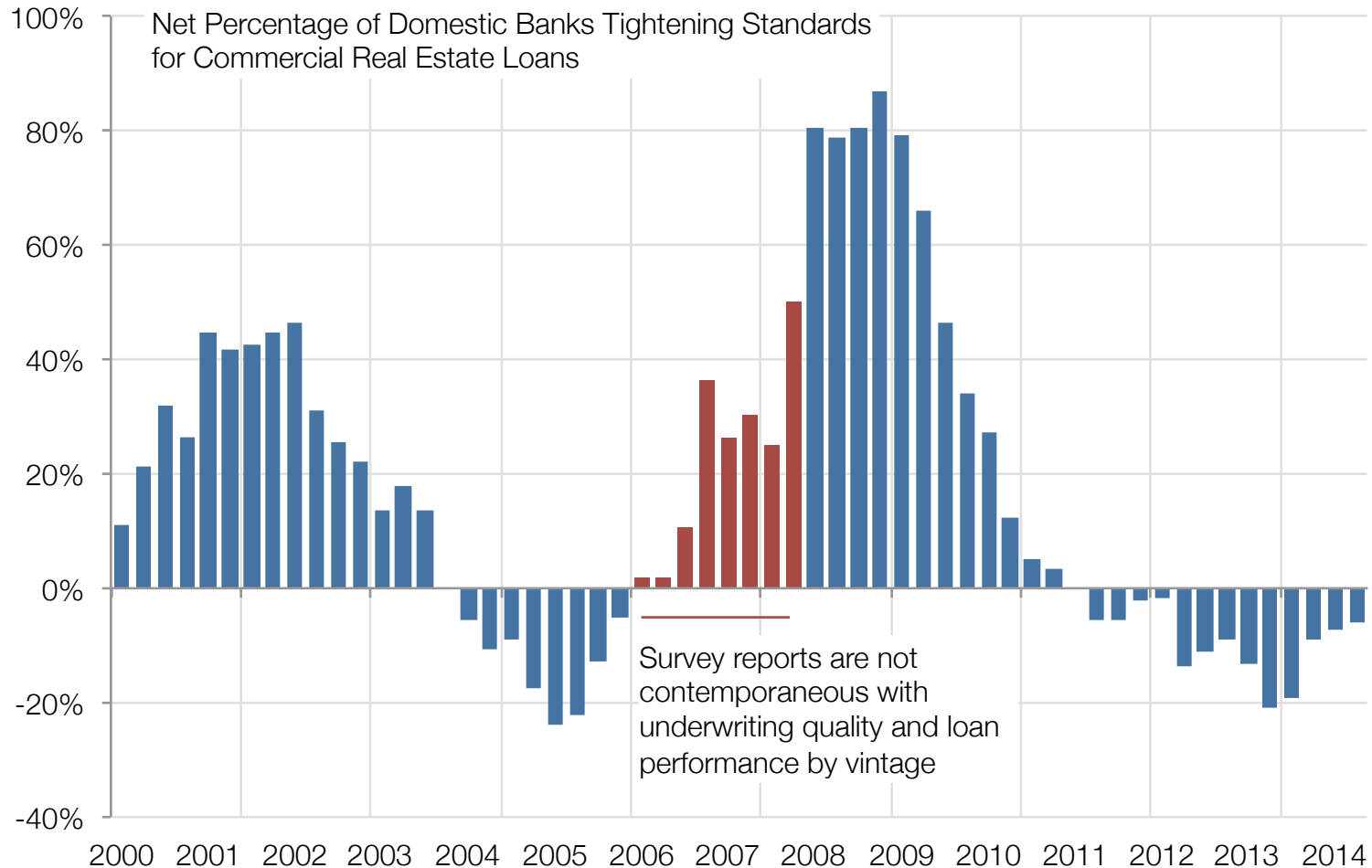


SOURCES OF NEW INVESTMENT

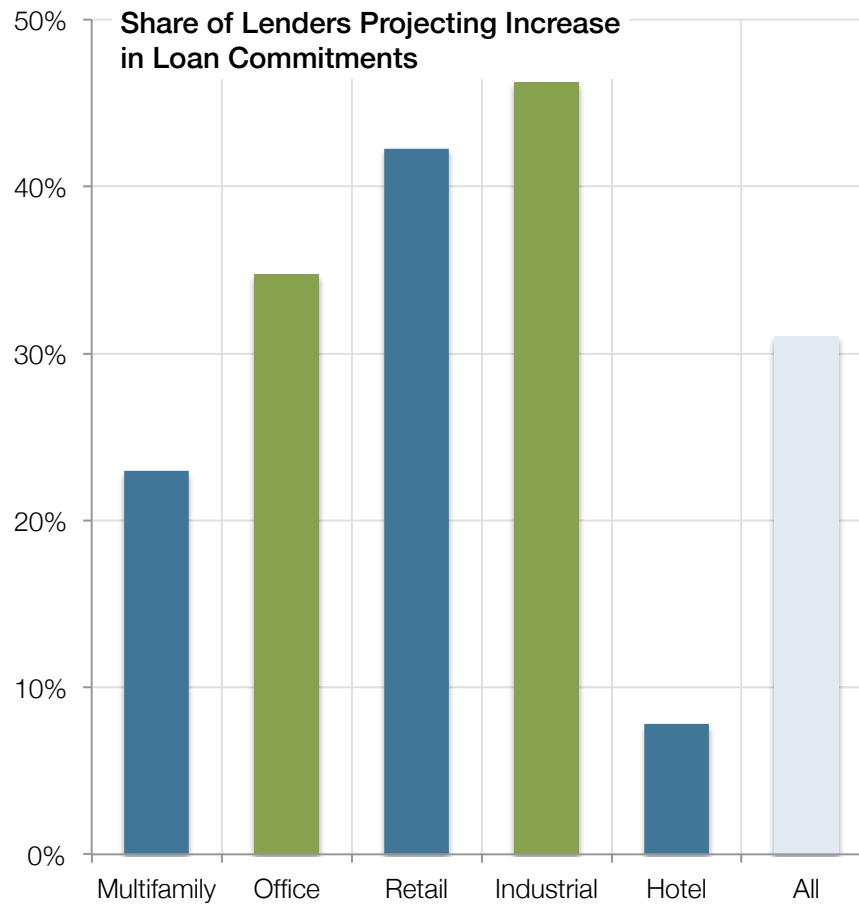
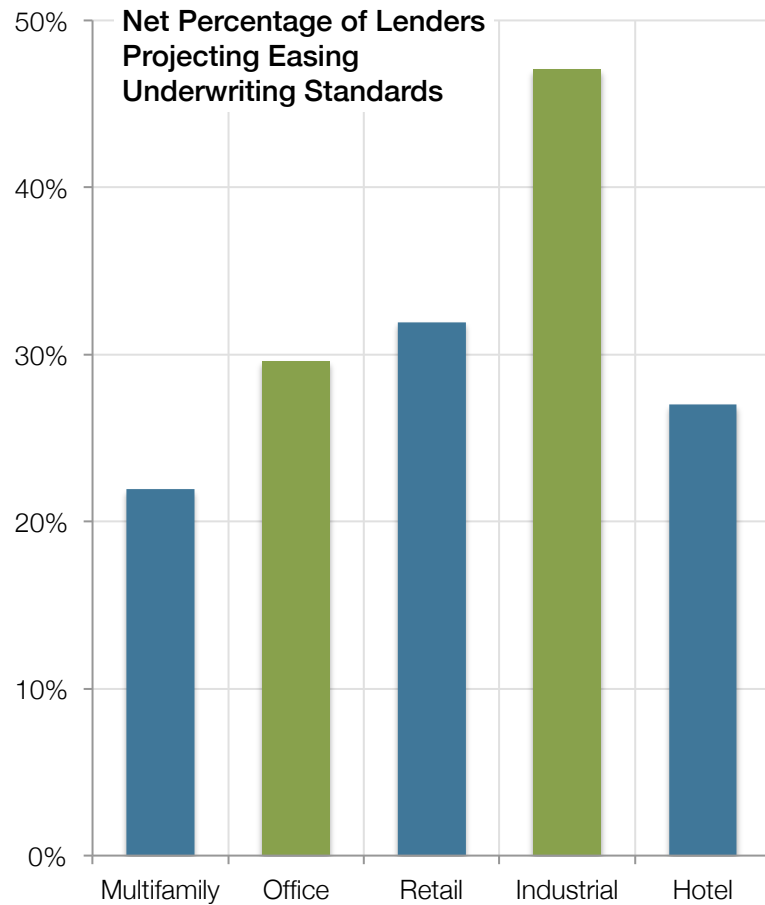
Change in Availability of Capital by Equity Source



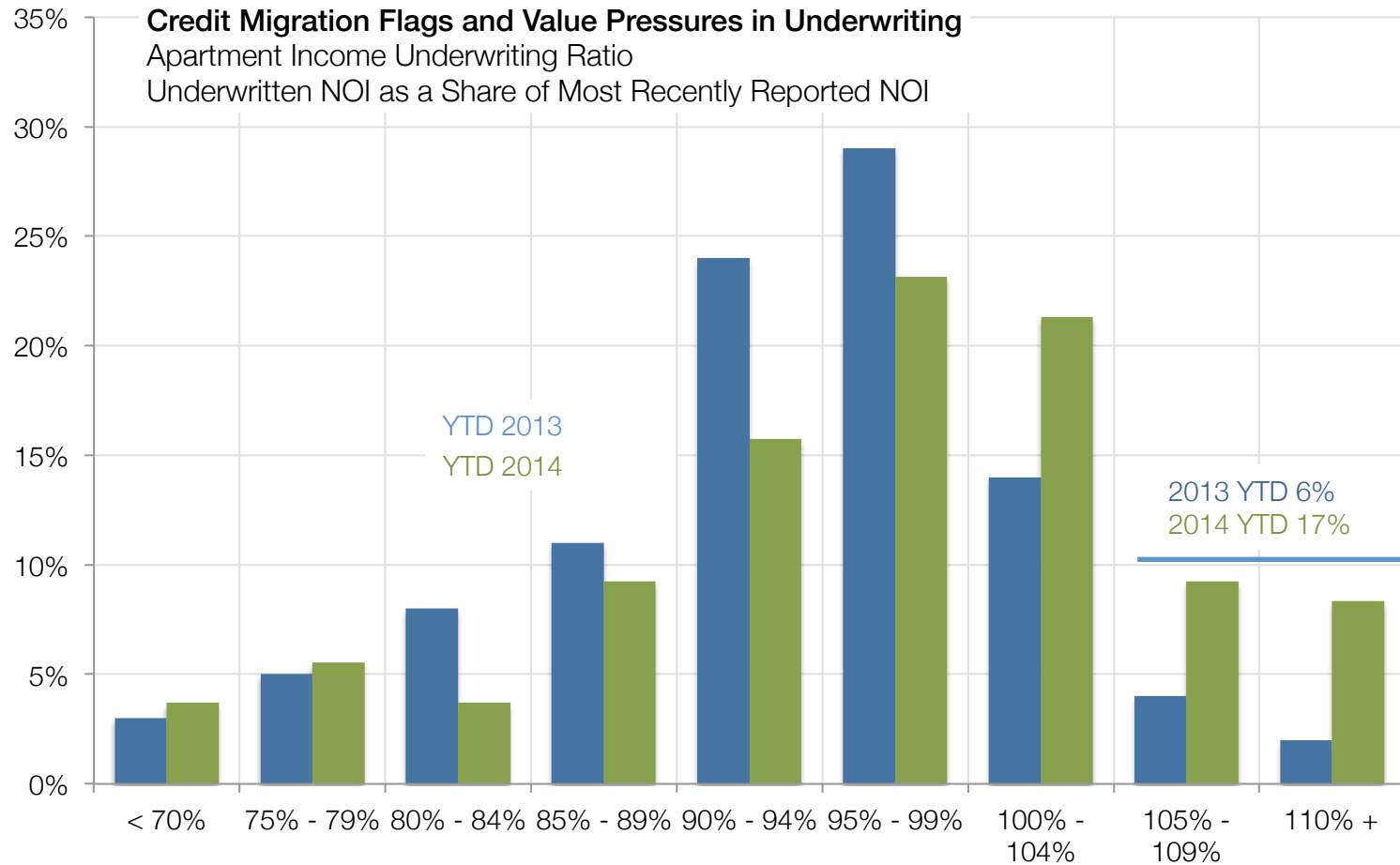
UNDERWRITING STANDARDS



FINANCING TRENDS



APARTMENT CREDIT TRENDS



Source: Chandan Economics; Note: YTD through mid-August 2014; Based on properties with secured financing \$1M+; actual and underwritten NOI observed for a subset of transactions only

SIX KEY OBSERVATION

Space Markets

4. Secondary market values are more dependent on property fundamentals
5. Inflexions in secondary markets are no easier to anticipate
6. Industry concentration exaggerates the upside **and** downside of the most coveted secondary markets

(LEADING) CANARIES IN A COAL MINE

- 1 NET INFLOWS OF CROSS-BORDER CAPITAL
- 2 INCREASE IN TRANSACTION VELOCITY
- 3 LOWER AMORTIZATION ON LOWER DEBT YIELDS
- 4 INCREASE IN LENDER DENSITY AND OVERLAP
- 5 ASSET-BASED LENDING ON STABILIZED PROPERTIES

FORWARD LOOK

- Adaptation to **changing space use patterns** across all property types, including smaller apartment units with more common spaces
- **Lenders giving ground** on underwriting as competitive overlaps increase. Growth in available debt outpacing growth in qualified borrower pool
- **More lending in more places to more borrowers**, benefiting construction, secondary markets, and non-core, non-stable properties

FORWARD LOOK

- Stable short-term **growth outlook subject to exogenous shocks**; long-term growth challenges remain largely unaddressed
- Moderate economic growth, improving labor markets, and marginally higher interest rates imply **more limited appreciation rates**; capital costs offset by income gains

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