

The Economic Outlook Focus on California March 2016

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CONECONOMICS



Word of the Day



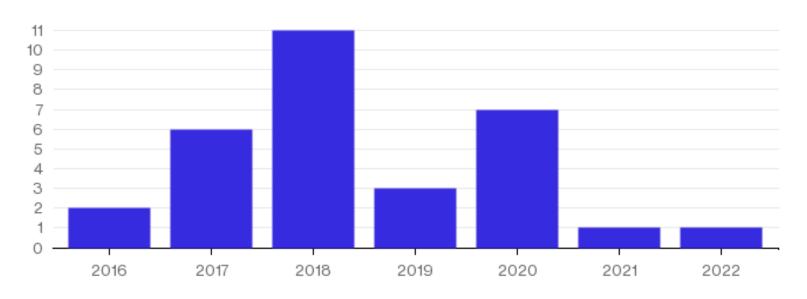
BEACON ECONOMICS Analysis. Answers.

The Wrong Question

Coming in 2018: U.S. Recession

The next U.S. downturn will hit in three years, according to the median of 31 economists

Number of economists



Source: Bloomberg News survey

Bloomberg 💷

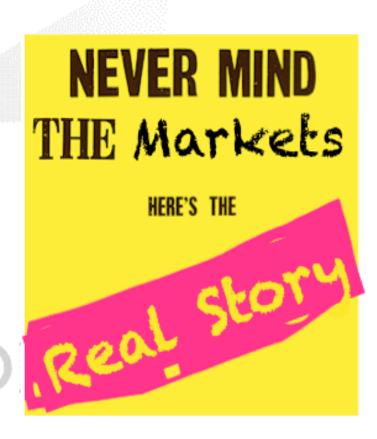
The Right Answer

US Economy Still Moving Along

- 2015: Better than it looked
- Labor markets strong
- Forget the turmoil: there is no bubble
- Housing still in recovery mode
- Credit expanding on many levels
- Commodity prices are down
- California is leading, not lagging the nation

Issues? Sure...

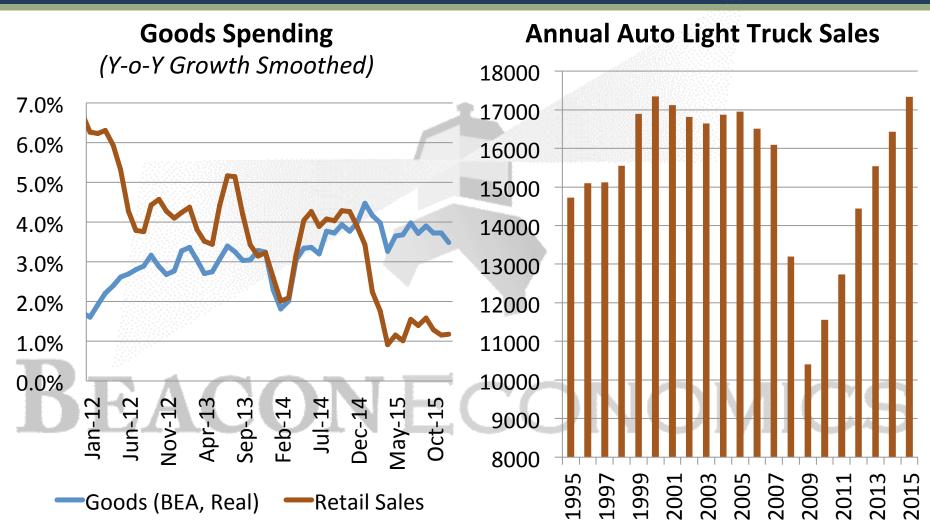
- Still in slow growth mode
- Local Housing issues
- State and Local Budgets still stressed
- Global economy—particularly Asia
- Bad Financial Regulations
- Pensions / Entitlements
- Growing Inequality / Political Gridlock



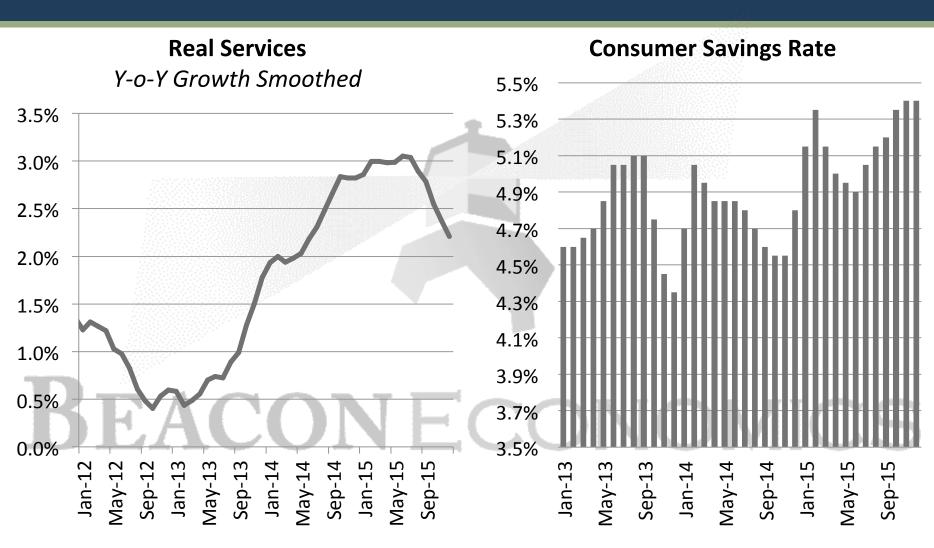
2015: Better that it looks

		2015						
	ı	II.	III	IV	2013	2014	2015	
GDP	0.60	3.90	2.00	0.70	2.45	2.53	1.80	
Final Demand	1.65	3.70	2.97	1.62	1.64	3.11	2.49	
Consumption	1.19	2.42	2.04	1.46	1.56	2.16	1.78	
Durable goods	0.14	0.57	0.47	0.32	0.34	0.53	0.38	
Nondurable goods	0.10	0.62	0.61	0.22	0.41	0.36	0.39	
Services	0.94	1.23	0.96	0.93	0.82	1.27	1.02	
Investment	1.39	0.85	-0.11	-0.41	1.15	0.80	0.43	
Structures	-0.22	0.18	-0.21	-0.15	0.18	0.14	-0.10	
Equipment	0.14	0.03	0.57	-0.15	0.23	0.30	0.15	
Intellectual	0.29	0.33	-0.03	0.07	0.13	0.25	0.17	
Residential	0.32	0.30	0.27	0.27	0.11	0.16	0.29	
Inventories	0.87	0.02	-0.71	-0.45	0.52	-0.05	-0.07	
Trade	-1.92	0.18	-0.26	-0.47	0.29	-0.53	-0.62	
Exports	-0.81	0.64	0.09	-0.31	0.68	0.32	-0.10	
Imports	-1.12	-0.46	-0.35	-0.16	-0.39	-0.85	-0.52	
Government	-0.01	0.46	0.32	0.12	-0.55	0.07	0.22	
Federal	0.08	0.00	0.02	0.18	-0.53	-0.05	0.07	
State and local	-0.09	0.46	0.30	-0.06	-0.02	0.12	0.15	

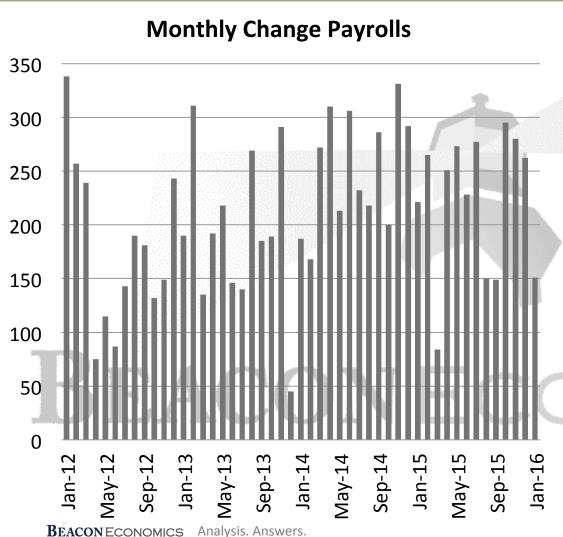
Consumer Spending



Services and the Weather

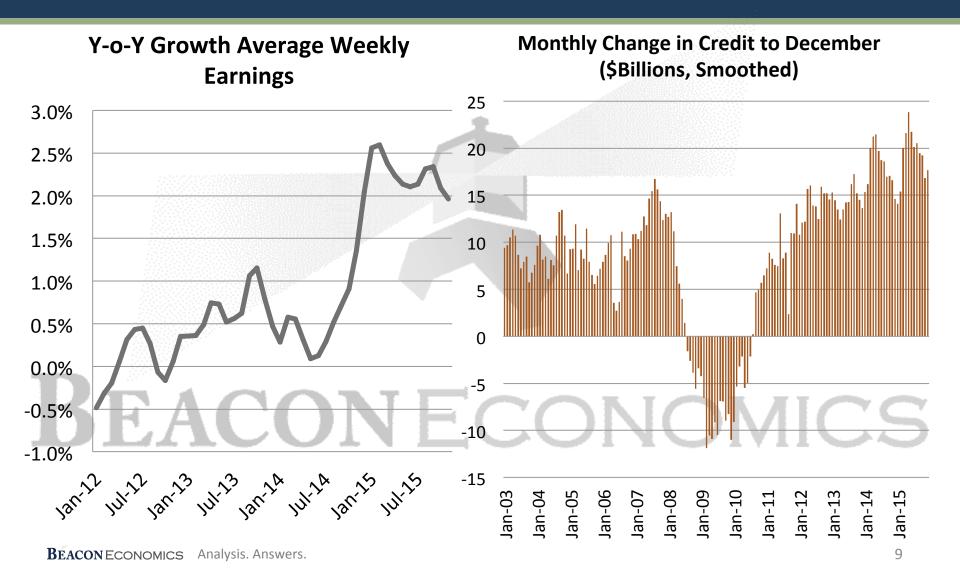


Employment Growth

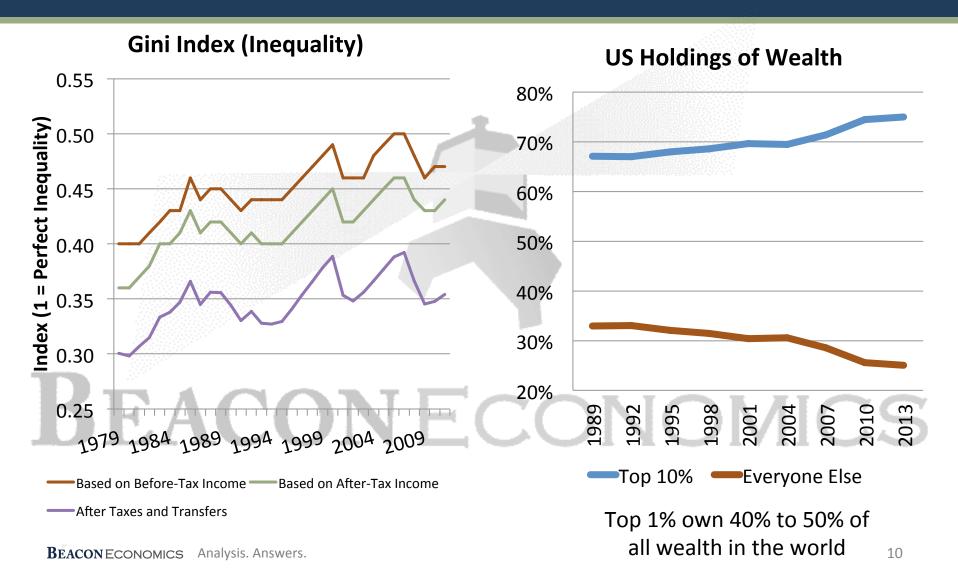


By Sector	Jan 2016	Ch	%
Total nonfarm	141,123	2,612	1.9%
Construction	6,218	265	4.5%
Professional	8,782	301	3.6%
Health care	18,874	611	3.3%
Administrative	8,631	260	3.1%
Leisure	14,670	436	3.1%
Management	2,243	62	2.8%
Retail trade	15,717	302	2.0%
Financial	8,157	149	1.9%
Logistics	4,845	72	1.5%
Other	5,589	57	1.0%
Wholesale trade	5,862	59	1.0%
Information	2,727	24	0.9%
Educational	3,356	18	0.5%
Manufacturing	12,254	51	0.4%
Government	21,893	70	0.3%
Mining	743	(134)	-15.3%

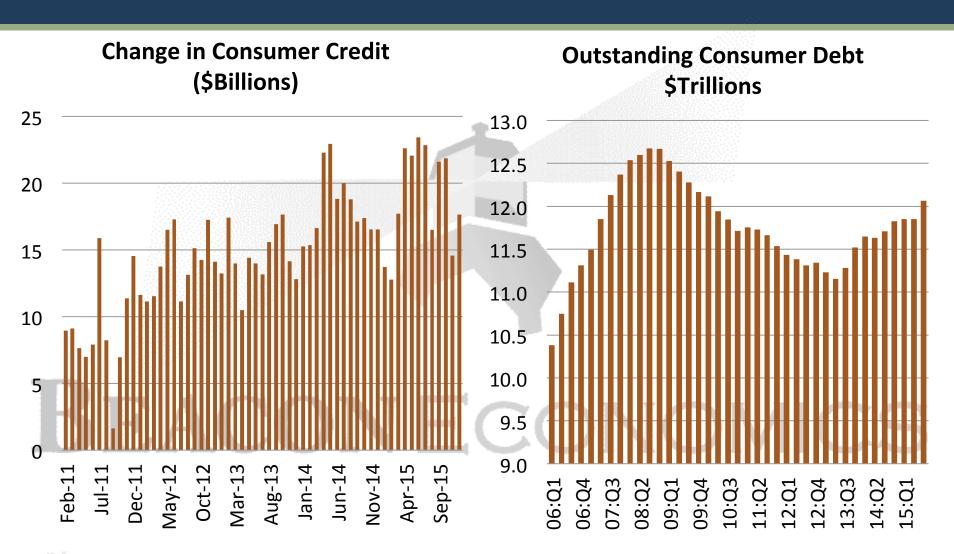
Consumer Savings and Incomes



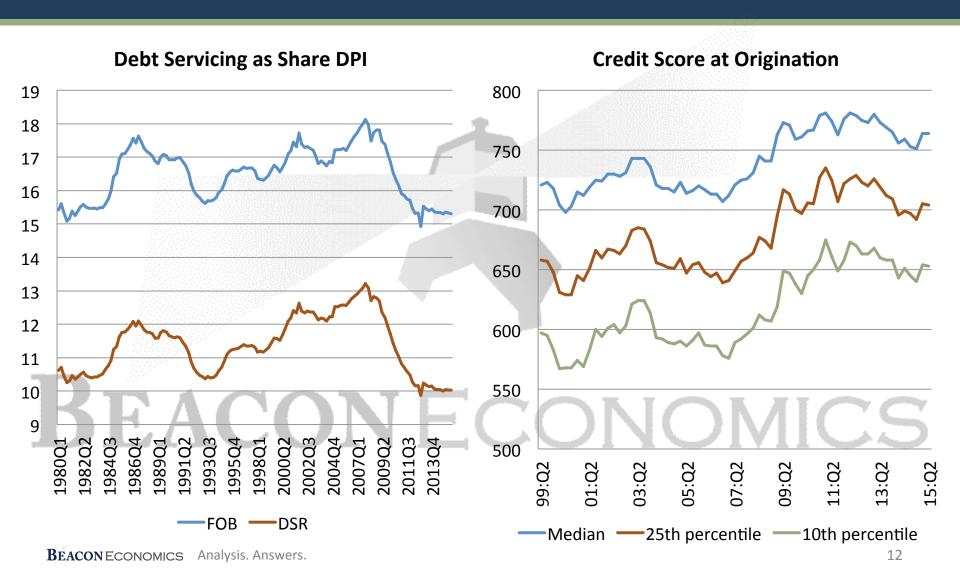
Growing Inequality



Consumer Credit

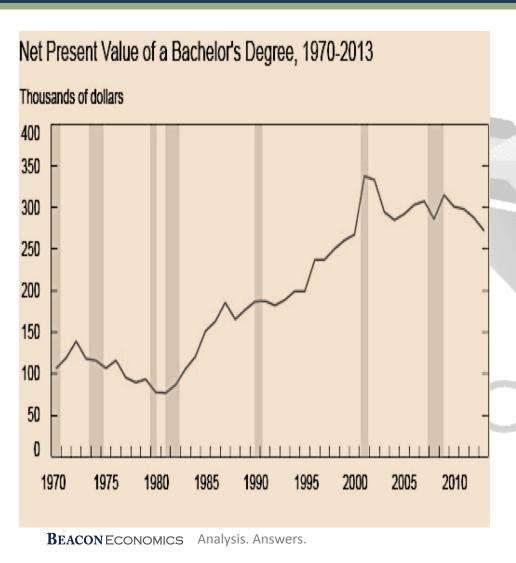


Consumer Credit



Degrees Among 21-27 with Bachelor

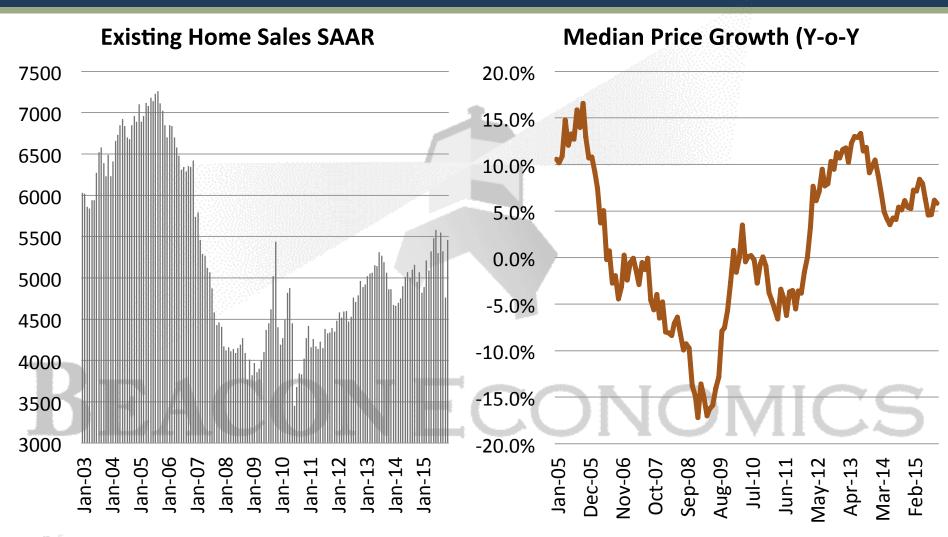
FINANCE



55,103
50,542
48,668
46,060
44,651
43,804
43,495
42,238
41,640
40,933
40,840
40,236
289,968
217,369
178,560
171,875
170,595
162,915
160,309
146,322
132,367
123,509
123,106

123,068

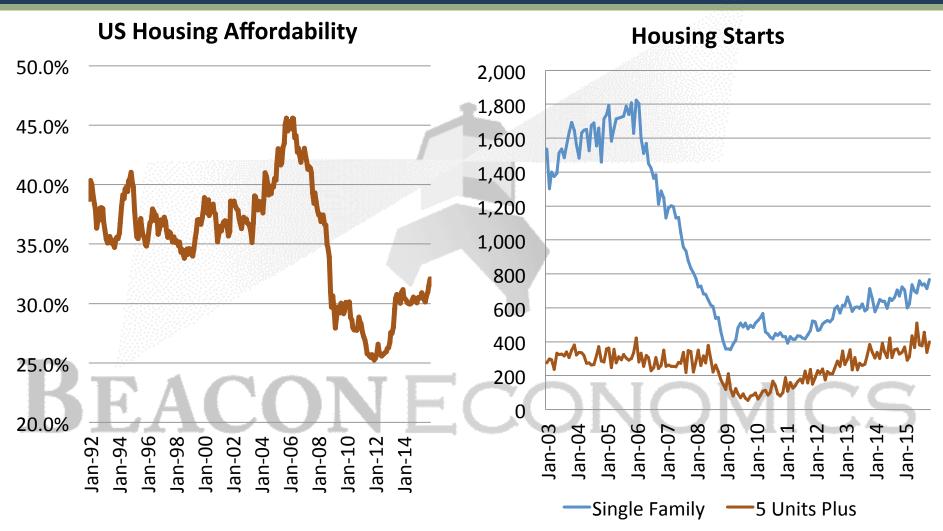
Housing Markets



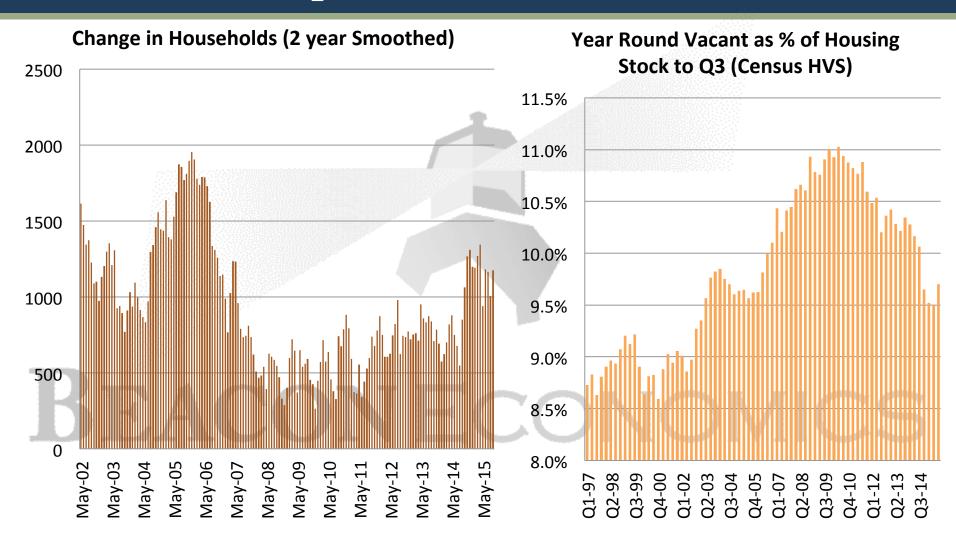
Case-Shiller Regional Price Trends

	13-14	14-15	Diff			13-14	14-15	Diff
OR-Portland	6.2%	11.0%	4.8%		AZ-Phoenix	2.2%	5.7%	3.5%
CA-San Francisco	9.5%	10.9%	1.5%		Composite-20	4.4%	5.6%	1.1%
CO-Denver	7.1%	10.9%	3.7%		MI-Detroit	3.6%	5.3%	1.6%
TX-Dallas	7.7%	9.3%	1.6%		MA-Boston	4.3%	5.2%	0.9%
WA-Seattle	6.2%	8.8%	2.6%		National-US	4.6%	5.2 %	0.5%
FL-Miami	9.5%	8.0%	-1.5%		NC-Charlotte	2.7%	4.7%	2.0%
FL-Tampa	6.1%	6.4%	0.3%		MN-Minneapolis	2.1%	4.0%	2.0%
CA-San Diego	4.7%	6.3%	1.6%	٠,	NY-New York	1.8%	3.1%	1.3%
CA-Los Angeles	4.9%	6.1%	1.3%	.(OH-Cleveland	0.8%	2.2%	1.5%
GA-Atlanta	4.4%	6.1%	1.6%		DC-Washington	2.0%	1.7%	-0.3%
NV-Las Vegas	7.8%	5.8%	-2.1%		IL-Chicago	1.8%	1.4%	-0.4%

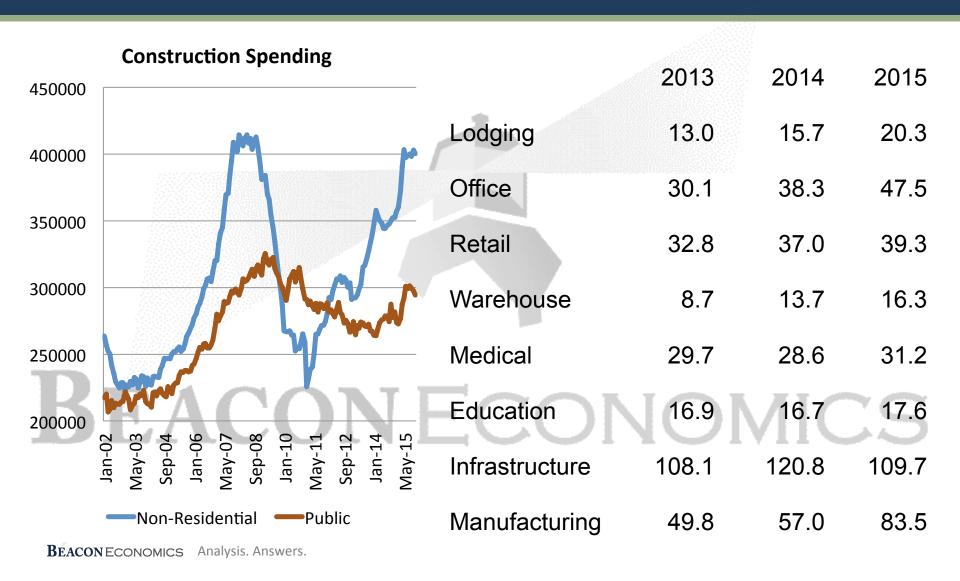
Affordability And Construction



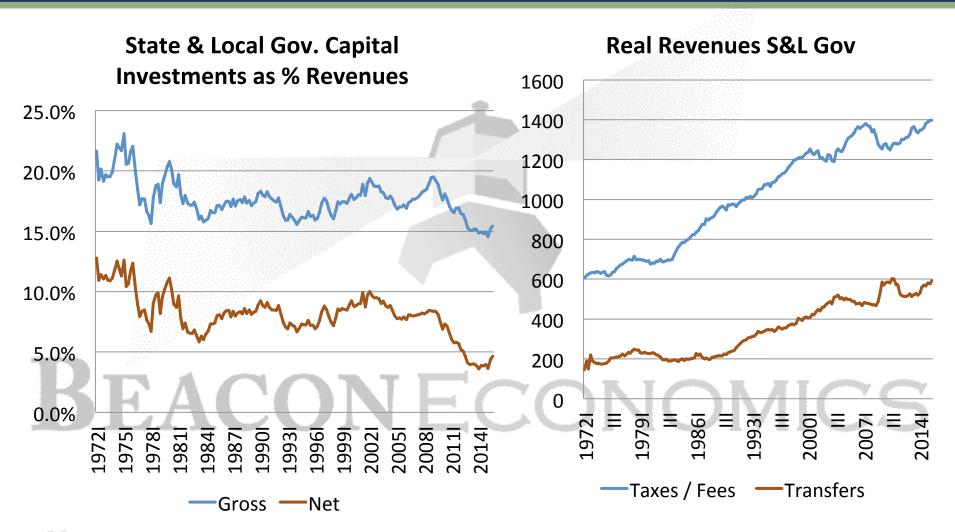
Improved Outlook



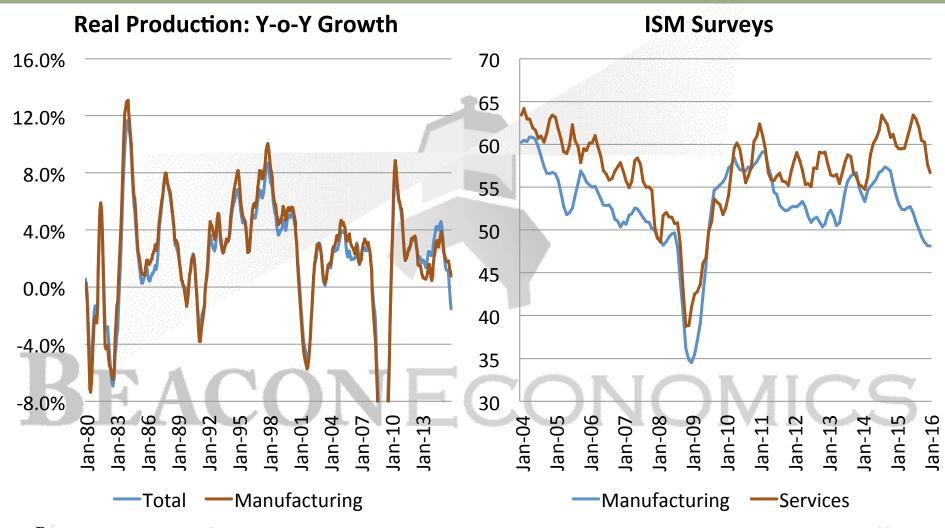
Non Residential Trends



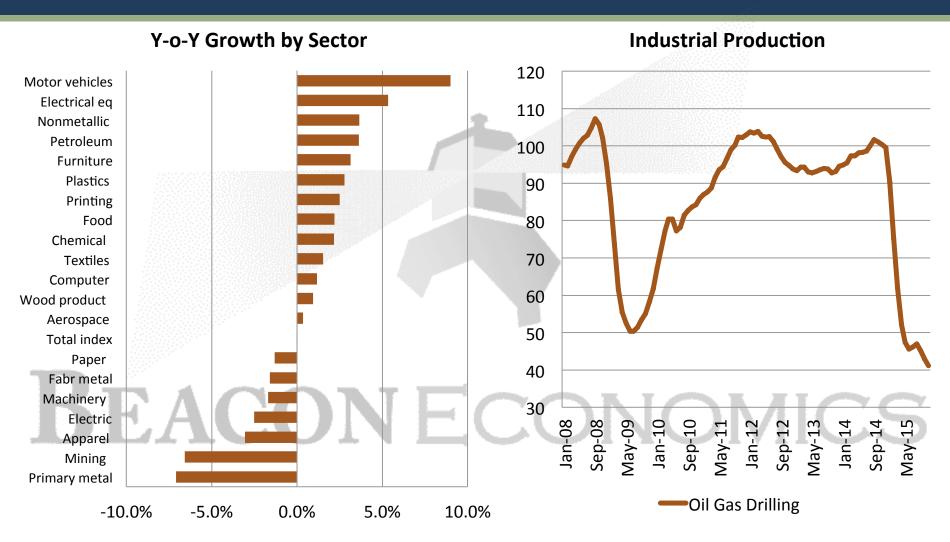
Public Capital Investments



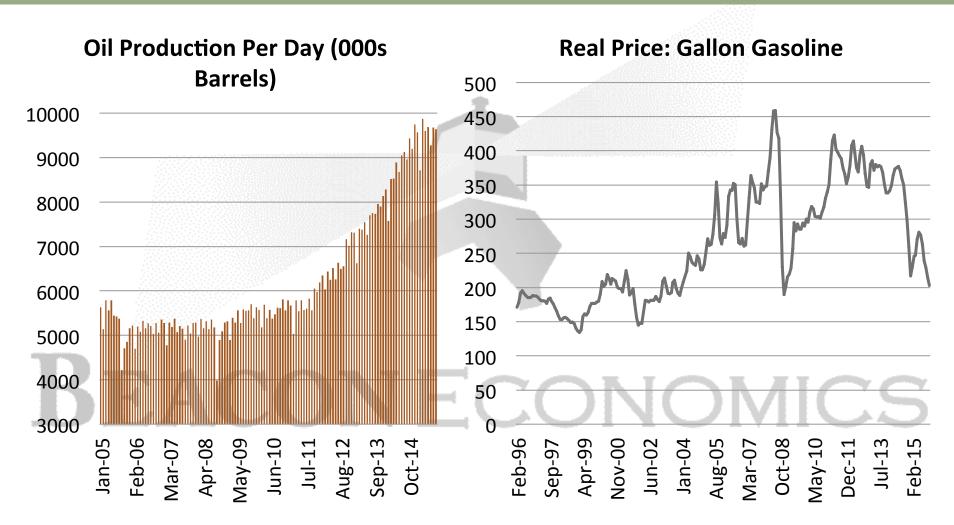
Production



Production Breakdown



Oil Activity



Mining and Manufacturing: IP

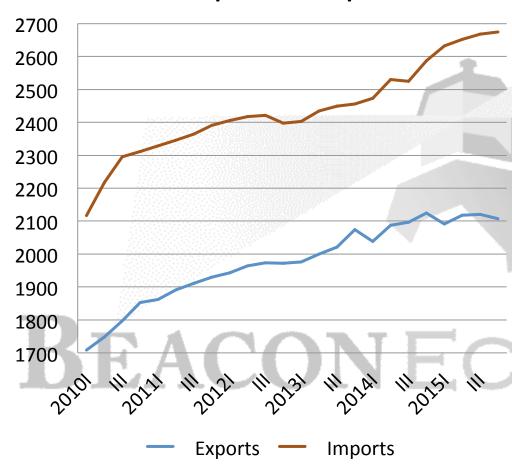


Major Markets

Total Nonfarm			Manufacturing		
Inland Empire, California	1,351	3.6	Inland Empire, California	95	4.9
Tampa, Florida	1,260	3.2	Atlanta, Georgia	160	4.2
Atlanta, Georgia	2,625	3.0	Baltimore, Maryland	57	3.6
Dallas, Texas	3,431	2.9	San Diego, California	99	1.9
San Francisco, California	2,171	2.8	Tampa, Florida	62	1.6
San Diego, California	1,406	2.7	San Francisco, California	121	1.5
Baltimore, Maryland	1,385	2.3	New York City, New York	367	0.4
Los Angeles, California	5,928	2.3	Los Angeles, California	523	-0.5
Miami, Florida	2,513	2.2	Boston, Massachusetts	190	-0.7
Boston, Massachusetts	2,650	1.8	Miami, Florida	81	-1.2
New York City, New York	9,340	1.7	Philadelphia, Pennsylvania	178	-1.4
Philadelphia, Pennsylvania	2,834	1.3	Dallas, Texas	256	-2.7
Pittsburgh, Pennsylvania	1,179	1.2	Pittsburgh, Pennsylvania	88	-3.0
Houston, Texas	2,993	0.8	Houston, Texas	241	-6.2
<u> </u> №					

Trade

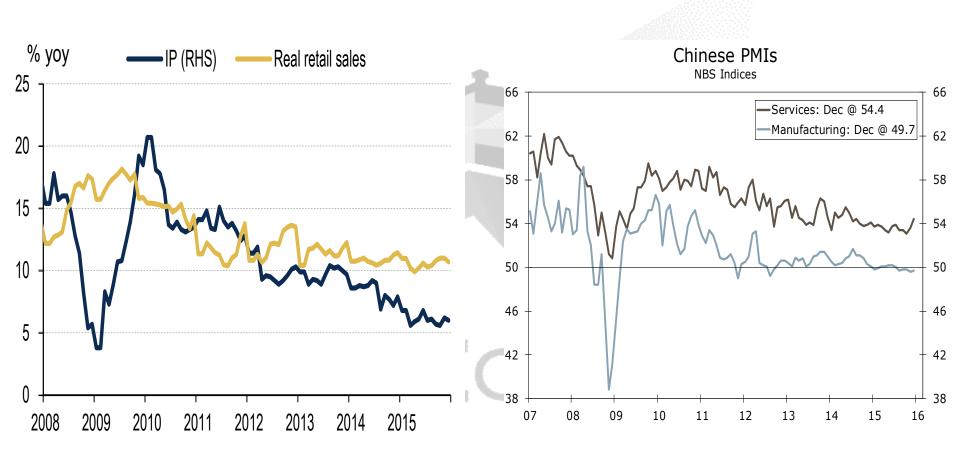




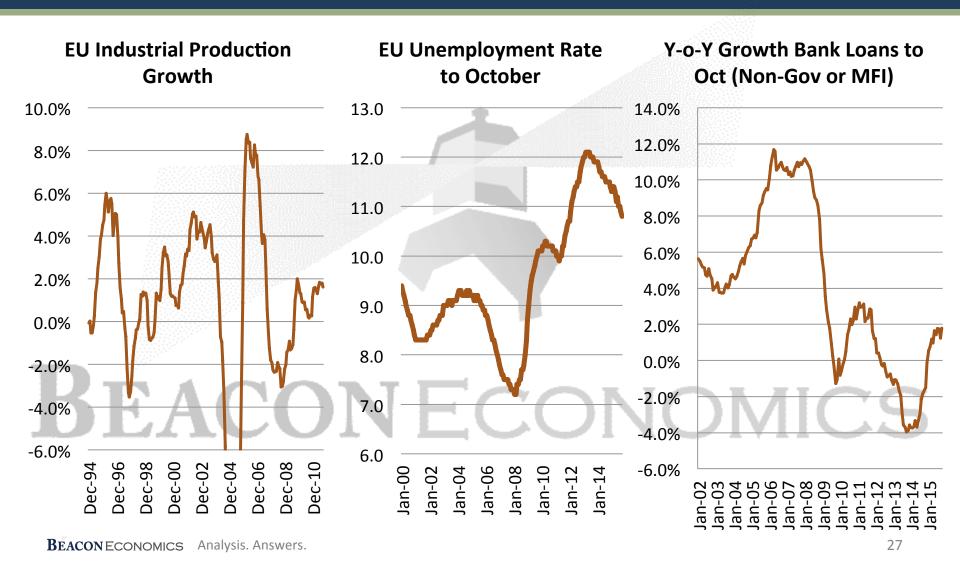
Change in Nominal Goods Trade 2014 to 2015

	Exports I	Bal.	
Total	-104.4	-87.3	-17.1
Canada	-28.8	-45.8	17
Netherlands	-2.8	-3.9	1.1
Belgium	-0.6	-1.2	0.6
India	0.3	-0.1	0.4
Germany	0.2	0.3	-0.1
Taiwan	-0.5	0.1	-0.6
Japan	-3.5	-2.7	-0.8
France	-1.1	0.6	-1.7
UK-	2.8	4.5	-1.7
Italy	-0.9	1.7	-2.6
Korea, South	-0.6	2.8	-3.4
Mexico	-3.6	1.3	-4.9
Brazil	-10	-2.3	-7.7
China	-5.7	17.8	-23.5

China: Slowed, not stopped



Europe



And the bubble??



What inning is it?

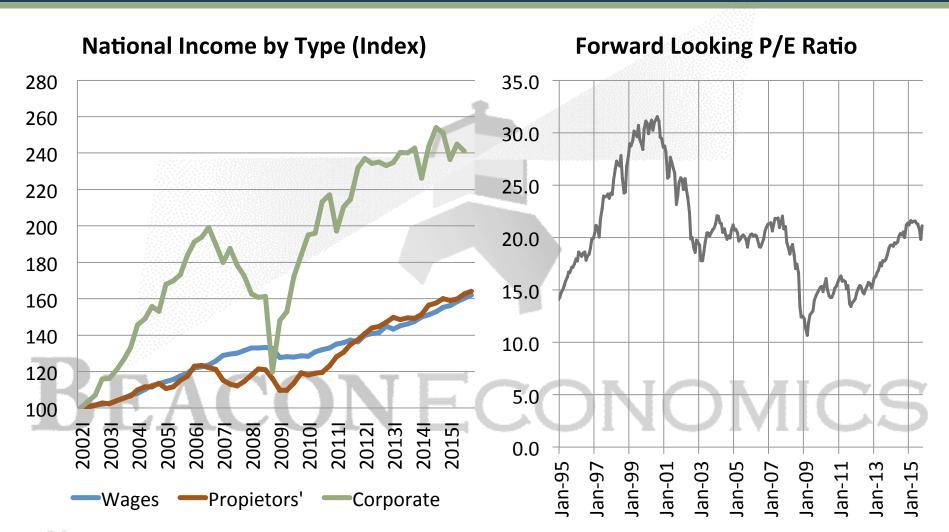




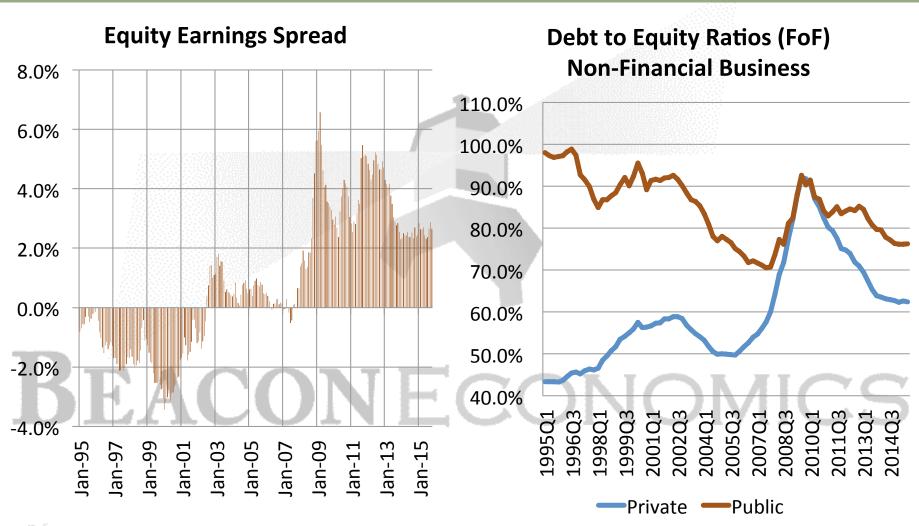
There is no Bubble... (at least not yet) Why?

- Asset prices are being driven by fundamentals, not speculation
- The global savings glut is driving interest rates, not Fed policy
- 3. Leverage is not a factor
- 4. The real economy is in balance

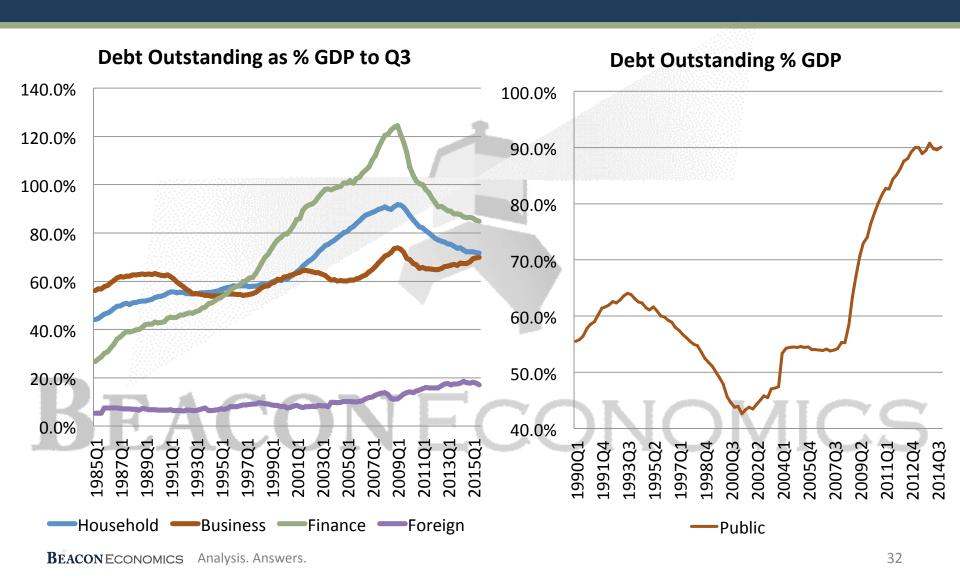
Earnings and Prices



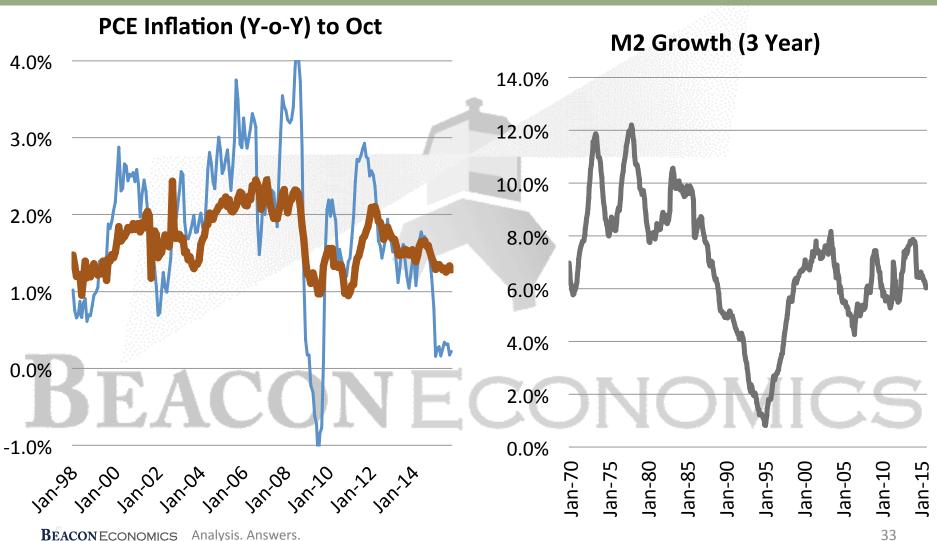
Equity Fundamentals



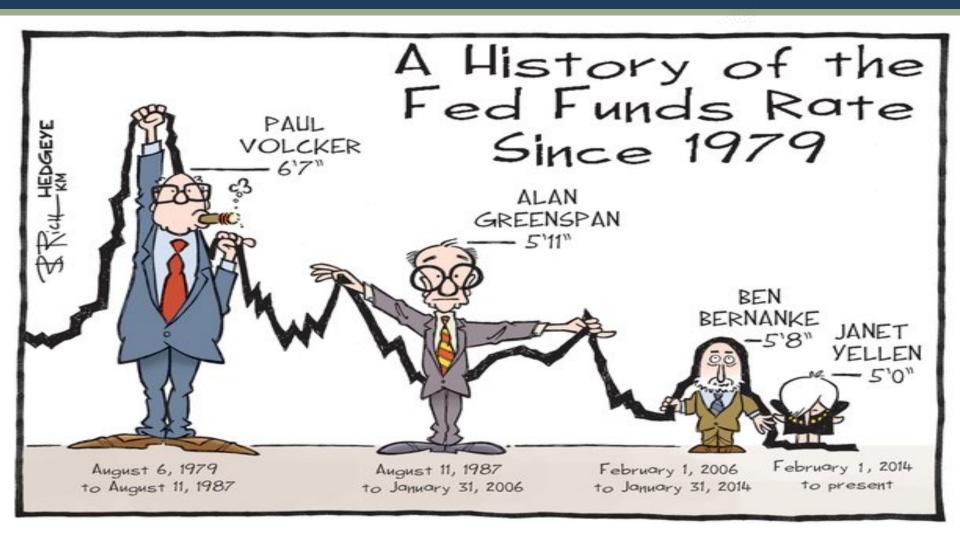
Risk Factors



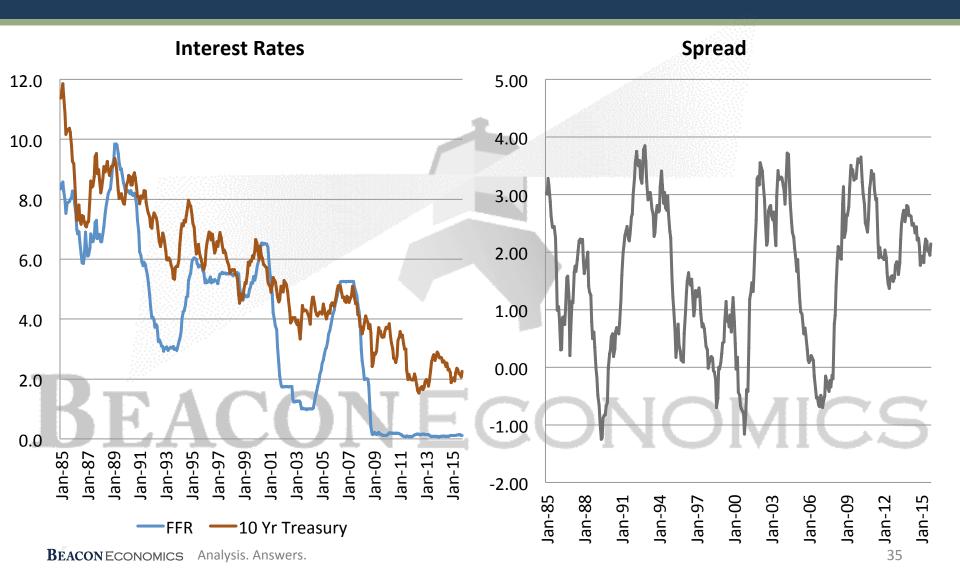
How Fast



The Fed: Explained!



Limited Space to Turn



California fact versus fiction

"Looking back a few years (2009 / 2010) everyone was saying that CA would fail like Greece or Detroit, but things look different now. What has happened to turn things around?"



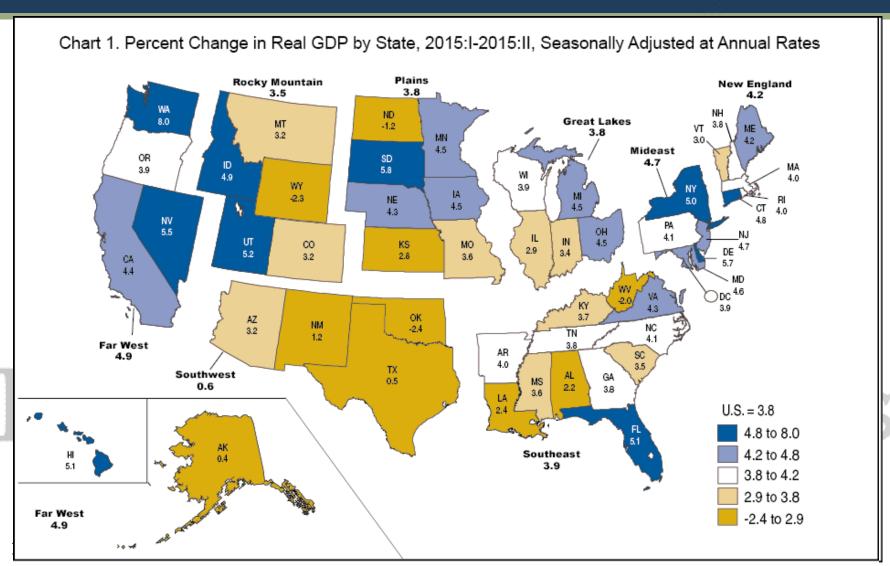
California Hype:

- High taxes, Over regulated
- People/business fleeing

Reality

- Business Climate is not that important
- State still outperforming
- Certain industries more vulnerable than others, but others doing great
- Real enemy: CEQA, dumb taxes

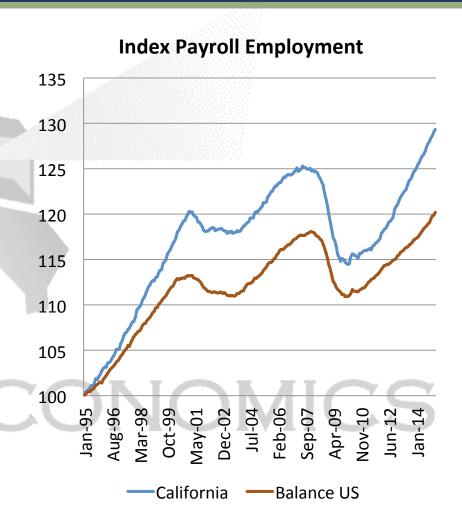
Regional Growth



U.S. Bureau of Economic Analysis

2015 Job Growth (Ch Gr from 14)

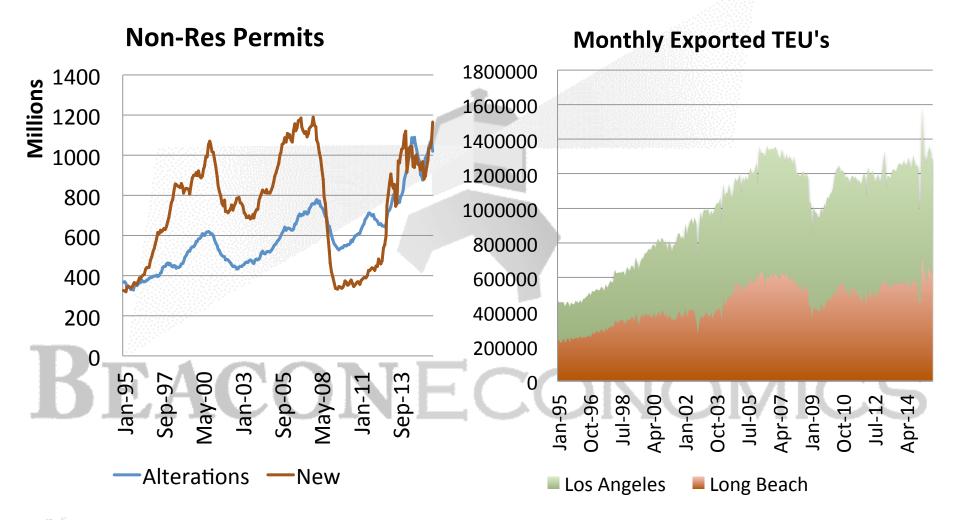
Idaho	4.1%	2.0%
Utah	3.6%	0.8%
Florida	3.0%	-0.3%
Washington	2.8%	-0.1%
Oregon	2.7%	-0.3%
South Carolina	2.6%	0.1%
California	2.6%	-0.3%
South Dakota	2.6%	2.0%
Nevada	2.5%	-0.9%
Arizona	2.5%	0.7%
Massachusetts	2.2%	0.6%
Georgia	2.2%	-1.1%
North Carolina	2.2%	-0.1%
Hawaii	2.1%	1.8%
Maryland	2.0%	1.0%
Indiana	1.9%	0.7%
N York	1.9%	0.8%



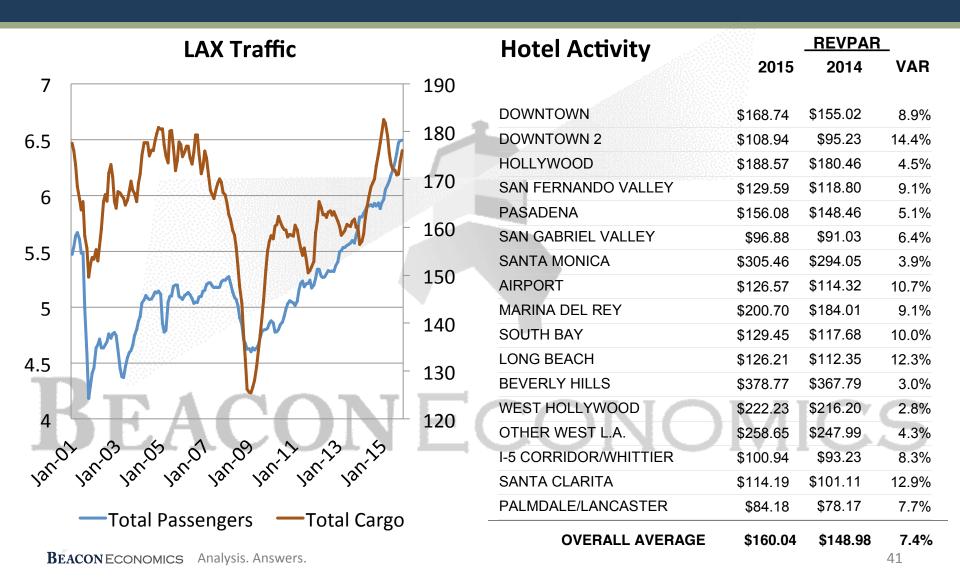
What kind? Where?

State Employment by Sector				State Employment by Region				
	Dec-15							
Total Nonfarm	16320.1	459.4	2.9%	San Jose	4.4%	Los Angeles	2.2%	
				SLO	4.0%	Oxnard	2.1%	
Construction/NR	773.9	56.3	7.8%	San Fran	3.7%	Visalia	2.1%	
Prof Sci and Tech	1287.8	66.2	5.4%	Riverside	3.6%	Fresno	2.0%	
Admin Support	1098.9	53.5	5.1%	Vallejo	3.5%	Oakland	2.0%	
Leisure and Hospitality	1861.1	76.6	4.3%	Salinas	3.4%	Redding	1.9%	
Information	477.4	15.4	3.3%	Stockton	3.2%	El Centro	1.8%	
Education/Health	2516	72.1	3.0%	Santa Maria	3.2%	Napa	1.7%	
Trade, Transport, Util.	2984.7	70.4	2.4%	Santa Rosa	2.9%	Madera	1.6%	
Management	231.3	4.9	2.2%	San Diego	2.7%	Bakersfield	0.8%	
Government	2467.2	35.5	1.5%	Anaheim	2.7%	Yuba City	0.7%	
Other Services	555.1	6.5	1.2%	Chico	2.6%	Hanford	0.5%	
Financial Activities	797.4	4.4	0.6%	Sacramento	2.5%	Santa Cruz	-0.7%	
Manufacturing	1269.2	-2.5	-0.2%	Modesto	2.5%	Merced	-2.3%	
BEACON ECONOMICS Analy	sis. Answers.						39	

Signs of Growth



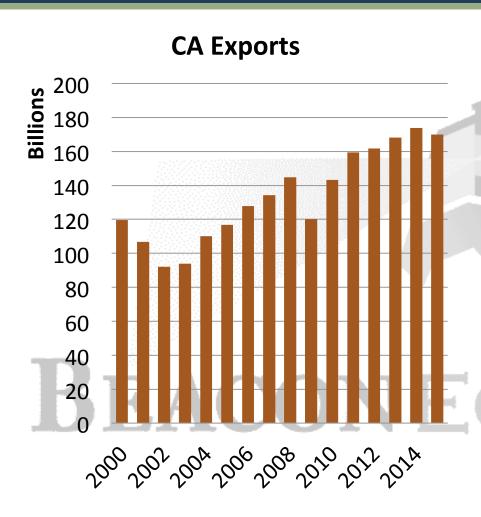
Travel and Tourism



State Output: Q2 14 to Q2 15

GSP by Industry	US	CA	Diff
All industry total	2.7%	4.3%	1.6%
Agriculture, forestry, fishing, and hunting	4.1%	28.2%	24.1%
Construction	4.2%	7.9%	3.7%
Professional, scientific, and technical services	5.7%	9.4%	3.6%
Management of companies and enterprises	6.7%	10.2%	3.5%
Accommodation and food services	1.6%	5.0%	3.4%
Information	6.1%	9.4%	3.3%
Durable goods manufacturing	1.6%	4.5%	2.9%
Wholesale trade	5.1%	7.7%	2.5%
Administrative and waste management services	4.2%	5.8%	1.6%
Health care and social assistance	3.5%	4.8%	1.3%
Government	-0.3%	0.8%	1.1%
Retail trade	2.9%	3.8%	0.9%
Transportation and warehousing	-1.2%	-1.0%	0.2%
Other services, except government	1.7%	1.8%	0.1%
Finance and insurance	2.5%	2.3%	-0.3%
Real estate and rental and leasing	2.6%	2.2%	-0.4%
Arts, entertainment, and recreation	2.4%	1.7%	-0.7%
Utilities	-3.4%	-4.2%	-0.8%
Educational services	-0.5%	-3.4%	-2.8%
Nondurable goods manufacturing	-0.1%	-3.9%	-3.7%
Mining BEACON ECONOMICS Analysis. Answers.	9.0%	-0.6%	-9.5%

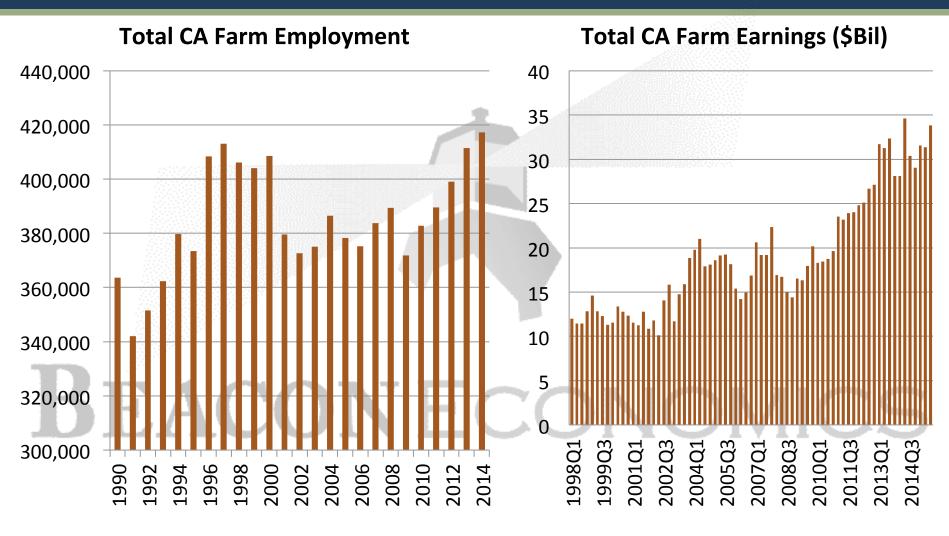
California Exports



	Snare Growth 2009-2015 Est	
	TOTAL ALL INDUSTRIES	
	Computer And Electronic Products	19.8%
ľ	Agricultural Products	12.6%
	Machinery, Except Electrical	10.6%
	Transportation Equipment	10.3%
	Miscellaneous Manufactured	10.3%
	Electrical Equipment	7.3%
	Chemicals	6.6%
	Used Or Second-Hand Merchandise	5.7%
	Food And Kindred Products	4.9%
	Petroleum And Coal Products	4.7%
	Primary Metal Manufacturing	2.7%
	Fabricated Metal Products, Nesoi	1.8%
	Beverages And Tobacco Products	1.6%
	Plastics And Rubber Products	1.5%
	Apparel And Accessories	1.3%

Share Growth 2009-2015 Est

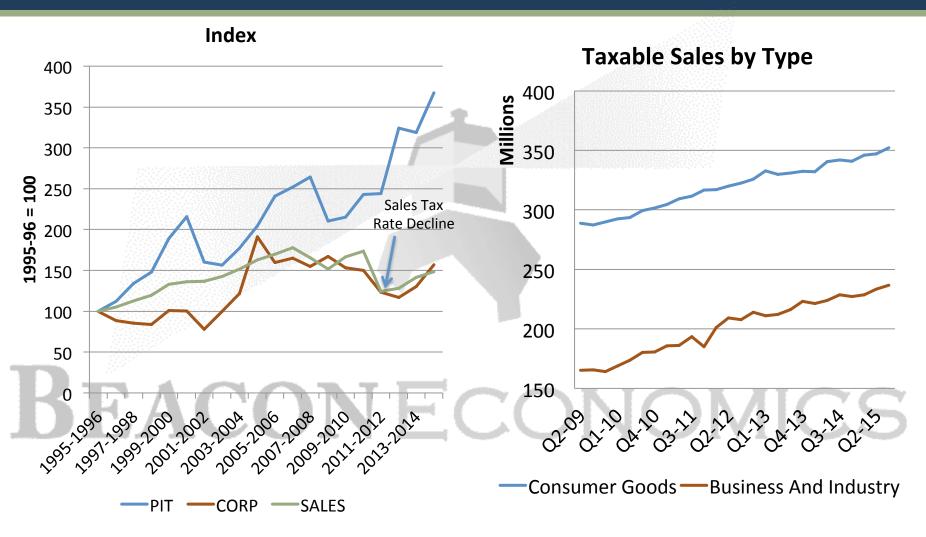
Ag and the Drought



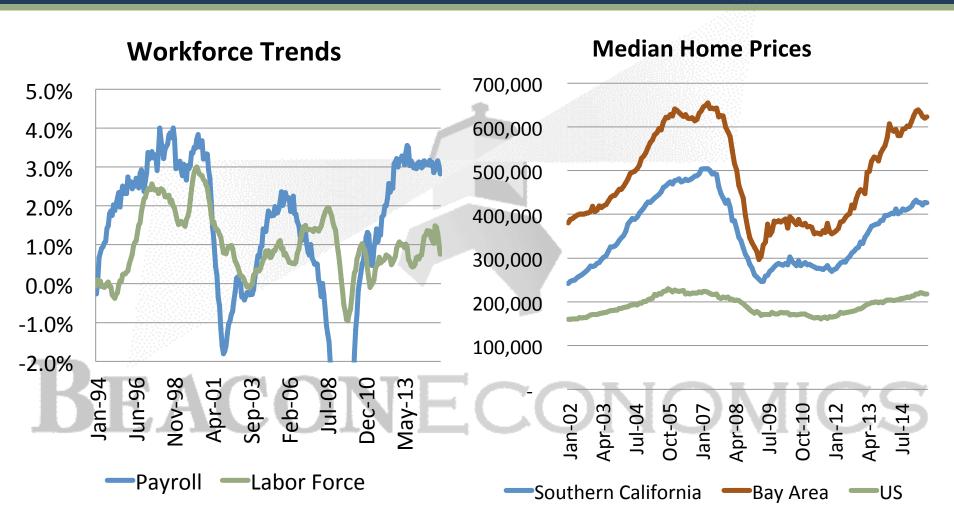
Looking Closer

Insurable Crops	2006	2014	California Produced Exports of Hay, Alfalfa etc
	6,664,6896	5,055,791	2,500 2,300
Forage Production	1,060,000	930,000	2,100
Almonds	580,000	860,000	1,900 1,700
Wheat	530,000	585,000	1,500
Grapes (Wine)	445,147	570,000	1,300 1,100
Rice	526,000	495,000	900
Corn	540,000	430,000	700
Cotton	600,000	315,000	1996 1998 1998 2000 20
Walnuts	215,000	290,000	5 5 5 5 5 5 H
Tomatoes	306,465	288,000	\$ / Kg Alfalfa Rice Nuts
Citrus – 8 types BEACON ECONOMICS	267,913 Analysis. Answers.	270,000	\$0.27 \$0.79 \$7.07

Income tax driving the show



Homes and Workers

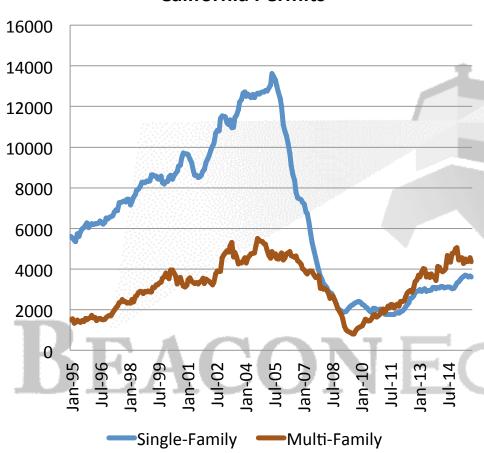


Bubble? No...

% Over Crowded		% Vacant	California Housing Affordability		
Hawaii	8.6%	Utah	5.1%	60.0	
California	8.2%	Minnesota	5.2%	ome 50.0	
Alaska	6.5%	California	5.3%	Total Housing Costs (% of Med. HH. Income) 0.02 0.00 0.01 0.01 0.01 0.01 0.01 0.01	
New York	5.0%	Vermont	5.4%	± 40.0	
Texas	4.8%	Colorado	5.5%	of M	
Arizona	4.5%	Massachusetts	5.6%	<u>%</u> 30.0	M. M.
Nevada	4.2%	New Hampshire	5.6%	Cost	
New Mexico	3.6%	Wisconsin	5.8%	Suisno 20.0	
District of Columbia	3.3%	Oregon	6.0%	표 10.0	
Utah	3.3%	Washington	6.4%	è	NIONAICC
Oregon	3.3%	Idaho	6.4%	0.0	
Washington	3.1%	Delaware	6.9%	, an'	way sep jan way sepi jan way i
Florida	3.0%	Maine	7.0%	20	4, 20, 10 4/2 20, 10 4/2

Pace of Construction

California Permits



New Pop / Permits

California	4.1	Tulare	4.0
Ventura	6.8	Los Angeles	4.0
Contra Costa	6.6	Fresno	4.0
Sonoma	6.1	San Mateo	3.4
Alameda	5.9	Kern	3.0
Santa Barbara	5.3	Santa Clara	3.0
San Bernardino	5.0	Orange	2.8
Solano	4.6	Placer	2.1
Riverside	4.5	San Francisco	2.1
San Diego	4.2	Sacramento	0.7

Why the Shortage?

CEQABIOD-13

Total Domestic Net Migration by Income 08-13

Under \$25,000	-192,061		Texas
\$25,000 to \$50,000	-58,600	Under \$25,000	-40070
\$50,000 to \$99,999	18,955	\$25,000 to \$50,000	-23741
Over \$100,000	2,619	\$50,000 to \$99,999	-3433
Total	-229,087	Over \$100,000	599

In Summary

What not to worry about.

- The US Dollar
- Student Debt
- Asset Bubbles
- Drought
- Consumer Spending
- Labor Markets
- California Business
- Taxes
- California Tax Levels
- Politics

What to worry about.

- China
- Educational Choices
- Bad financial regulation
- Water Policy
- Savings Rates
- Growing Wealth Inequality
- California Housing
- Lack of public investment
- California Tax Structure
- A lack of engagement



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