

Southern California Housing and Economic Outlook December 2018

UCLAAnderson
FORECAST

metrostudy
A HomeAdvisor Company

CALIBER
HOME LOANS

FEATURED SPEAKERS



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John Mulville
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Mark Robertson
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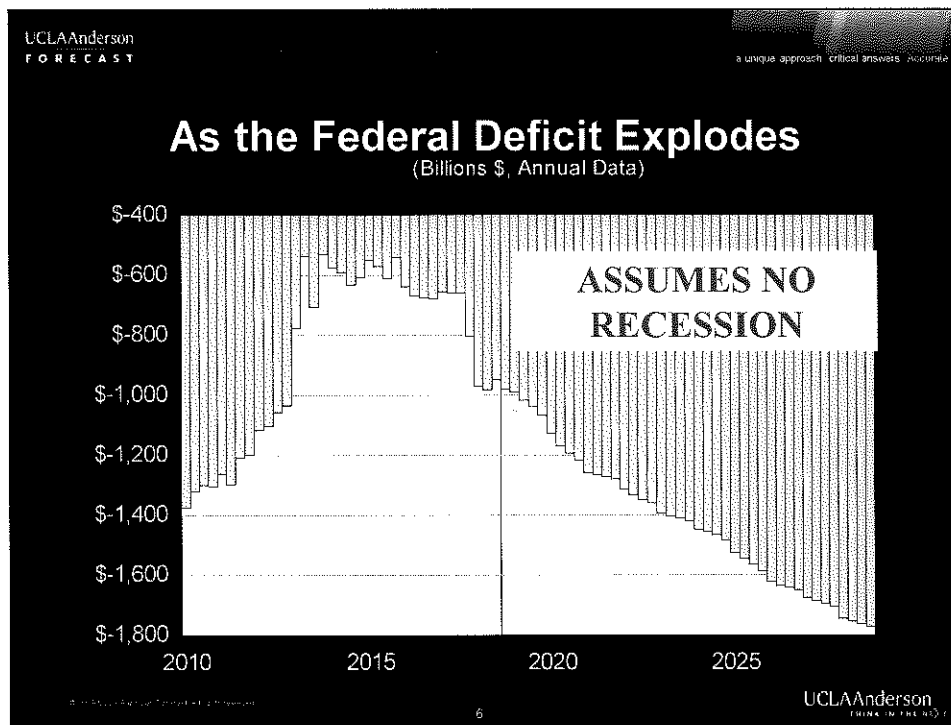
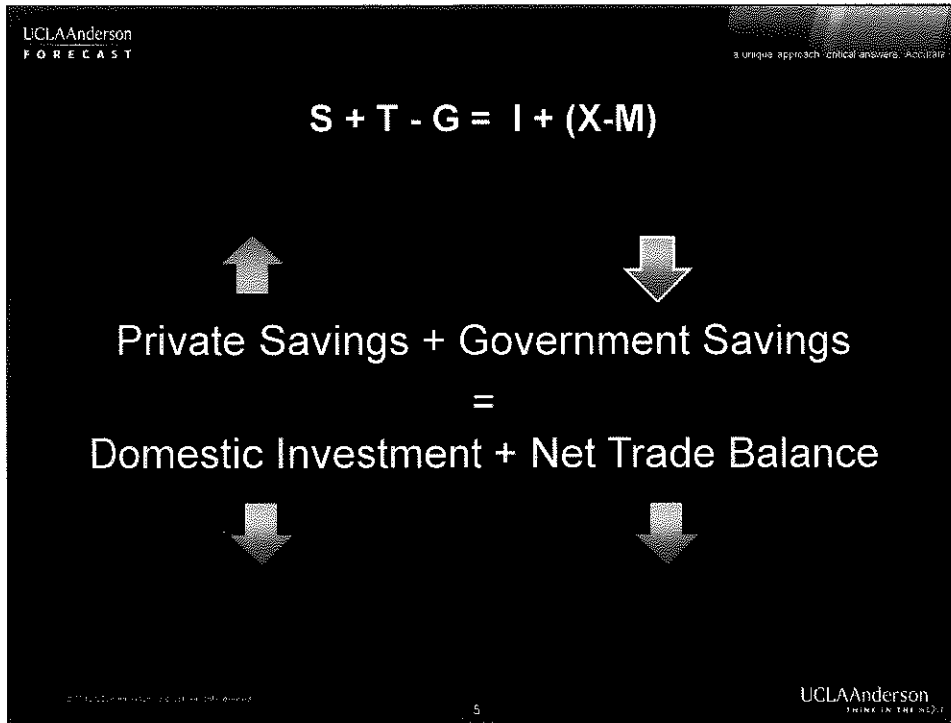
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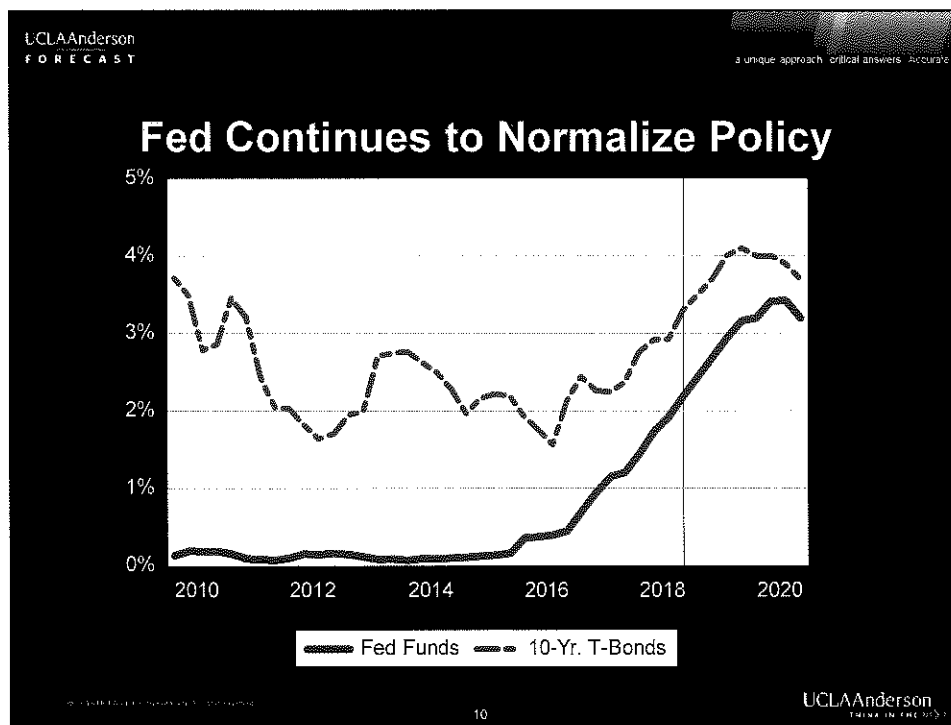
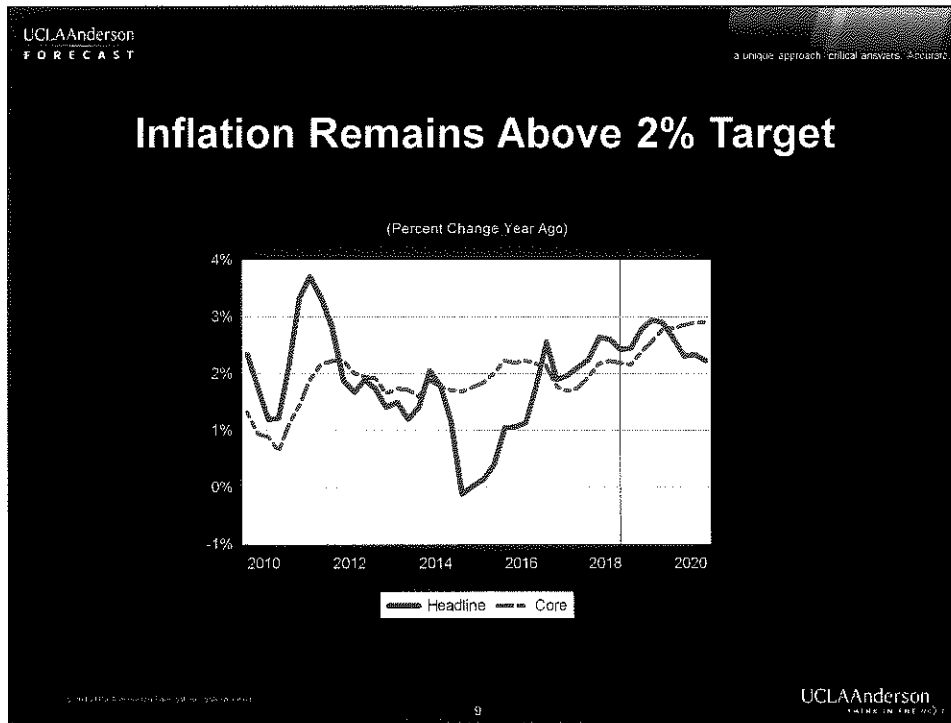
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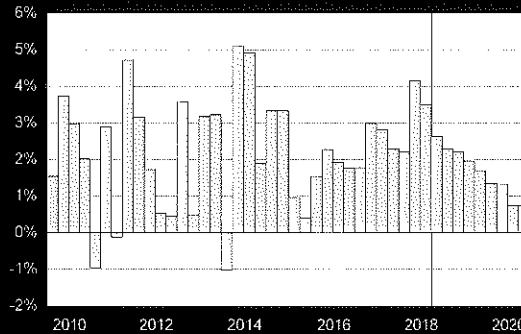




GDP Growth 3-2-1 (percent)



(Percent Change, SAAR)



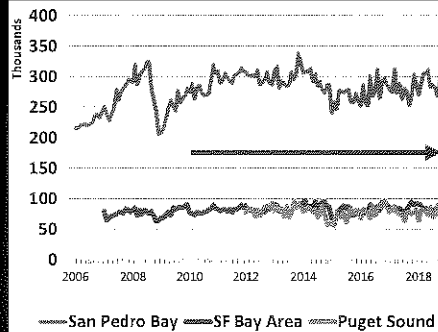
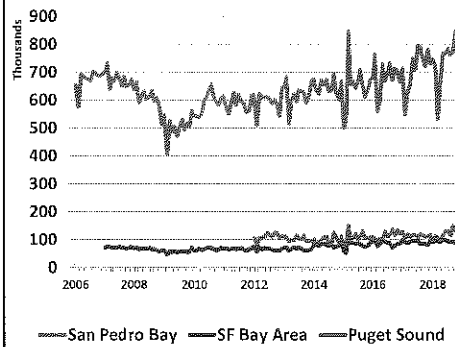
CALIFORNIA: HOW IS IT DIFFERENT?

- GDP growth & higher personal taxes
- Employment
- Trade response to recent tensions
- Home Construction & Higher Interest Rates
- The Forecast

LOGISTICS: SEAPORTS

a unique approach, critical answers, not just

WEST COAST SEAPORT IMPORTS (TEU, SA)

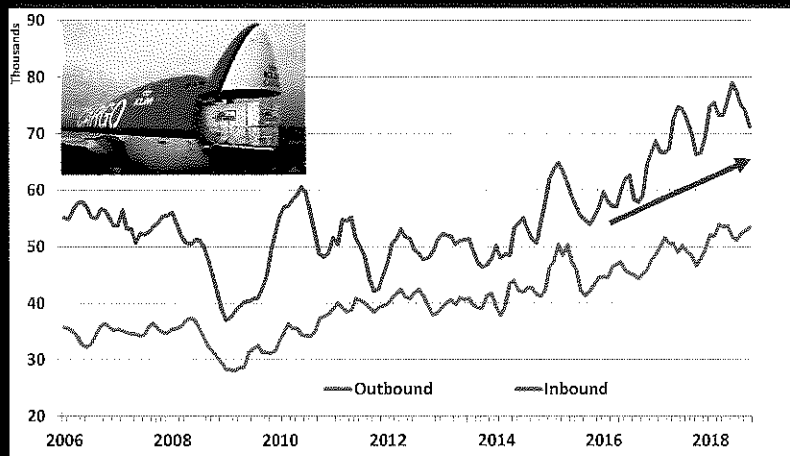


WEST COAST SEAPORT EXPORTS (TEU, SA)

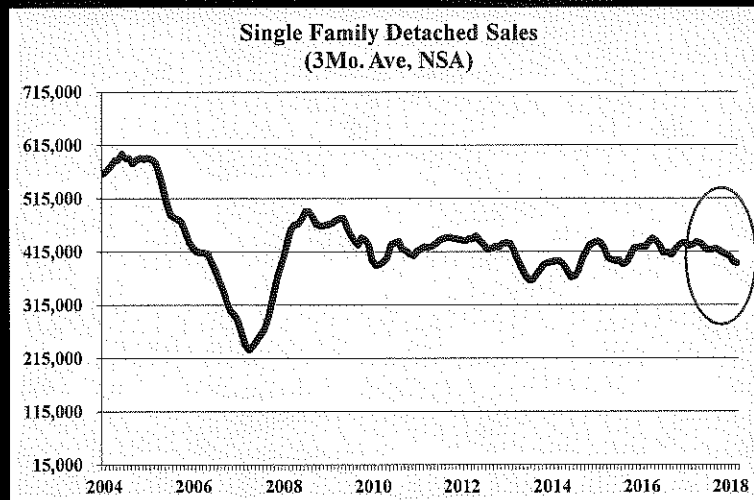
LOGISTICS: AIRPORTS

a unique approach, critical answers, not just

LAX & SFO AIR CARGO (Tons Loaded, 3 Mo. Ave.)



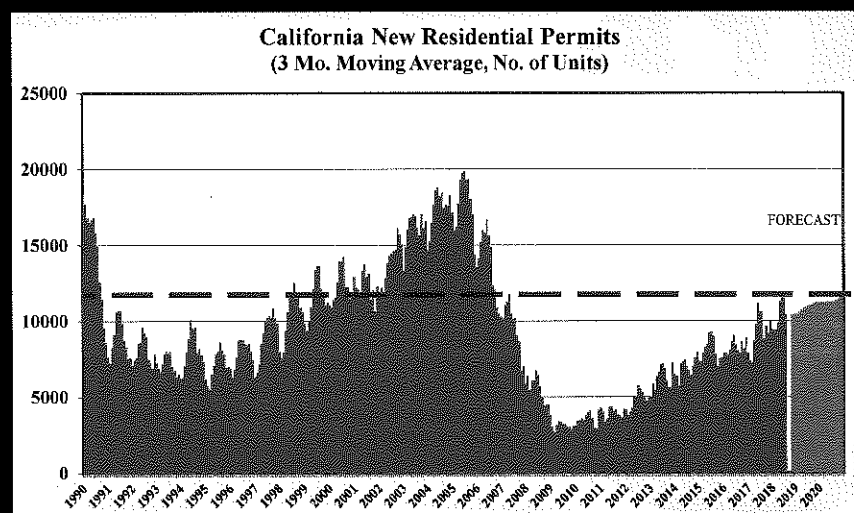
HOUSING: HOME SALES



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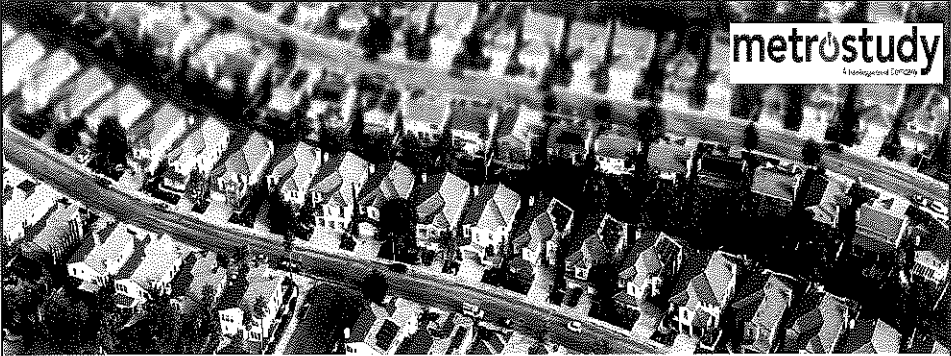
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HOUSING: PERMITS FOR NEW HOMES



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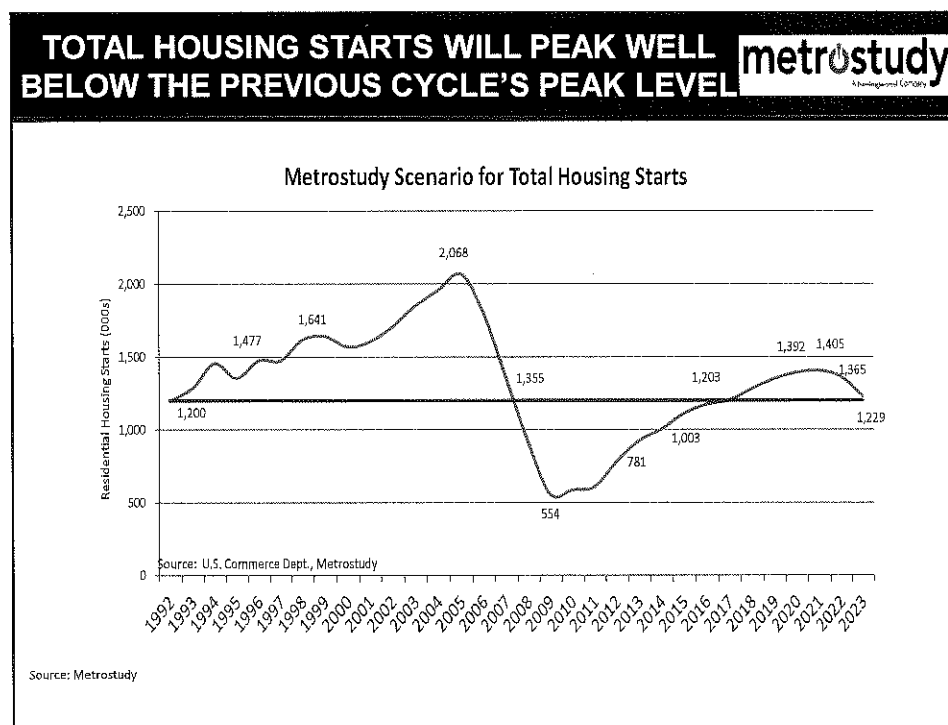
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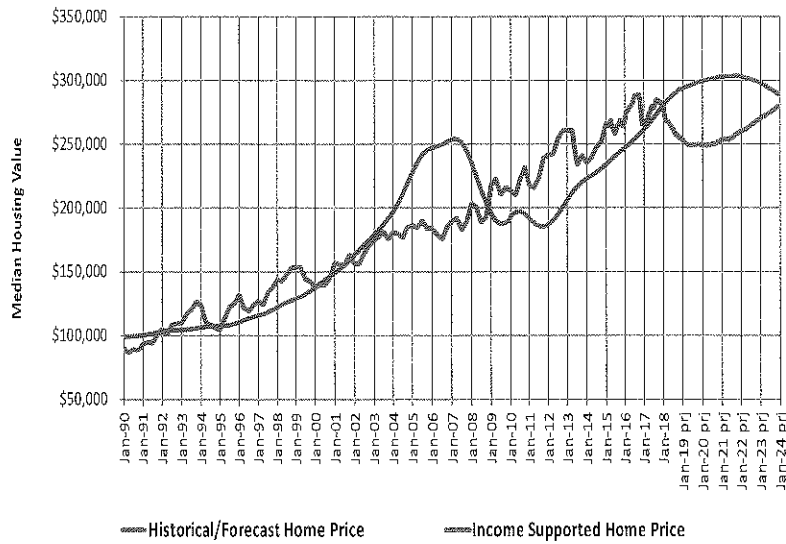
THE MODEL

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HOUSING PRICES AND PRICE SUPPORT IN THE UNITED STATES

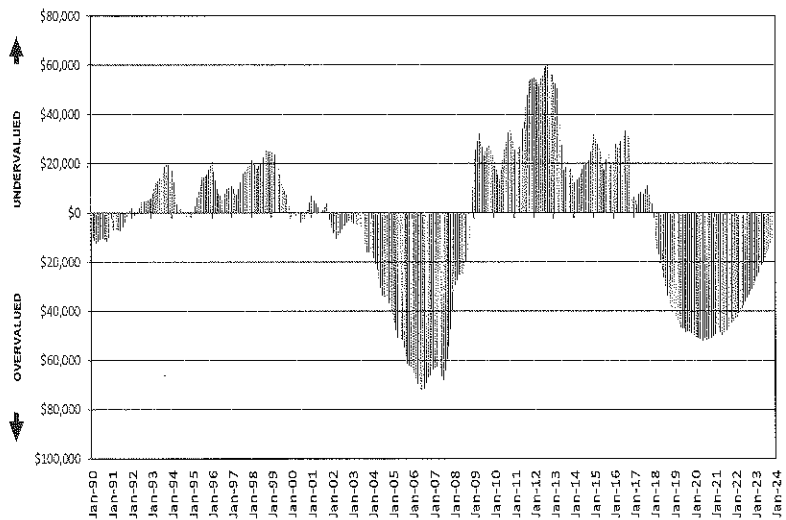
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Source: Metrostudy

HOUSING OVER/UNDER VALUATION IN THE UNITED STATES

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Source: Metrostudy

Market Opportunity Rankings

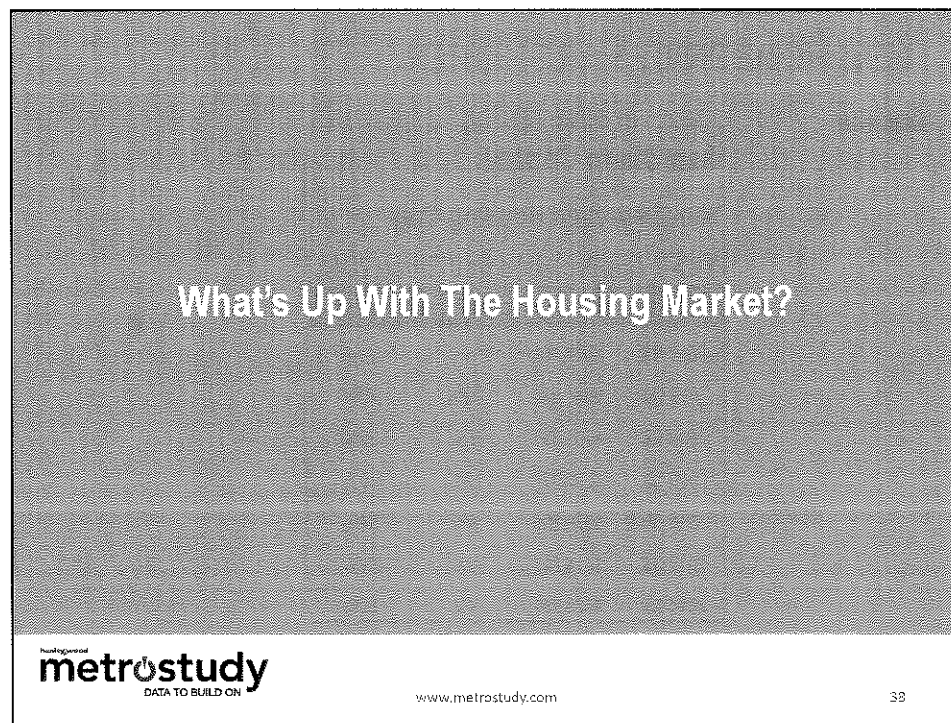
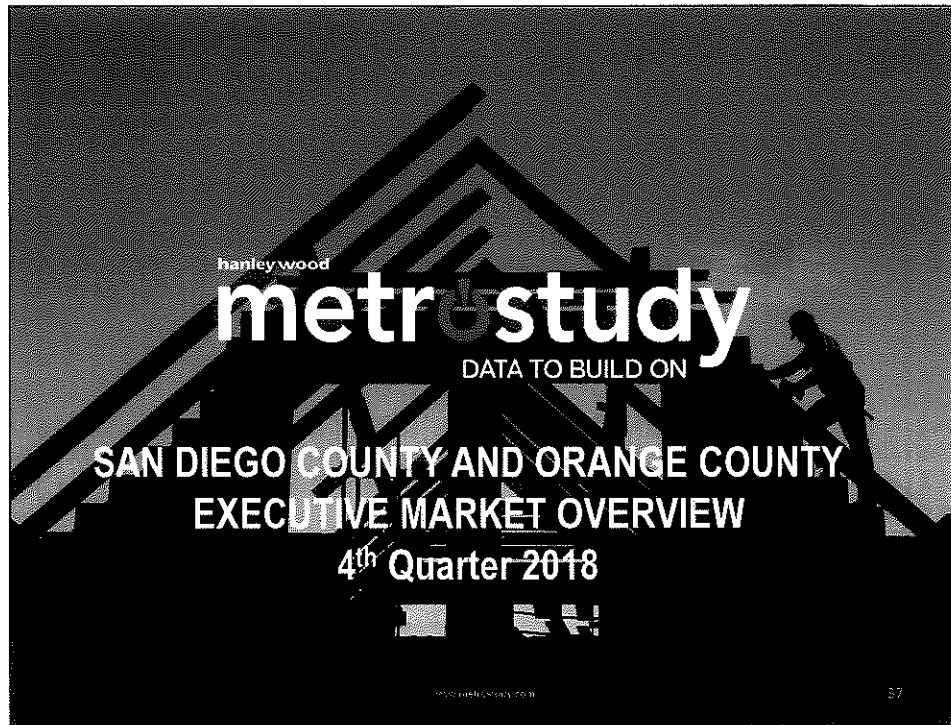
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A Sunquest Company

REGION	2018 Est. Jobs & Housing		2018 Home Prices		Median H.Hold Income	Year 2018 Under/(Over) Supplied	Year 2018 Under/(Over) Valued	Near-Term Risk	Year 2006 Under/(Over) Valued
	Non-Farm Jobs	Housing	Median	Equilibrium					
31 Los Angeles-Long Beach-Glendale, CA MD	4,508,821	3,582,116	\$569,769	\$491,341	\$65,516	3.5%	-13.5%	Low	-39.0%
32 Sacramento-Roseville-Arden-Arcata, CA CBSA	980,353	805,337	\$398,268	\$333,419	\$78,547	3.9%	-13.8%	Low	-39.0%
33 San Francisco-Oakland-Hayward, CA CBSA	1,309,094	1,287,978	\$425,028	\$307,138	\$78,718	3.0%	-10.9%	Low	-18.3%
34 Ogden-Clearfield, UT CBSA	281,149	228,100	\$282,713	\$245,346	\$76,593	4.3%	-13.2%	Low	-2.0%
35 Columbus, OH CBSA	1,099,793	878,183	\$202,877	\$174,840	\$66,667	4.4%	-13.0%	Low	-5.6%
36 Vallejo-Fairfield, CA CBSA	130,916	139,693	\$444,512	\$375,307	\$79,191	4.7%	-13.4%	Low	-23.1%
37 Tampa-St. Petersburg-Clearwater, FL CBSA	1,381,729	1,400,213	\$225,800	\$203,091	\$85,176	3.9%	-11.2%	Low	-37.6%
38 Indianapolis-Carmel-Anderson, IN CBSA	1,081,287	904,222	\$174,099	\$148,332	\$63,229	4.5%	-14.8%	Low	-3.7%
39 Reno, NV CBSA	241,796	205,000	\$379,684	\$300,765	\$63,461	5.5%	-20.8%	Low	-36.8%
40 Portland-Vancouver-Hillsboro, OR-WA CBSA	1,197,939	1,002,883	\$384,821	\$358,868	\$75,144	3.4%	-8.1%	Low	-26.9%
41 Charlotte-Concord-Gastonia, NC-SC CBSA	1,223,853	1,072,447	\$224,423	\$194,622	\$64,428	4.2%	-13.3%	Low	-10.9%
42 Philadelphia-Canby-Wilmington, PA-NJ-DE-MD CBSA	2,947,656	2,564,088	\$233,597	\$211,223	\$72,637	2.0%	-1.2%	Low	-21.4%
43 Fort Collins, CO CBSA	172,672	148,741	\$415,228	\$331,275	\$72,636	6.3%	-20.2%	Low	1.0%
44 Seattle-Bellevue-Everett, WA MD	1,738,744	1,283,677	\$560,779	\$492,226	\$91,798	3.8%	-12.2%	Low	-28.9%
45 Providence-Warwick, RI-MA NECTA	594,633	706,805	\$289,329	\$278,599	\$65,763	2.3%	-3.7%	Low	-27.2%
46 Phoenix-Mesa-Scottsdale, AZ CBSA	2,110,653	1,945,246	\$258,671	\$232,422	\$63,501	3.2%	-10.1%	Low	-25.4%
47 Minneapolis-St. Paul-Bloomington, MN-WI CBSA	2,028,916	1,501,747	\$260,892	\$241,955	\$78,692	2.6%	-7.9%	Low	-25.8%
48 Richmond, VA CBSA	582,643	551,194	\$253,477	\$242,863	\$70,827	1.9%	-4.2%	Low	-26.3%
49 Kansas City, MO-KS CBSA	1,102,647	987,217	\$206,924	\$184,612	\$67,939	3.0%	-10.8%	Moderate	-14.9%
50 Salt Lake City, UT CBSA	735,529	434,634	\$311,396	\$277,165	\$74,901	3.1%	-11.0%	Moderate	-16.1%
51 Washington-Arlington-Alexandria, DC-VA-MD-WV CBSA	3,344,149	2,435,023	\$434,005	\$431,562	\$102,690	1.1%	-0.8%	Moderate	-35.4%
52 Warch Front, UT (Provo, UT & Salt Lake City, UT CBSAs)	1,251,913	819,985	\$320,506	\$275,450	\$75,798	3.4%	-14.1%	Moderate	-10.7%
53 Las Vegas-Henderson-Paradise, NV CBSA	1,007,235	902,048	\$260,871	\$230,902	\$68,293	2.9%	-11.5%	Moderate	-36.9%
54 Naples-Immokalee-Marco Island, FL CBSA	146,152	219,041	\$460,980	\$418,178	\$65,526	2.4%	-9.3%	Moderate	-44.7%
55 Pittsburgh, PA CBSA	1,192,504	1,186,985	\$148,708	\$148,420	\$61,903	0.8%	-0.2%	Moderate	-7.7%
56 Springfield, MO CBSA	217,753	187,757	\$174,476	\$136,795	\$51,454	0.4%	-7.9%	Moderate	-18.7%
57 Jacksonville, FL CBSA	711,416	686,683	\$225,248	\$202,487	\$64,014	2.4%	-10.1%	Moderate	-25.7%
58 Fayetteville-Springdale-Rogers, AR-MO CBSA	260,668	203,635	\$190,066	\$169,672	\$55,239	2.4%	-10.7%	Moderate	-6.8%
59 Urban Honolulu, HI CBSA	481,433	355,239	\$817,620	\$721,037	\$85,564	2.0%	-11.8%	Moderate	-21.4%
60 Knoxville, TN CBSA	402,674	385,265	\$181,700	\$173,315	\$54,712	1.2%	-4.6%	Moderate	-14.5%
61 Wilmington, NC CBSA	128,954	143,626	\$252,840	\$241,743	\$51,053	1.1%	-1.4%	Moderate	-25.9%
62 Milwaukee-Waukesha-West Allis, WI CBSA	872,202	694,300	\$235,806	\$230,773	\$65,011	0.6%	-2.1%	Moderate	-21.6%

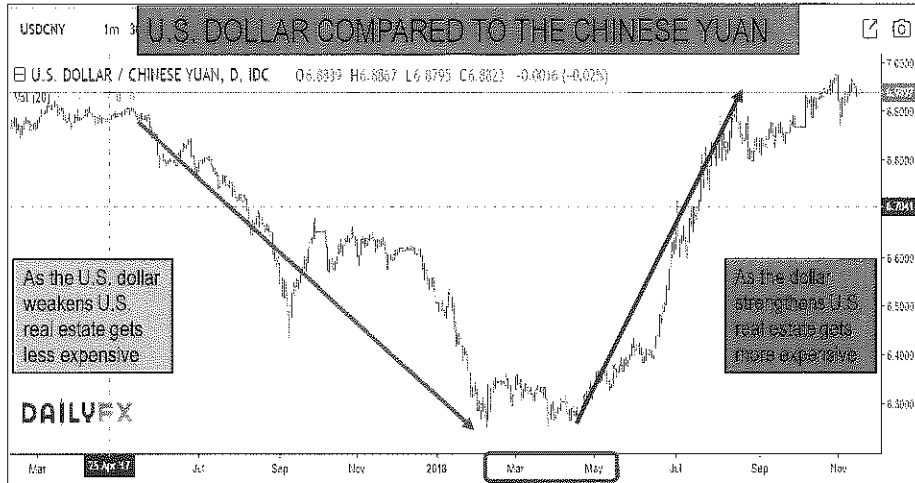
Market Opportunity Rankings

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REGION	2018 Est. Jobs & Housing		2018 Home Prices		Median H.Hold Income	Year 2018 Under/(Over) Supplied	Year 2018 Under/(Over) Valued	Near-Term Risk	Year 2006 Under/(Over) Valued
	Non-Farm Jobs	Housing	Median	Equilibrium					
63 Oxnard-Thousand Oaks-Ventura, CA CBSA	310,580	287,627	\$704,457	\$617,859	\$85,333	2.3%	-12.3%	Moderate	-55.7%
64 Greenville-Anderson-Mauldin, SC CBSA	422,680	389,519	\$203,144	\$189,888	\$69,717	1.4%	-7.1%	Moderate	-8.0%
65 Lakeland-Winter Haven, FL CBSA	226,637	289,228	\$187,492	\$163,581	\$50,000	2.3%	-12.7%	Moderate	-32.2%
66 Colorado Springs, CO CBSA	285,960	257,095	\$285,355	\$281,642	\$65,400	1.5%	-6.3%	Moderate	-18.6%
67 Boise City, ID CBSA	328,826	285,838	\$229,885	\$202,014	\$60,231	2.1%	-11.7%	Moderate	-20.1%
68 Cleveland-Elyria, OH CBSA	1,071,352	1,000,319	\$148,018	\$139,768	\$57,008	0.9%	-5.6%	High	-9.8%
69 Charleston-North Charleston, SC CBSA	361,884	349,609	\$284,676	\$263,136	\$82,600	1.3%	-7.6%	High	-21.0%
70 Oklahoma City, OK CBSA	641,039	592,109	\$150,769	\$136,834	\$56,506	2.9%	-6.5%	High	-16.4%
71 St. Louis, MO-IL CBSA	1,384,182	1,338,774	\$176,209	\$163,678	\$64,873	1.1%	-7.2%	High	-17.2%
72 McAllen-Edinburg-Mission, TX CBSA	260,826	274,923	\$94,313	\$89,778	\$38,089	0.8%	-4.8%	High	-8.1%
73 Raleigh-Durham, NC CBSAs	966,303	808,348	\$267,479	\$243,337	\$71,682	1.3%	-6.0%	High	-16.1%
74 St. George, UT CBSA	66,254	76,324	\$301,422	\$254,771	\$58,858	2.4%	-15.5%	High	-23.1%
75 Augusta-Richmond County, GA-SC CBSA	241,928	268,356	\$157,513	\$142,864	\$53,322	1.3%	-9.3%	High	-6.4%
76 El Paso, TX CBSA	318,487	291,728	\$156,000	\$146,887	\$45,339	0.3%	-4.7%	High	-19.4%
77 Columbia, SC CBSA	401,230	351,006	\$167,946	\$166,117	\$57,766	-0.8%	-1.1%	High	-10.7%
78 Winston-Salem, NC CBSA	265,226	298,340	\$165,072	\$145,920	\$50,121	0.2%	-6.5%	High	-10.9%
79 Dallas-Fort Worth-Arlington, TX CBSA	3,710,883	2,896,309	\$254,911	\$198,228	\$68,989	2.8%	-22.2%	High	-4.1%
80 Palm Bay-Melbourne-Titusville, FL CBSA	215,295	284,531	\$221,584	\$172,835	\$64,689	15.8%	-22.0%	High	-36.6%
81 Waco, TX CBSA	123,058	109,884	\$180,776	\$127,832	\$58,812	1.6%	-15.3%	High	-4.3%
82 Bakersfield, CA CBSA	201,018	285,681	\$240,544	\$218,295	\$51,940	0.8%	-10.1%	High	-15.7%
83 Austin-Round Rock, TX CBSA	1,083,801	840,191	\$305,537	\$272,210	\$77,558	0.7%	-11.2%	High	-4.5%
84 Memphis, TN-MS-AR CBSA	654,937	608,183	\$172,611	\$162,941	\$54,187	0.5%	-11.4%	High	-14.9%
85 Baton Rouge, LA CBSA	409,834	367,096	\$188,460	\$191,770	\$67,271	-1.2%	-3.4%	High	-24.0%
86 Spokane-Spokane Valley, WA CBSA	260,068	250,489	\$230,811	\$212,853	\$67,346	-0.5%	-7.3%	High	-24.0%
87 Houston-The Woodlands-Sugar Land, TX CBSA	3,084,956	2,648,044	\$225,630	\$199,818	\$66,970	0.2%	-11.4%	High	-6.0%
88 Huntsville, AL CBSA	239,273	188,628	\$199,066	\$150,679	\$61,430	-1.1%	-4.2%	High	-10.7%
89 Virginia Beach-Norfolk-Newport News, VA-NC CBSA	785,184	777,113	\$228,023	\$228,837	\$68,527	-1.7%	-1.3%	High	-23.4%
90 Birmingham-Hoover, AL CBSA	540,807	528,962	\$197,902	\$179,207	\$66,523	-0.4%	-9.4%	High	-11.7%
91 Greensboro-High Point, NC CBSA	366,820	340,839	\$164,074	\$155,105	\$48,391	-1.0%	-6.7%	High	-13.3%
92 Des Moines-West Des Moines, IA CBSA	373,359	285,585	\$200,889	\$189,681	\$70,861	-1.2%	-5.6%	High	-9.9%
93 Albuquerque, NM CBSA	386,871	359,202	\$207,439	\$202,360	\$55,053	-1.8%	-2.4%	High	-17.9%
94 San Jose-Sunnyvale-Santa Clara, CA CBSA	1,119,714	776,500	\$1,381,189	\$1,022,838	\$121,910	0.2%	-22.5%	High	-24.7%



FOREIGN BUYERS GO TO THE SIDE LINES



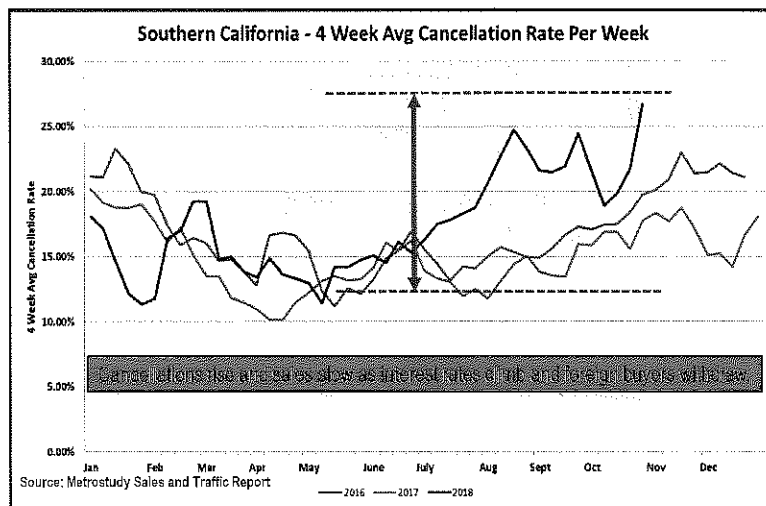
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Note the March to May 2018 time frame outlined above.

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FOREIGN DEMAND COOLS, CONFIDENCE WEAKENS, CANCELLATIONS RISE

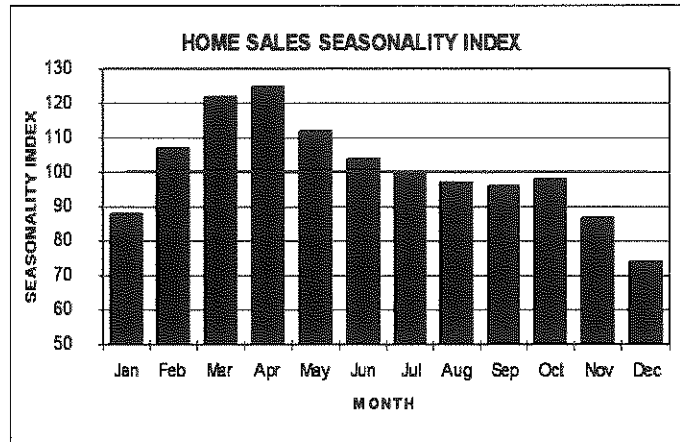


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HOME SALES ARE ALWAYS SEASONAL



Existing Home Market

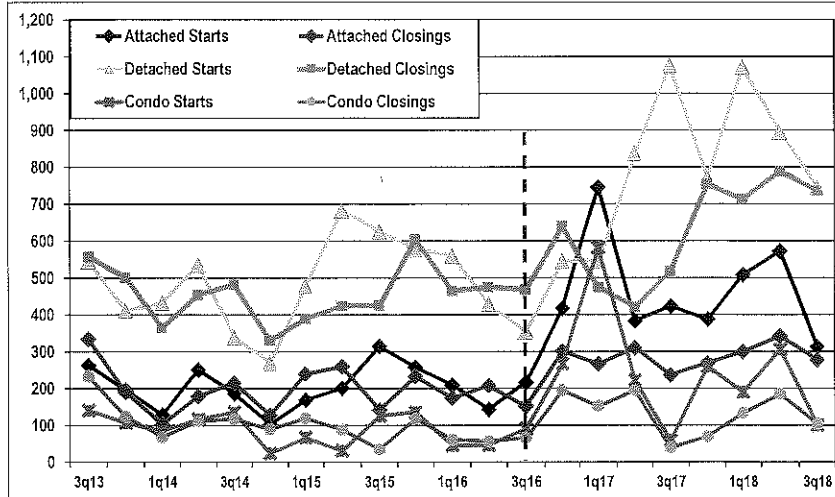
New Home Market San Diego County

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San Diego County – New Home Starts and Closings – Quarterly Totals



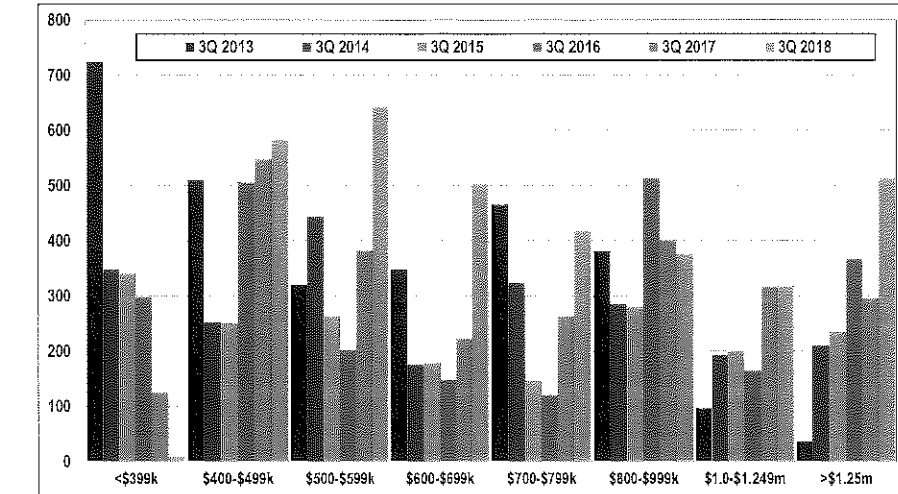
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San Diego County

Historical Annual Closings by Price Range – 3Q 2013 to 3Q 2018



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Top Production Builders by Trailing Twelve Month Closings

Attached, Condo & Detached

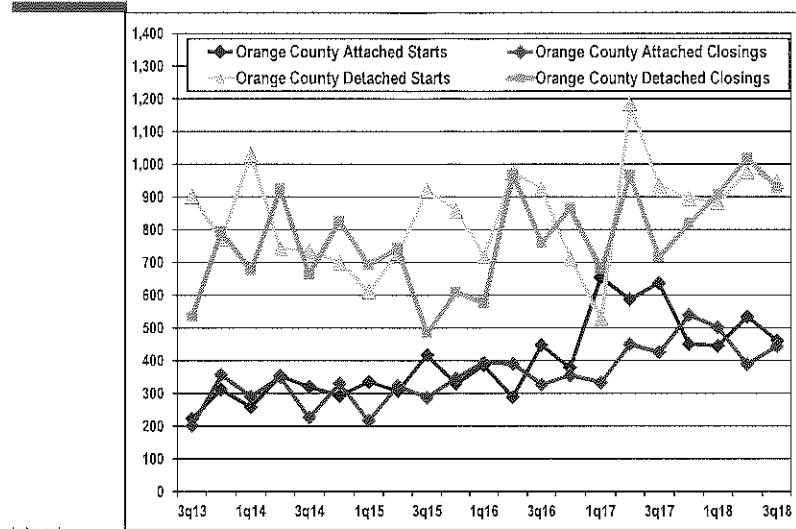
Rank	Builder	TTM	3Q 2018	2Q 2018	1Q 2018	4Q 2017
1	Calatlantic Homes	475	106	176	87	106
2	Shea Homes	346	37	93	121	95
3	Pardee Homes	338	67	98	106	67
4	KB Home	236	44	121	28	43
5	Lennar Homes	170	22	25	53	70
6	Toll Brothers, Inc.	148	33	47	31	37
7	Cornerstone Communities	129	10	25	49	45
8	Brookfield Residential	127	0	1	49	77
9	Beazer	123	34	22	30	37
10	Bosa Development	115	0	0	0	115
11	Taylor Morrison	92	25	45	10	12
12	Express Homes	91	0	0	52	39
13	DR Horton Homes	88	0	6	38	44
14	Pacific Coast Communities	69	0	17	33	19
15	Meridian Communities	67	29	8	12	18

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Orange County – New Home Starts and Closings – Quarterly Totals

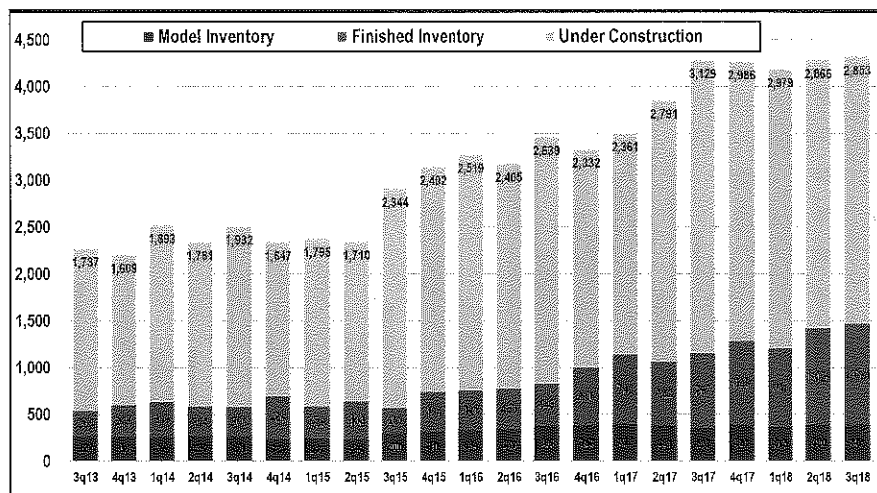


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Orange County – Inventory By Type (Models + Finished Vacant + Under Construction)



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58

Top Production Builders by Trailing Twelve Month Closings

Rank	Builder	TTM Closings	3Q 2018	2Q 2018	1Q 2018	4Q 2017
1	Irvine Pacific	576	179	147	81	169
2	Toll Brothers Inc	535	110	103	183	139
3	CalAtlantic Homes	371	43	90	111	127
4	Shea Homes	368	77	106	77	108
5	TRI Pointe Homes	352	45	64	149	94
6	California Pacific	347	108	140	49	50
7	Lennar	330	59	90	112	69
8	William Lyon Homes	289	93	88	76	30
9	Taylor Morrison	251	40	55	81	75
10	The New Home	214	28	38	63	85
11	The Olson Company	169	10	68	38	53
12	KB Home	144	29	60	30	25
13	City Ventures	116	25	28	49	14
14	Del Webb	112	39	30	13	30
15	Meritage Homes	106	20	15	35	36

HOUSING MARKET OUTLOOK

The Economy

- A recession is NOT imminent in the next 12-18 months, however, economic growth has peaked for this cycle.

The Cycle

- Higher rates, tight labor and production bottlenecks are signs of cycle maturity, watch indicators carefully,

Supply Constraints

- Housing production is increasing, but not enough to offset the supply shortfall at affordable price points,

Input Costs

- Labor, materials costs and interest rates are rising faster than incomes, affordability is clearly challenged,

Buyer Psychology

- Some "pull-forward" in sales occurred in 2017 to avoid higher rates, foreigners on sidelines,

Demand

- There is solid demand from millennials, mature buyers and move-up buyers, foreign demand is weak,

Bottom Line

- Low levels of construction and the deep undersupply will continue to provide decent price support. Sales volume will trend lower while prices adjust. Foreigners will wait for conditions they consider more favorable.