ORANGE COUNTY FOCUS:
Forging Our Common Future

CENTER FOR
DEMOGRAPHICS & POLICY
RESEARCH BRIEF

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“Demographics is destiny” has become somewhat overused as a phrase, but that does not reduce the critical importance of population trends to virtually every aspect of economic, social and political life. Concern over demographic trends has been heightened in recent years by several international trends—notably rapid aging, reduced fertility, large scale migration across borders. On the national level, shifts in attitude, generation and ethnicity have proven decisive in both the political realm and in the economic fortunes of regions and states.

The Center focuses on research and analysis of global, national and regional demographic trends and also looks into policies that might produce favorable demographic results over time. In addition, it involves Chapman students in demographic research under the supervision of the Center’s senior staff. Students work with the Center’s director and engage in research that will serve them well as they look to develop their careers in business, the social sciences and the arts. They have access to our advisory board, which includes distinguished Chapman faculty and major demographic scholars from across the country and the world.
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Old Town Orange Neighborhood.
photo by Ethan Stupp
SECTION ONE: EXECUTIVE SUMMARY

Orange County is, in many ways, among the nation’s best of places to live and work, but also one whose very attractiveness threatens its long term social, economic and environmental sustainability.

Much of this report is built around the assumption that Orange County will retain its allure for those who have the means and opportunity to live here. Few locations possess its combination of cultural and natural assets, talent, and innovative spirit. These attractions have helped make Orange County the nation’s sixth largest county in terms of its output, which is larger than that of 25 states.¹

Yet, as we discovered in our initial report, “The OC Model,” Orange County faces severe challenges on numerous fronts.² The area has continued to lag competitors in high paying job creation in relation to its most dynamic high cost rivals, the Bay Area and Seattle, as well as to those like Austin, Dallas, Denver and Phoenix, that offer lower housing prices, a more pro-business environment, and often more compelling career opportunities. This can be seen in such crucial fields as professional and business services, and in high-technology and finance, where our relative strength, while still impressive, has been stagnant and, in some cases, has even decreased.

Maintaining and then expanding OC’s presence in these fields should be the dominant focus of future development efforts, along with expanding the opportunities for middle-skill jobs. Given the current regulatory environment in California and the likely persistence of high housing prices, Orange County must nurture high wage employment in promising fields like data analytics, medical technology, and design, which pay enough to allow millennial and Generation X workers to stay here. At the same time, we must maintain our strengths in real estate and finance. Without growth in these select sectors, the county will continue to age rapidly, and become akin to places like Hawaii or Palm Beach, Florida — retirement-oriented communities serviced by low-wage workers.

This leads to our second challenge, how to grow opportunity for the region’s working and middle-class residents. Despite its reputation as an abode for the rich, or at least the very affluent, barely one in three OC residents earns over $75,000, a significantly lower level than many of our competitors. Much of
our local workforce has become a critical priority.

Fortunately, the county possesses the resources and economic potential to address these challenges. The extent of poverty remains considerably lower than in some surrounding areas, such as Los Angeles, and our education system is far more effective. Our base of upwardly mobile industries remains robust and could become even more so, providing opportunities to both highly educated and working-class residents. Due to our unique confluence of tech, design, and arts industries, we remain well positioned to lead in the growing integration of the digital world with lifestyle. This is reflected in our robust and growing entrepreneurial sector.

Ultimately, though, our county’s future relies on the will and energy of its residents. Partly because of our long history of somewhat effortless success, we have done very little to shape a common vision or organize our business community to promote and market the region. This is particularly notable in terms of media and marketing, compared to regions from San Diego to New York that have developed strong business links among local companies and a powerful outward facing effort to appeal to those outside their region.

Orange County, according to our survey and media analysis, is somewhat “off the radar” for individuals and companies to consider it as a place to live and invest. This can be corrected with strong action by business, government and the non-profit sector. We already have what other places can only dream about: a well-educated workforce, ample open space, vibrant cultural institutions and a diverse, energetic population.

The raw materials for a return to strong growth and optimism are all there. It is up to us to catalyze them into a powerful competitive advantage.

SECTION TWO: THE PRO-TECH CHALLENGE

The future of high-cost Orange County depends on its ability to attract and nurture high-wage employment. Whether employment growth comes from new enterprises or from the expansion of existing companies, Orange County needs to focus on this job-creation challenge.

Since the Great Recession, OC has recovered, but not nearly as well as Northern California, and lagged behind both the state and the nation in job and wage increases. Cal State Fullerton forecasts that the county will suffer the most anemic rate of job growth of any part of Southern California over the next three years. In 2017 OC accounted for 12.5 percent of all California’s major layoffs, well above its 8.3 percent share of the state’s jobs. (see Figure 1) The slowdown has spanned a broad range of industries.

Besides reinvigorating high wage growth, we need to reverse a disturbing and growing dependence on low wage sectors like hospitality, whose share of
the OC workforce is the highest it has been in over a quarter century; overall, its share is larger than that of business and professional services. From 2003 to 2015, employment rose in arts and entertainment, health care, social assistance, and the accommodation and food services industries. As their share of overall county businesses has increased, employment has declined in other, often higher paying industries. OC’s recent job gains are now concentrated in both the historically volatile construction sector, and in hospitality, while manufacturing has continued to decline, and high-end business services have stagnated.

Of course, jobs in less remunerative fields provide important employment opportunities, but they generally fail to provide a living wage, particularly given our high costs. If this pattern continues, it could perpetuate our excessively high level of near and abject poverty — nearly 30 percent, according to United Way — as well as overcrowding and, in the worst case, the growth of homelessness. By some estimates, OC and Los Angeles have a higher poverty rate than the proverbially blue collar Inland Empire. At least 775,000 of our fellow county citizens live in poverty. (see Figure 2)

OC has not done as well at creating higher-paying jobs as Silicon Valley or New York, or as growth economies like Austin, Charlotte, Dallas and Salt Lake City. Overall, it has lost more than 16,000 high wage jobs since 2007; in contrast, the Bay Area counties added more than 200,000. (see Figure 3)

Our best hope for future growth and overall economic and social sustainability...
relies on what we define as Pro-Tech, that is, on bolstering high wage employment with the jobs that combine technology and business professional services and design. Together, these are the largest high-wage growth sectors in the country. Growth and maintenance of high wage jobs remains the defining factor in regional economies.

In the past, we thought of tech and professional services as distinctly different, but they are increasingly linked. We can see this in the fastest growth areas for tech — for example, San Francisco, Silicon Valley, Seattle, Dallas and Austin — which are increasingly also those that have seen the biggest growth in professional services. The emergence of companies such as Amazon, Uber, Lyft, and Salesforce.com suggests that these functions are merging. Even prototypical tech firms such as Google, Apple and Microsoft are increasingly focused on what were once seen as services: movies, television and, above all, advertising. Cloud services, Apple Pay, and the App Store now drive Apple’s growth; services, rather than products. A surge in Pro-Tech jobs would play to OC’s natural ability to transcend traditional barriers across a broad array of industries. These professional jobs are growing faster nationally than information jobs, which have dropped in the past decade, and are projected to experience little growth in the coming decade.

ASSESSING OUR CURRENT STRENGTHS IN PRO-TECH, AND INTRODUCING “LIFE-TECH”

No region can be strong in every aspect of a field, particularly fields as tightly contested as tech and professional services. Overall, Orange County’s tech sector is among the most varied in the nation, even as its growth has been well below that of our competitors. Earlier in this decade, the Bay Area created 150,000 new STEM jobs, while OC created less than 4000. Our close neighbor San Diego created roughly twice as many of these positions as OC, as did less established competitors like Salt Lake City, Indianapolis and even Kansas City. (see Figure 4)

The most recent STEM numbers, for 2017, are slightly better, although below the national average, and OC sometimes lags competitors by wide margins: it is behind the Bay Area metropolitan areas, which have begun to slow, as well as Atlanta, Dallas-Ft. Worth, and Phoenix, where total STEM jobs increased anywhere by anywhere from 10 to 40 percent, compared to OC’s less than 4 percent.

The good news is that OC retains a
stronger position in the combination of tech and business services than many of its rivals. This is despite the fact that growth in both sectors is slow compared to our key competitors. Nonetheless, overall, the county’s Pro-Tech LQ — its location quotient, that is, its relative density per capita compared to rest of the nation — is seventh in the US; on a par with San Diego, and slightly behind Los Angeles, but well above the national average. (see Figure 5)

This is a strength we should seek to expand. Orange County ranked #33 on the Forbes list of year-over-year growth (2015-2016) in Business and Professional Services employment, with growth of only 2.2 percent, half the rate of the top 25 markets. Los Angeles grew at half of OC’s rate, 1.1%, with a rank of #48 on the list. (see Figure 6)

Pro-Tech jobs pay an average of $92,000 annually, well above our county’s average wage of $69,992. So, maintaining and bolstering them is critical to the area’s ability to generate the high wage employment that’s necessary to handle our high costs. (see Figure 7)

In the battle for Pro-Tech jobs, OC retains some strategic advantages. Along with our high education levels, the county’s great advantage lies in the diversity and skills of our people. (see Figure 8) The unique aspect of our economy is the conjunction of tech with the arts, entertainment and design. When we include these fields — what might be called “Life-Tech” — our relative strengths become obvious. Virtually no major region we examined was above the national average in all of these categories.

New York, for example, flourishes in business services, finance, and the arts, but not tech. Los Angeles dominates entertainment and the arts, but is only middling in professional services and barely above average in tech. The Bay Area...
Area leads in tech and remains strong in business services, but its creative core in arts and entertainment share of employment has shrunk. The Bay Area also lacks anything like OC’s vibrant lifestyle fashion scene that includes high-end firms like St. John’s Knits, Oakley, Hurley, Mossimo, and Quicksilver. In some way, each of these companies market the OC lifestyle.  

Other promising specialties include mortgage finance, data and analytics, medical technology, video games, and product design. Creative industry employment in Orange County increased in two of the last three years, with a robust 5.3 percent gain in 2014 to 53,400 in 2014; employment is anticipated to reach 58,100 by 2019. These gains suggest the breadth of OC’s creative industries, led by architecture and interior design, and ranging through fashion, furniture, decorative arts, and performing arts.  

The future of OC Pro-Tech is epitomized by companies which combine technology with media and fashion, such as the game company Blizzard and the action sportswear firm Sole Technologies. “We need to live two lives, a tech one, and one that is balanced living outside,” notes Pierre Senizergues, a Paris-raised former IBM engineer who founded Sole Technologies in 1989. “Orange County has the edge here over anyplace else.”

Much of our research has focused on how regions can achieve a high degree of growth in better paying jobs. Some suggest that this means mimicking the approach of areas like Silicon Valley/San Francisco, the leader in the tech sector, or New York City, which dominates the high end of professional and business services.  

Some advocate the rapid expansion of rail transit, and a denser future that more approximates Manhattan. Others have called for a “Silicon Valley South” that emulates the Venture Capital-led growth of the Bay Area. These well-intentioned assertions tend to underestimate the historical forces that created each of these economic powerhouses and the strategic dominance these places have built.

Simply put, Orange County cannot follow the high-density transit model deployed in New York, a major city when our region consisted largely of ranchos on a remote semi-desert. OC, like its neighbor Los Angeles, has been and will likely remain a multi-polar region. It is a county dependent largely on its road networks, with dispersed business centers that comprise thirty-four cities, each without a dominant downtown. Nor is it likely that the county will ever achieve the kind of global impact that characterizes New York’s high-end finance and business service industries.

On the other hand, OC’s form fits easily into a template seen in other successful economies. The conventional wisdom that dense urbanity will dominate the economic future really applies to only such places like Manhattan, San Francisco and a few ‘legacy’ core cities. If dense urbanity was the key to success, central Los Angeles would be more successful in Pro-Tech than OC. Consultants suggest, for example, that San Diego has
some advantage over OC because it has a more traditional downtown, but most of San Diego’s tech clusters are located in the suburban area to the north.  

Dense cities, with notable exceptions such as Manhattan, San Francisco and Washington DC, generally do not produce the greatest percentage of high wage (over $75,000 annually) jobs. Our research shows that sixteen of the top twenty large counties with the highest percentage of high wage jobs are primarily suburban.  

Similarly, (see Figure 10) all but a handful of the places with the highest percentage of households earning over $200,000 annually are suburban. OC ranks 24th among all of these counties with over a million people, well ahead of all but a few of more urban counties, including Los Angeles. Similarly, the list of the ten wealthiest cities out of over 400 in the country are all suburban, with three OC communities — Newport Beach, Laguna Niguel and Yorba Linda — on the list. 

This suburban pattern is most notable in tech. The bulk of the nation’s tech employment is taking place in dispersed, suburb-dominated environments such as Raleigh, Austin, Charlotte and of course Silicon Valley; San Francisco is the exception. Nor are suburbs necessarily lacking in innovative potential. Urban theorist Richard Florida has found that suburbs generate the bulk of patents, for instance.

IS SILICON VALLEY DUPLICABLE?

Like Manhattan, Silicon Valley has unique roots, and has developed in a matter that is not duplicable. Its ascendency has been growing for a generation, and its lead in tech jobs over both Orange County and the rest of Southern California has expanded. Tech salaries have grown faster than those commanded by any of the large Southern California counties, and are considerably higher. 

The key element here may well be the Valley’s enormous lead over all regions in terms of venture capital. Overall, the Valley and San Francisco together account for a majority of the country’s venture funding. In contrast, OC and even all of Southern California remain a minor blip on the VC investment map, less than 10 percent of the Valley’s share per capita.

According to Pitchbook, which tracks VC investments globally, OC venture deals reached a high of $1.52 billion in 2015 but have trended down since then. In 2017, the total was under $1 billion placed against 158 deals. While this sounds substantial, it represents a per-capita spending of under $300 in a typical year for OC. Contrast that with San Francisco and Silicon Valley’s $5,001 and $3,395 respectively, and it is clear that venture investing is less than a tenth as well-developed here. “There’s not enough VCs, and the ones we have are too small,” notes venture capitalist Rory Moore, founder of Evo-Nexus, based in La Jolla. “To get a jump-start we have enough, but not enough to get us to heaven. The big wealth here doesn’t go into tech, it goes into real estate.”

(see Figure 11)
The impact of venture funding, which attracts capital from around the world, has created a virtually unassailable structural advantage, particularly for large companies. OC, or for that matter, the entire Southland has nothing that remotely compares to Google, Facebook or Apple, three of the world’s most valued companies. Overall, the county is home to only three large tech public companies, compared to more than seven times as many in Silicon Valley, including leaders like Apple and Facebook, not to mention Alphabet, Intel, and Hewlett Packard.

Orange County seems unlikely to create anything like this clustering of tech megafirms. To be sure, the area has a proud history of tech success back to the late 1950s, but the ranks of large, locally run firms — including Western Digital, Broadcom and Ingram Micro — has dissipated, with some headquarter functions moving to Northern California.

“We are losing all our big companies and can’t take advantage,” observes Glen Chishelm, founder and CEO of Newport Beach-based Obsidian Security, a software start up. “When a Broadcom exits, we should have started dozens of new companies. Our people don’t pivot like they do in the valley.”

Of course, many Valley firms and other tech companies invest in OC by locating satellite offices here. But these companies are investing more heavily elsewhere. Apple has over 6,000 people in less-costly Austin, including a hardware engineering division. Apple offers very few opportunities in southern California, but ten times as many in Texas. Rapidly expanding Amazon is hiring at job fairs and facilities largely outside of California. Google has been expanded most robustly in Colorado, Austin and downtown San Jose.

Rather than try to emulate the Silicon Valley model, we should recognize its emerging limitations and take advantage of the Valley’s weaknesses. Former Chapman University president and economist Jim Doti and others have demonstrated that Valley tech growth, in recent months, has slowed dramatically. Much of this has been traced to extremely high housing prices, something that has led 74 percent of Valley millennials to consider a move out of the area in the next five years. Indeed, the Bay Area has seen a considerable drop in domestic migration despite the boom conditions, a sure sign that the region is losing its sustainable appeal despite higher than average incomes. The latest information...
now suggests that area job growth may have even turned negative, including in the critical tech sector. 40

Critically, the concentration of dominant tech firms has begun to choke the once vibrant pipeline of small startups. Gradually, the image of spunky, enlightened entrepreneurs has morphed into one of monopolists reigning over what is rapidly becoming the most consolidated of our major industries. 41 These ‘super platforms’ tend to squash potential competitors. 42 No one really expects competition to rise against venture capital-created firms like Google, which owns upwards of 80 percent of global search. Facebook uses its power to undermine upstarts like Southern California’s big Internet hope, Snap. 43 Even Sergei Brin, a co-founder of Google, recently suggested that startups would be better off launching somewhere else. 44

A PRO-TECH ECONOMIC STRATEGY WITH OC CHARACTERISTICS

Orange County’s future will be determined by companies and individuals deeply rooted in the area and dependent on its unique workforce. These include a vital nexus of very large, focused companies. Some of these, in fields like high-tech manufacturing, medical device creation, and military technology, have had a strong, long-lasting local presence, and provide collective expertise. OC remains powerful in manufacturing, with roughly 150,000 jobs. 45 (see Figure 13)

History is important for an understanding of the county’s growth in these fields. Aerospace was critical during the early evolution of the economy in the 1960s and 1970s. Medical devices, arguably OC’s strongest pro-tech area, also enjoys a storied past. 46 Urban analyst Enrico Moretti suggests that thick labor markets in specialized fields, particularly in high
cost areas, are critical: “For innovation, a company’s success depends on more than just the quality of its workers — it also depends on the surrounding ecosystem.”

Our increasingly diverse population offers another critical source of opportunity. Even as immigration from Mexico slows, Orange County continues to attract a growing number of newcomers and firms from other countries, including the Middle East and Asia. Fully one-third of all OC residents are foreign born, three times the percentage in 1980.

The ecosystem of these immigrant and minority owned firms constitutes a growing part of our economy. The decision of the Chinese real estate giant, Landsea, to locate its US headquarters in Irvine follows earlier decisions by firms such as Hyundai, Mazda and Kia to put their US headquarters here. The Asian connection has also meant a growing takeover of locally owned businesses by cash-rich firms from China, Japan, Taiwan and Singapore. In 2016 alone several large local entities — Ingram Micro, Broadcom, Vizio, Kurion — were purchased by companies based in Asia.

Since the 1980s, locally owned immigrant-driven firms have played a critical role in our high-tech economy and remain critical to our long term success. This follows national trends, where start up rates have been falling in the native born population; immigrants, the Kaufmann Foundation has found, are twice as likely as natives to start a business. Foreign born women also more likely to start an enterprise than their native born counterparts. (see Figure 16)

A case in point is Fountain Valley-based Kingston Technologies. Founded by two Taiwanese immigrants, by
2013 it enjoyed sales of over $5.5 billion, making it the 69th largest privately held firm in the country. Immigrant entrepreneurial skill meshed with a strong, work-related immigrant ethos. “The area benefited from the labor availability, a lot of Vietnamese who had no marketable skills but wanted to work hard... For us, they made the difference, notes company co-founder John Tu.”

Given the pattern of acquisitions, our future economy will have to depend on such homegrown firms. Some may become large, but the clear majority will remain small. These will include those that operate as sole proprietorships. OC’s high wage employment is increasingly found in smaller companies, led by biomedical and computer software firms. Many of the industries that have thrived and have the greatest potential for future growth, like video games and virtual reality, are led by startups such as Newport-based Next VR. These firms often rely on a small core of staff employees and a robust network of local, small or even individual contractors.

Such highly specialized micro-businesses, including in manufacturing, have expanded both nationally and in OC over the past decade. The average size of an OC business has declined for well over a decade. Employment per establishment fell by 8.1 percent during 2003 to 2015, from 17 workers per establishment in 2003 to 15.6 workers per establishment in 2015, notes a California State University Fullerton report. (see Figure 17)

Some of the strongest growth has been in Pro-Tech industries; since 2003, professional and scientific services have grown almost 2 percent, to over 16 percent of all county establishments, while the arts share surged 30 percent. Self-employment has also grown quickly in arts and entertainment, up 13 percent between 2008 and 2013; it now includes more than 2800 firms, with sales approaching $1 billion. OC has a high percentage of households with self-employment income at 15.23 percent, compared to the national average in similarly-sized counties of 10.78 percent. (see Figure 18)
These changes are in part driven by the rising number of people working at home, now the fastest growing commuter trend in the US workforce. Under-the-radar enterprises may well contain the seeds for OC’s revitalization in the years ahead. Some cities, such as Garden Grove, are already promoting ‘cottage industries,’ many of them based inside homes, to fuel economic growth. Other areas, such as Costa Mesa and Irvine, are developing co-share spaces to incubate such fledgling companies. (see Figure 19)

In an economy dependent on high skill industries and entrepreneurship, the key opportunities are rooted in our concept of Life-Tech, a qualitative advantage that can lure talent to the county and retain it. Orange County still has the requisite tech talent base, ranking 14th out of 50 large regions. “The quality of life component is critical — weather, schools, safety, a relative lack of traffic,” suggests Jeff Erle, CEO of Mobility Ware, a game firm that employs 175 people in Irvine. “Those are the best tools we have for the future.”

These positive lifestyle characteristics, long associated with dense cities, are increasingly prevalent in ‘metroburbs’ like OC. These suburban areas provide some urban amenities like walkable retail districts, an arts presence, and varied food choices. They appear increasingly attractive to millennials, some of whom will participate in the growing ‘gig’ economy, contracting out their services.

Rather than creating new company towns, such as those that Facebook and others have tried to develop, OC may instead provide young people and emerging companies with congenial environments. “They still want the look of the latest and greatest company,” notes one architect. “But, ultimately, they want to do their own thing and be their own boss.”

SECTION THREE: OC FOCUS ON THE TALENT IMPERATIVE

To determine Orange County’s fate as a Pro-Tech center, we need to identify our region’s primary assets, and assess how to develop their full potential. In addition to tech talent, OC retains a population of skilled engineers and scientists at a level that is well above most of its major competitors, and not far below that of the San Jose and Seattle areas. (see Figure 20)
“We have a strong scientific community — aerospace, for example — that’s deeply rooted in engineering. This presence is still strong,” suggests Christina McCauley, who works in human resources at Edwards Life Sciences’ 4,500-strong OC operations.

Maintaining and expanding this talent base represents a key imperative for the county, as it would for any economy that requires high levels of compensation and labor productivity. A study by Area Development magazine ranked access to skilled labor as the most important factor in a company’s location decision. It represents a staple for competition in the global marketplace.

OUR PRIMARY ASSET: QUALITY OF LIFE

So how does Orange County compete in this marketplace of skills? Clearly, it does not possess the magnetic appeal of specific industry areas such as finance and media in New York, or large technology firms in the Bay Area. Our strengths are instead diffused, derived from our family-friendly, human-scale, Life-Tech assets such as good schools, ample open space, beaches, convenient transportation, and a plethora of quality small city environments.

“Silicon Valley is not such a great place to live,” notes Obsidian Security’s Glen Chishelm. “My recruiting strategy is to take them to Laguna Beach and keep them there. This is a magnificent place to live.”

Chishelm’s assertion challenges much of the discussion on how to attract skilled workers, which often focuses on the supposed magnetic appeal of dense urban cores. Yet rather than assume what people want, for this report we chose to do something unusual: we asked professionals themselves.

The Center for Demographics and Policy at Chapman University developed a national survey, fielded and tabulated by The Cicero Group, of 1,191 professionals: people aged 25-64 with household incomes greater than $80,000. The participants all work in key Pro-Tech industries: education, healthcare, information technology, finance or other professional services jobs. We asked respondents to rate their satisfaction with factors such as public safety, education, transportation, and environment. The results are graphed in Figure 20.

OVER 25 WITH ADVANCED OR PROFESSIONAL DEGREE:
2015 Orange County and Selected MSAs
which life factors are the most important determinants in where they would want to move, assuming an attractive job opportunity presented itself. While there were some differences between industries, the variances were relatively small, in most cases.

The results turned out to be more focused on family and lifestyle issues, and less so on cultural amenities, as important as they might be. These professionals may not want to live in a cultural wasteland, but they prioritize outdoor activities, a lack of crowding, and an affordable house. The chart below summarizes general factors outside of work that impact relocation decisions. (see Figure 21)

Housing costs, an issue we will return to, is clearly the most important factor. Weather ranks second. Parks and open spaces, access to culture, outdoor recreation and population size are clustered together as the next most important factors.

Looking at other variables we see clearly that many professionals would choose to live in a place that offers a balanced lifestyle. People want an area to be of sufficient size to offer interesting cultural alternatives, nightlife and restaurant options. However, they shy away from crowding, major traffic problems, and long commute times. And they want to be able to relax in what they see as a non-frenetic area with outdoor recreation, parks and open spaces.

Professionals we surveyed are clearly family-oriented. They rank “family-friendliness,” proximity to family and friends, and, most importantly, K-12 educational quality at the top. This is something that distinguishes many OC districts from the generally dismal California norms. (see Figure 22) OC schools, for example, boast the highest graduation rates of any large county in the state, and outpace California test scores, particularly in math, by a wide margin. 75

Turning to work-related criteria, we see that short commute times and good job opportunities for spouses rank as highly important. As with housing costs, the absence of these two criteria are a ‘deal killer.’ Tax levels, a negative for OC and all of California, are also of high importance to professionals, but strong business networks are almost as highly valued. This is truer for people in IT, finance and other professional services areas than it is for education and healthcare professionals.
RANKING ORANGE COUNTY

So, given these criteria and deal killers, how do different metro areas stack up against each other as magnets for talent? We gave professionals a choice of 25 metro areas to choose from. Using census data, we selected areas where the highest concentrations of professional jobs were located in the past decade.

Professionals identify San Diego as the most attractive metro in the country. That may seem counter-intuitive, given the high actual cost of real estate there and the high tax levels in California in general. However, professionals do not appear to perceive San Diego as being among the highest cost places to live nationwide: they view that distinction as falling to San Jose, San Francisco and New York (tied for second). San Diego appears to have done a far better job of marketing itself than OC, and is generally out-performing the region, particularly in STEM jobs. (see Figure 23)

Denver, Charlotte, Seattle, Austin and Raleigh are next in terms of perceived attractiveness overall. OC ranks much higher than its northern neighbor, Los Angeles. Critically, no region stands out as the ‘beauty contest winner’ of regions. The highest scoring metro, San Diego, received a 4.3 out of 7 score in attractiveness, indicating that there is no ‘perfect’ in the minds of professionals. But certain factors are ‘must haves,’ such as affordable housing, job opportunities for spouses, and reasonable commute times.

RATING OF OC AND OTHER METROS Among Resident and Non-Resident Professionals

See Figure 23 for details on the ratings of OC and other metros among resident and non-resident professionals.
OC: FAMILY FRIENDLINESS IS KEY ASSET

Rather than obsess over trendy hipsters, regions seeking to lure professionals need, more than anything, to focus on the basics that shape quality of life for families. These advantages are, to a large extent, more obvious to residents than to outsiders — clearly a reflection of the region’s persistent inability to market itself. Too many people regard OC as little more than a southerly suburb of Los Angeles. The idea that this is an exciting, largely self-contained region tends to get short shrift in the media. Because government census and employment statistics list OC as a subset of the overall LA-Long Beach-Anaheim metropolitan statistical area (MSA), many analysts routinely overlook it as a separate area.

THE GOOD NEWS: AS A PRODUCT, IT IS WIDELY APPRECIATED BY THOSE WHO KNOW IT BEST.

OC’s great appeal, outside of the weather, is its family-friendliness. (see Figure 24) As demographer Wendell Cox has shown, it does particularly well in its percentage of households with related children under 18. In this respect, the county retains what has been lost in other high-cost regions such as New York, San Francisco and Boston. Only 8 of the nation’s 53 metropolitan areas with populations of more than 1,000,000 have a greater percentage of households with related children; (see Figure 25) most of these are fast-growing cities in the Sunbelt and Inter-mountain West.

HOUSEHOLDS WITH RELATED CHILDREN UNDER 18, Orange County and Selected Areas, 2016
OUR BIGGEST CHALLENGE:
HIGH HOUSING COSTS
CHASING AWAY PROFESSIONALS

In the past, Orange County’s great assets were more than enough to attract professionals from around the world. But increasingly, high housing prices have reached levels that well outstrip the ability of many — particularly younger people and minorities — to buy homes.

In our survey, 37 percent of professionals say they would eliminate an area from consideration because of its high housing costs. This clearly impacts OC’s migration, as numerous executives have suggested. “A lot of young people like to go to Silicon Valley, LA, Chicago or New York in their 20s, but when people get into their 30s they look for a place like Orange County,” notes Nick Steelman, COO for Auto Gravity, a fast growing fintech start up based in Irvine. “The big problem is they can’t always afford it.”

This is a national trend. As housing prices have risen and competition between regions has intensified, high cost areas generally are suffering from weak or negative domestic migration. The effects on migration of a rising median multiple — a calculation of affordability determined by the median house price divided by pre-tax annual median household income — can be seen in the graph on migration trends. (see Figure 26)

There is considerable debate about the importance of OC’s high housing prices. Pleasant weather is a major plus in attracting talent and getting it to accept higher prices. OC’s lifestyle may be worth the price, but the impact of high housing prices differs dramatically by generation. OC housing costs are high for everyone, but far less so for those who purchased in the past; those buyers may have experienced a considerable capital gain. For those long established here, the OC housing market is an enormous boon. But the impact of high housing prices results in greater numbers leaving the region and, perhaps more importantly, fewer coming in. (see Figure 27)

This is particularly true for those, often in their mid-30s, entering the market now. The costs of buying a house in OC are considerably higher — twice as high — as such destinations as Seattle or Denver; home prices are also much higher than in economically vibrant markets like Austin, Charlotte, Dallas-Fort Worth, Houston,

HOUSING AFFORDABILITY FOR SELECTED METRO AREAS,
Multiple of Median Household Income Required to Afford Median Priced Home, 2016

Figure 26
And they are increasing annually at a rate well above the rate of consumer inflation. The OC, San Jose, San Francisco, and other high cost places do poorly in the population growth of people between 25 to 54, compared to less expensive, but vibrant areas. (see Figure 28)

Even those younger and middle-aged people who buy here do so at some risk. A survey by the National Association of Homebuilders and Wells Fargo Bank, which used standards of fiscal “reasonability,” calculated that 87 percent of the houses sold in OC were not affordable, compared to 41 percent nationwide. Five years ago, 47 percent were within reach. 79

Orange County’s population is aging more rapidly than that of the nation, or even the rest of coastal California. By far the biggest increase has come in the cohorts over 55, which suggests a large proportion of the population aging in place, but the trends are negative among the young through those in their late 30s. 80 (see Figure 29) This growing preponderance of older residents explains in part why our labor force continues to shrink, even in a time of very low unemployment. 81 By 2040, adults over 65 will account for an estimated 22 percent of our population, twice the percentage in 2000. 82

For older residents and for people coming into the area with capital, OC exercises a very strong appeal. 83 The situation is reversed for younger cohorts. OC households with members under 35 have home ownership rates nearly one-third below the national average. Unless there is some change, we can expect the county to become one of California’s oldest by 2030. (see Figure 30)

One particularly worrisome trend is the declining number of families with children under 18, previously a longtime strength of this region. (see Figure 31) If the trend continues, Orange County employers could face an age-related economic crisis. “This is the business equivalent of a NORC [Naturally Occurring Retirement Community],” maintains Duncan Kane, Human Resources director for Toshiba America. “We have a lot of people working who have been there perhaps a little too long.” 84

LPA, a leading OC-based architecture firm with 220 local employees, has
found a solution to its ‘thirty-something’ problem. The firm, says CEO Dan Hein- 
feld, has opened offices in more affordable Dallas-Fort Worth and San Antonio for 
their employees in that age group. They 
now have 75 employees in the Texas cities, 
soon to be 100. These employees work 
on OC projects remotely, as well as on 
local Texas projects. “We can get people 
right out of school, but it’s almost im-
possible to keep them in their 30s,” he 
explains. “When they want to start a 
family, that’s it.”

This may well be a satisfactory solu-
tion for LPA, but it does not bode well for 
the future of OC’s talent pool.

**PERCENT CHANGE IN HOUSEHOLDS WITH CHILDREN UNDER 18, 2016**

**2040 ESTIMATED HIGHEST RATIO OF OLDER TO YOUNGER PEOPLE IN CALIFORNIA**

**ORANGE COUNTY POPULATION GROWTH BY AGE COHORT, 2010–2015**
SIDEBAR: OUR MOST THREATENED ASSET, YOUNG FAMILIES

To quantify the impact of high housing costs on the next generation of wealth-creators in Orange County, the Center for Demographics and Policy developed a statistical model of their out-migration. Researchers Anthony Lemus and M. Andre Cabrera conducted a correlation study to determine which key variables were driving the 35 to 44-year-old population. The table below summarizes the findings. Two variables, Median Home Price and Debt to Income Ratio, demonstrated strong statistical significance. Very few other factors came close to the impact of these two. (see Figure 32)

Based on the correlation analysis, our research team created a predictive model that projects OC’s age 35 to 44 population through 2024. We predict that this cohort will continue to lose approximately 4,500 people every year if housing prices continue to grow at the current rate. Using a statistical modeling technique called “Monte Carlo Simulation,” the team found that the median home price in the county needs to drop by approximately 20 percent from its current level to stem the tide of out-migration.

...the median home price in the county needs to drop by approximately 20 percent from its current level to stem the tide...

SIMULATION OF OUT-MIGRATION OF 35–44 YEAR OLLDS AS HOUSING PRICES INCREASE
The patterns for millennials — the nation’s largest generation — may be even more troubling. These workers are not as sensitive to housing prices as those who seek to buy a residence, yet they still do not seem to be flocking to Orange County. Instead, their numbers seem to be swelling most in the more suburban and polycentric, lower-cost but economically vital areas in the South and the Inter-mountain West. (see Figure 33)

This is decidedly not a reaction against the suburban lifestyle, as some, even in OC, have asserted. According to the highly respected website fivethirtyeight.com, the Census Bureau has found that considerably more Americans between the ages of 25 and 29 moved from cities to the suburbs than in the reverse direction in 2014. The movement from city to suburb has been considerably greater for millennials than for past generations.

If movement to the suburbs has been slower among people in their mid to late 20s (compared to those in their 30s), it is not by choice; roughly two-thirds, according to a recent Wall Street Journal survey, still plan to move to a suburban environment. This is true even within OC. Since 2000, for example, Irvine has seen a high growth in post-university millennials (those born from 1982 through 2003) aged 20 to 34. It indicates stronger residence growth for the age group than the urban core (downtown) of Los Angeles. (see Figure 34)

Irvine-based companies with compelling opportunities have had little trouble attracting millennials to OC. Frank Pearce, co-founder of Blizzard, for example, was able to attract 65 interns selected from 12,000 applications. “For a region to be successful it still comes down to: Is it a fun place to live and social network for future jobs?” he notes. “This is more important than housing costs for young talent.”

As experience in the tech community suggests, there’s a definite connection between the appeal of the equity-based culture of Silicon Valley and the culture of Orange County, particularly for young people. “There’s a recruiting problem,” suggests Lisa Rhee, Vice President of Human Resources for Vizio, a locally based tech firm. “There’s an idea that everyone who is 26 thinks they have to have an exit strategy.”

Over time, OC’s family friendly environment could prove attractive to many millennials, particularly as they settle down and establish families. Some
1.3 million millennial women gave birth for the first time in 2015, according to recently released data from the National Center for Health Statistics, raising the total number of US women in this generation who have become mothers to more than 16 million.\(^91\)

But right now, OC seems to have trouble retaining these young professionals, as evidenced by the share of UC Irvine graduates who have left the county for other areas. This may reflect not just housing prices, but also lack of good career opportunities. “The problem for us is the labor market,” suggests Ray Chan, Managing Director of K5, based in Irvine. “The top ten percent of UCI computer science students are poached by Google. There’s a huge gap between the best students and the opportunities companies here offer.”\(^82\) (see Figure 35)

And the relative paucity of millennial migration to OC could worsen. The county’s job market, particularly at the high end, has shown signs of stagnation and even decline.\(^93\)

**THE INCREASING IMPORTANCE OF DIVERSITY**

There is a bright spot in migration patterns: arrivals from abroad. Approximately 30 percent of OC’s residents are foreign born, which is 2.2 times the national average and 12 percent above the average for California.\(^94\) (see Figure 36)

The rise of Asian immigration has been particularly marked in OC. This tracks with national trends which show that immigration of Asians has exceeded that of Latin Americans since 2010. Southeast Asians represent the largest share of our foreign-born residents. It
follows a national pattern of Asian immigrants seeking to settle in places that are largely suburban in nature and have good schools. 95 (see Figure 37)

Orange County and some other Southern California suburbs do not represent white enclaves. Rather, they are harbingers of the future outside the urban core. By 2035, the OC population, now 34 percent Hispanic and 19 percent Asian, will be ‘majority minority,’ with these two groups accounting for 60 percent of the population. By that time Irvine, the economic powerhouse of the county, will be a majority Asian and barely 27 percent Anglo. 96

Geographer Ali Modarres notes that the immigrant-rich OC, the San Gabriel Valley, the Inland Empire and their analogues elsewhere now represent “the quintessential urban form” for the twenty-first century. 97

Certainly, the skilled workforce of the future will come from these communities; 74% of UCI’s current enrollment is either Hispanic or Asian. Statewide, more than four in ten STEM workers are immigrants. 98 These two minorities also include a growing percentage of enrollments at the region’s high schools, an overwhelming majority at California State University at Fullerton, and over one-fourth of students at Chapman University. 99 These populations are one way that companies can tap what Blizzard’s Jesse Meshuck calls “global talent pools.”100

The role of minorities in OC’s entrepreneurial scene is already prodigious, and likely to grow. Numerous OC firms that have shaped our diverse economy — AST Research, Vizio, Raj Manufacturing, Kingston Technologies, Sole Technology, Tillys, Yogurtland, El Pollo Loco — were founded by immigrants. One outstanding example is Anaheim-based Northgate Markets, opened by a Mexican immigrant in 1980; it now employs 4,500 in its 41 California markets, with sales approaching one billion. “We came to see Northgate as a door of opportunity for us,” notes Miguel Gonzalez Reynoso, the firm’s co-President. 101

THE CRITICAL IMPORTANCE OF THE NATIVE-BORN POPULATION

Despite immigration from abroad, Orange County increasingly depends on people who were brought up here, mainly because of low migration from other parts of the country and its low birthrate. Overall, mobility in America has been dropping, including in California and here in OC. 102

Since 2000, the percentage of residents who are native to the state has grown by nearly ten percent, to 55 percent. It has dropped, however, in dynamic places such as Charlotte, Dallas-Fort Worth, Denver, Nashville, and Seattle. 103 (see Figure 38)

This suggests the importance of better utilizing our recent high school and college graduates from the area. Im-
Importantly, we need more middle-skilled jobs in medicine, information technology and advanced manufacturing, which represent some 31 percent of the county’s jobs. All these industries report a consistent shortage of skilled workers. James Pinto, a long-time manufacturing and operations consultant commented, “One of the constraints we face when creating expansion plans in Orange County is the lack of experienced, skilled, basic manufacturing people… lathe operators, welders, electricians. Many of those in these jobs are retiring, and we seem to be doing nothing to train the next generation of workers like these.”

Addressing the needs of current residents may not be as alluring as appealing to high-skilled immigrants or the upper tier of educated workers, but it is a necessity for a place that relies, and will continue to rely, on people raised here. People who have family in a place may be better suited to staying around, given the homes owned by their parents, not to mention a stronger attachment to the area’s many great assets.

**GROWTH IN POVERTY**

Economic trends, particularly in California, have not been kind to working class people. Adjusted for cost of living, the state suffers the highest poverty rate in the nation. The official national poverty rate is based on the national standard of living. In 2012, the Census Bureau started issuing a “supplemental poverty measure,” which adjusts poverty rates between states by differences in rents. California had a 15.4 percent official poverty rate in 2015. But when adjusted for rents using the supplemental poverty measure, the poverty rate was a much higher: 20.6 percent. (see Figure 39)

Orange County’s rate is only slightly below this number, and our poverty population has been on the increase for a generation. Michael Ruane, an affordable housing executive, notes that “There are two Orange Counties. What’s striking is the enormous variation. You have poverty in a prosperous region. You have a knowledge economy with high wages, and a tourism economy with low wages.”

The Census Bureau does not calculate supplemental poverty rates, except at the national and state level. But the United Way “real cost measure,” — the costs of living for a family of four — seeks to include both the poor and the near poor. It shows OC with a rate of family instability...
slightly higher than that found in the rest of the state. By their measure, 29 percent of OC households are borderline poor, a number that reaches 40 percent in large swaths of Anaheim and Garden Grove, and over 50 percent in Santa Ana. 109

The county has also experienced increased inequality. From 1990 to 2012, notes real-estate website Trulia, it had the fourth largest widening of the income gap between the 90th and the 10th percentile of wage earners in the nation. San Jose ranked third; Fairfield County, Connecticut second; and San Francisco first. 110

This reflects two factors: an economy that generates not enough mid-wage jobs, and soaring housing costs. The working poor are disproportionately affected by the prohibitive cost of housing. Average OC rent is $1,799 a month, up 2.5 percent from the previous year, and forecast to keep rising. Minimum wage workers make only $1,820 a month, so it’s easy to see that they simply don’t make enough to pay for rent, utilities, food, medical care and other necessities. This forces impossible choices between paying for rent or food, or medical care. 111 (see Figure 40)

The poverty rate among children is especially troubling. According to Feeding America’s 2017 Map the Meal Gap, OC has an astounding gap of 60 million meals missed in 2016 by more than 315,000 people, including 129,000 children. This amounts to one in six children and one in 10 adults who don’t have
enough food to live productive lives. Nearly one in three OC children also live in overcrowded households.

Finally, it is impossible to ignore the impact of homelessness in Orange County. Our homeless population is growing. On one night in January 2015, a point-in-time count tallied 4,452 homeless people in the county. Using that data, experts estimate that approximately 15,300 people are homeless at least one night during the year. These numbers are significantly higher than the numbers recorded in the 2013 census. (see Figure 41)

This phenomenon affects more than just the homeless themselves. More than 400 people live on the grounds of the Santa Ana Civic Center alone, and 62 percent report having lived there for more than a year. There are also many homeless camps along the Santa Ana riverbed, in parks, and elsewhere, creating a de facto small city adjacent to Angels Stadium and close to Disneyland. The encampments have turned some of the area’s great attractions for residents, such as the Santa Ana River Trail, into something more akin to a shanty town in the developing world. Homelessness also threatens the health of our commercial centers, as is already the case in Garden Grove’s Little Seoul.

We must confront poverty, for all our sakes. Addressing poverty represents as great an imperative as retaining and attracting professional talent. Growing poverty fits poorly with an appeal to professional talent, and diverts government attention from wealth creation for all residents to simply addressing the very basic needs of a struggling population. OC homelessness costs some $300 million per year. According to UCI, it would only cost a fraction of that to permanently end it.

SECTION FOUR: A NEW POLICY AGENDA FOR GROWTH, THE URBAN FORM, EDUCATION, INFRASTRUCTURE AND POVERTY

Like much of coastal southern California, Orange County confronts the twin phenomena of rising costs, particularly for housing, and a shortage of high wage jobs. These two factors impact virtually all of the county’s key issues, from attracting and retaining companies to the loss of younger, skilled workers, to the persistence of poverty.

“We have the biggest challenge — the cost of living is too high,” suggests one longtime entrepreneur in OC’s ophthalmological industry. “If I was younger and starting out, I would not be here.” At the same time, Southern California, including OC, continues to tilt overwhelmingly to low-wage employment.

Other high-cost economies — New York, the Bay Area, and Seattle — have done a better job on the employment part of the equation. This allows those places to provide a somewhat better standard of living than the OC, LA, and the rest of the southland region. This is particularly
applicable to new residents who have not had the benefits of owning real estate, and are not enjoying many high-wage opportunities.

**NEEDED:**
**A BUSINESS STRATEGY FOR OC**

The issue is partly due to the nature of Orange County’s business community. In Chicago, New York, Seattle and Silicon Valley, as well as in Austin, Dallas and other relatively low-cost communities, the business community, sometimes aligned with government, unites to drive regional growth. Less expensive areas as well as some more expensive ones have done far better than Southern California in attracting business service jobs. 120

In the 1980s, for example, the Greater Austin Chamber of Commerce along with state and city governments and the University of Texas successfully bid for the first two large computer and semiconductor R&D consortia: MCC (Microelectronics and Computer Technology Corporation) in 1983 and Sematech (Semiconductor Manufacturing Technology) in 1988, something that should have by rights been located in the industry’s dominant center, California. 121 This is widely seen as helping put Austin on its remarkable growth trajectory. 122

Our prime rival, the Bay Area, also benefits from well-honed strategies, led by its world-dominant tech community. Organizations like Joint Venture Silicon Valley serve both as research institutions and as advocates for the local tech community. As one academic study recently suggested, this reflected something of a conscious strategy to nurture information technology. Los Angeles, meanwhile, focused on the fading aerospace sector, and failed to nurture their potentially prodigious technological resources.
Similar conclusions could be reached about OC, where the tech community, although significant, has not been able to shape a commonly accepted agenda. "Is there a business development effort here?" asked Duncan Kane, HR director for Toshiba America. “We don’t see it. I go other places and I see what’s happening. You don’t see that sense of purpose here.”

Even areas that are also plagued with high costs have been able to attract businesses from Southern California, in part by establishing greater credibility as tech areas. How much of this is a result of regional efforts, and how much stems from other business conditions is impossible to quantify, but the impact is clear. One example, Oculus, a prominent Virtual Reality start-up in Irvine, was acquired by Facebook; the company first moved north. Now Facebook is expanding Oculus’ presence, but in the Seattle suburb of Redmond.

A similar dynamic is occurring in our own backyard. San Diego, for example, is home to Connect, an influential group for the tech industry for over thirty years that has helped establish SD as a tech hub with stronger growth than OC or LA. The area also has a well-developed interface between its top educational/research institutions and industry. Connect plays a major role in tracking and nurturing tech development, and also in getting the message of San Diego’s tech vibrancy to the media.

This is something not nearly as developed in OC. “You have to work really hard to create a network here,” laments Anderee Berengian, founder and CEO of Irvine based CIE Digital Labs. “There is no ecosystem. If you are not aggressive, this is a hard place to build a company. Right now, nobody is building that system.”

Similarly, venture capitalist Mark Averrit recalls, “When I got here from Silicon Valley in 2003, I was amazed by the lack of connections for such a small place. There’s no unifying message here.”

These comments were typical of our interviews with business executives, who often described the regional business leadership as highly ‘un-networked,’ with little interface between people from differing business segments. Despite a plethora of regional economic development groups with similar missions, OC does not present a united front, and has failed to shape common perceptions in a bold and accessible manner.

Fortunately, there are early signs that this network deficit may be addressed. Some promising, newly-invigorated players like OCTANE are trying to fill that role, and the University of California Irvine Center For Applied Innovation, aka “The Cove,” has created a platform for linking the ecosystem together. The Irvine Company, in particular, has been...
aggressive in rallying business leaders, trying to shift focus away from a long-standing pattern where most big players made their money in real estate, not in manufacturing or the innovation economy.\textsuperscript{132} “We need a sustaining group,” notes veteran entrepreneur Jim Mazzo. “It has to be an effort built around innovation. All our wealth is from real estate. We need to build a different identity — we can’t just be a lot of rich people living near the beach.” \textsuperscript{133}

Ultimately, OC needs to develop the kinds of public private partnerships that flourish elsewhere. Frank Kim, OC’s CEO, proposes convening a dialogue between local city officials and business leaders to address these issues. The area needs a mechanism to create “more options” for tech workers, notes another executive, so that they are aware of the plethora of local opportunities.

There is clearly a critical role for county and city governments in this effort, particularly in immigration. Government could also prove useful in efforts to streamline permitting— as seen in Anaheim — by helping companies wade through the regulatory morass. Studies have often identified such steps as boosts to businesses.\textsuperscript{134}

These efforts cannot merely serve existing large corporate interests; many smaller, faster-growing companies represent the region’s economic future. The county, as well as local cities, must step up, given a climate which has established California as among the most hostile states to business.\textsuperscript{135} There are intermittent signs that the state could be changing, as evidenced by the efforts to help business with tax breaks, but local leaders will have to work overtime to ameliorate a tough climate.\textsuperscript{136}

The climate is particularly harsh for the small, often immigrant-run businesses that represent the cutting edge of OC’s future. “Incentives don’t work, but the immigrant community is the low hanging fruit for entrepreneurship,” explains Mayor Tom Tait of Anaheim, a majority Latino city with substantial Asian and Middle Eastern communities. “I think everybody has a dream. Unfortunately, they have to come through City Hall, and many of these dreams have tended to get killed.” \textsuperscript{137} As a result, Anaheim has created an expedited permitting and regulatory approval process for entrepreneurs.

\textbf{FROM MASS SUBURBIA TO ‘COOL FINDINGS’}

The OC remains, and will be for the foreseeable future, a highly dispersed, multi-polar region with a predominately suburban form. A concerted attempt to densify it into a more traditional urban form — as advocated by some local experts — could weaken the very appeal of the area.\textsuperscript{138}
Yet there have been certain changes to the urban form that could be useful here, without adopting a high-density style. For both millennials and others, there appears to be a growing desire for more walking districts, for alternatives to the repetitive mall format, and for the preservation or creation of central districts. People are ‘cool finding’ — and this is less about age and more about culture. “They care about neighborhoods and where the value is,” suggests developer Shaheen Sadeghi. “Social value is something that you can’t put on an income statement or balance sheet. But the next generation is looking for the multi-level experience, and the neighborhood community connection.”

The trend is nationwide. Some new development reflects a distinctly ethnic flavor, such as Saigon Food Court, or a tie-in to a local, largely ethnic food culture, as seen at the Fourth Street Market. Others are built around the architectural heritage of the past — for example, the downtowns of Laguna Beach, Orange and Fullerton — and include well-located, unique areas like Orange’s Eichler Tracts and Santa Ana’s Floral Park. Still others, like the new development along Beach Boulevard in Buena Park, Anaheim and Stanton, seek to revitalize old style strip centers into entertainment, hotel and residential districts.

This evolution requires a great deal of local autonomy and support by residents. Contrary to increasing pressures from the state for conformity, communities should be able to choose how they develop. OC residents, like most Americans, might prefer a more ‘big city approach,’ such as Costa Mesa’s quest to be the “cosmopolitan heart” of OC, while others might favor something more village like, and still others, as we see in Mission Viejo, may prefer community gardens for their “agrihood.”

In many parts of the region this shift to local diversity and uniqueness requires the transformation of traditional office, retail and industrial space into new and exciting uses. But there is no single formula. Each of the county’s 34 cities provides a highly localized template for unique development (see sidebar on Garden Grove). “Each city has its own identity, brand, and culture,” suggests Shaheen Sadeghi. “It’s like there’s more cookies in the cookie jar.” In Sadeghi’s company this has meant different, locally-rooted developments in such cities as Costa Mesa, Garden Grove, Laguna Niguel and Anaheim.

Unlike malls, dominated by chain stores, Sadeghi’s LAB (Little American Business) focuses on locally based companies and shops. These new spaces are critical for local entrepreneurs and artists, and could bolster OC’s reputation as a leading venue for live performances — notably, South Coast Repertory, the Segerstrom and the OC Shakespeare Festival — and such educational institutions as the Orange County School of the Arts, a top-ranked rated arts charter school.
SPACES OF THE FUTURE

As Orange County’s economy becomes more focused on Pro-Tech and on smaller firms, it needs to develop new kinds of workspaces to accommodate smaller, and more creatively inclined, businesses. At a recent office furniture trade show in Chicago, this trend was dubbed “resimercial.” 149 Often, this involves providing a “palette of postures,” where workers can choose traditional desks or couches, soft textures, and cozy environments. 150

One example of this effort is the in-process transformation of the aging Laguna Hills Mall, where the vacancy rate hit 34 percent. It is reinventing itself as “Five Lagunas,” a self-described “walkable village.” 151 Scheduled to re-open in 2018, it will feature a one-acre park with a giant outdoor screen, where visitors can attend live music shows and watch sporting events. Restaurants, a fitness center and a 988-unit apartment complex will broaden a space that was once purely focused on conventional retail stores. 152

This mixture of commercial uses can also be seen in the rapid growth of co-working locations across the world, now used by more than a million workers, with projected growth approaching 3.8 million by 2020. 153 The national organization that pioneered this new form of development, WeWork, has found a receptive market in their Irvine location, which has attracted numerous tech, marketing, virtual or augmented reality, advertising, real estate, and software firms, notes Taylor Patterson, Director of Public Affairs at WeWork. This mix loosely represents their target market nationwide. 154 Such locations are increasingly favored not just by the self-employed, but by mainstream firms like GE, KMPG and Merck. 155

Another potential model may be The Press, a large new development in Costa Mesa, built on the former site of the Los Angeles Times printing press. When completed, The Press will feature three acres of outdoor space, a fireplace, basketball court, and other amenities. It is designed to meet the needs of such Pro-Tech industries as fashion, entertainment, and even biomedical startups. 156 “We’re getting smarter about what we need in the workplace,” says the Press’ developer Hoonie Kong. “People want to interact with others. People want to enjoy the outdoors. People want to live, work and play.” 157

Although often associated with traditional urban cores, these kinds of spaces are now more commonplace in the suburban environment. 158 Their quality and their connection to community may be increasingly important in an era of greater self-employment, ‘gig’ work, and weaker corporate affiliations. 159 This trend is particularly marked in the creative professions, which play an increasingly role in the evolving OC economy, and also in engineering-related fields. 160 As Kong suggests, such environments may not appeal to all companies — “people still need their peace and quiet” he notes — but such innovative spaces represent a critical component for the OC’s nurturing of an entrepreneurial, artisan economy that represents its best hope for the future.
TRANSPORTATION, TRANSIT AND FUTURE OF MOBILITY

Transportation is crucial to the modern, high-income metropolitan area world-wide. Economic research indicates that the more jobs a metropolitan area’s employees can reach in a reasonable time, the more likely job creation is to trend favorably. We believe that transportation is one of Orange County’s principal advantages, because of its substantial, relatively well-maintained freeway system. This reflects choices made by OC to use Measure M, enacted by the voters for transportation purposes in 1991, for substantial improvements to arterial and local roadways, which are so important as a ‘safety-valve’ for alternative routing in cases of extreme freeway traffic congestion. Further, funding has been provided to synchronize traffic signals, which also improves capacity. Orange County enjoys travel times of 27.9 minutes one-way to employment, compared to 31.6 minutes in Los Angeles County. This is only 1.3 minutes longer than the national average, which includes both urban and rural areas. OC’s policy success, particularly compared to that of Los Angeles, can be demonstrated by how little average work trip travel times have increased. Between 1990, the year before Measure M became effective, and 2016, the average work trip travel time of OC residents increased from 25.5 minutes to 27.9 minutes. Since the 1990 Census (before the first rail line was opened), LA’s work trip travel time has increased twice as much as that of OC. (see Figure 42)

This matters, because the overwhelming majority of OC workers enjoy access to automobiles. Roughly 88 percent of residents reach work by car, a figure that also applies to some 80 percent of those in poverty. Despite these realities, some suggest a need to develop a large, fixed rail transit system. Although these systems work well in the six largest downtown cores in the older legacy cities — New York, San Francisco, Chicago, Boston, Philadelphia, and Washington DC — they have persistently failed in more spread out, multi-nodal, suburbanized areas such as OC. Consistently, in these areas, conventional transit systems fail to provide the mobility and flexibility of cars.

OC policy makers should in particular weigh the Los Angeles experience. For the most part, LA is far older in its development than OC; in 1950, it was the nation’s third largest county, with more than 4,000,000 residents, while OC had a total population little more than 200,000.

In the 1980s, LA decided to build a massive new train system to reduce traffic congestion. The roughly $16 billion so far invested, however, has failed to transform our sister region into a transit powerhouse or to lessen its dependence on automobiles. In fact, overall bus and rail ridership in 2017 was nearly 20 percent below the peak of bus-only ridership in 1985. The percentage of employees using

CHANGE IN WORK TRAVEL TIME: 1990–2016
Orange County, Los Angeles County and the U.S.
transit to access work declined, from 6.5 percent in 1990 to 6.0 percent in 2016. Meanwhile, solo driving increased more than 30 times the transit increase, while there was an increase of seven employees working at home for each commuter. 168

Our policy makers need to resist the pressure to emulate LA’s transportation policies. OC has used its 0.5 percent sales tax principally to ensure smoother operation of traffic, both on freeways and on arterials. In contrast, LA has used nearly all of its 1.5 percent sales tax on transit.

The implications are profound. LA — denser, older and poorer — has largely failed to increase transit ridership or reduce car use, and there is every reason to believe that transit would do even worse in the OC. Ridership on OCTA has dropped more precipitously than it has in LA, and more than the national average has. The mostly empty, underused $180 million-plus ARTIC transit station in Anaheim, which the OC Weekly branded as “a station to nowhere,” stands as a testament to transit futility.169 (see Figure 43)

Rather than invest in failing systems, OC should embrace new technological solutions that fit better with its existing suburban form. This includes promoting home based work (much of it called ‘telecommuting’), which fits our large self-employed population. This mode of ‘commuting’ is now more prevalent than transit in 43 of the 53 metropolitan areas with more than 1,000,000 population, according to the American Community Survey. 170 Last year telecommuting passed transit commuting in the Los Angeles -Orange metropolitan area. This large increase in working at home also helps reduce greenhouse gases at virtually no public cost and in sharp contrast with the rapidly escalating subsidies for mass transit. 171 (see Figure 44)

The country should also explore investments in new technology-enabled systems that could assist those who cannot afford a car or, for some reason, prefer not to drive. 172 For example, door-to-door transport wherever Uber and Lyft operate. 173 Ride hailing systems are already being used in lieu of underutilized bus systems, often by offering vouchers. Promisingly, OCTA is one of the first transit agencies in the nation to establish such a partnership through a contract with Lyft to provide shared ride hailing services on two routes that were eliminated in San Clemente. 174

OCTA should seek to implement similar strategies wherever the public good can be better served. Further in the future, the autonomous car could make even more revolutionary impacts on both the urban form and transit. 175 This in-

**RIDERSHIP DECLINE: 2014–2017**

Orange and Los Angeles Counties compared to the U.S.

![Figure 43](image)

**JOURNEY TO WORK - TRANSIT & WORK AT HOME**


![Figure 44](image)
novation seems likely to further weaken conventional transit outside the services that feeding legacy cores (central business districts). With the onset of new technologies, notably autonomous cars, according to a recent Bain report, these dispersive trends will not just continue, but accelerate. OC should focus on these technologies that fit with its dispersed, multi-polar, suburban nature.

Housing represents arguably the greatest impediment to Orange County’s future success. But in trying to increase supply, it does not need to follow the old models that are so passionately embraced by planners and some developers. Rather than the ultra-dense future proposed by some, we need to pioneer new models that offer a range of housing options and rich amenities for walking and biking, located close to a powerful economy.

Yet it is unrealistic to expect such development to meet the regional shortage, as long as OC continues to produce both multifamily and single family houses at a rate well below the national average. In addition, costs continue to rise not so much as a response to growing local wealth, but from the massive presence of investors from other countries, notably China. This has been particularly marked in Irvine, where some developments count foreign buyers, many paying in cash, for half or more of all purchases, further raising prices for local residents.

These investments may enrich developers, but they do little to encourage middle income housing. A further complication is the opposition to housing growth by residents in already-settled areas, with resistance supported by open space requirements and traffic concerns. Communities like Sunset Beach and Newport are concerned with developments that might impact their cherished character.

Yet if large scale new development may prove difficult, there are still some promising opportunities to increase the size and diversity of our housing supply. One is to take advantage of redundant retail space engendered by a shift to online shopping.
As many as one-third of US malls are now considered endangered, as retailers either close down entirely or shift online.\textsuperscript{184} Last year, 108.5 million Americans shopped online during Black Friday weekend, compared with 99.1 million who shopped in stores. (see Figure 47) It was the first time more Americans shopped online. Credit Suisse, the financial services firm, predicts 25 percent of US malls operating today could close by 2022. Even before this development, the US was clearly over-retailed, with twice as much retail space per capita as the rest of the world, and six times as much as Europe.\textsuperscript{185}

The degree to which this already applies to OC is disputed within the real estate community; retail vacancies are rising but are still less than half the rate in the rest of the country.\textsuperscript{186} Of course, many of our strongest malls still do well — the Irvine Spectrum, South Coast Plaza and Fashion Island, for example — and new ones like Huntington Beach’s Pacific City may also find a good future in the new environment, providing live entertainment next to new residences and a hotel.\textsuperscript{187}

But some reduction in commercial real estate seems inevitable. In June, retail jobs had dropped year-over-year by nearly one percent, even as the county’s population grew and retail sales rebounded. Numerous large retailers that shut doors nationwide also did so in OC. Overall, new mall-type projects are on the decline, and retrofits are the order of the day.\textsuperscript{188} Shopping areas like Anaheim’s Garden Walk that seem stuck in the past have barely recovered from the recession.\textsuperscript{189}

Besides retail properties, other forms of under performing commercial real estate, including industrial and office space, could provide opportunities for builders to create new kinds of housing for local residents and newcomers.\textsuperscript{190}

Potentially, construction could include some multi-family structures, as well as the kinds of townhouses that are cost-effective and attractive to retirees and first-time buyers.\textsuperscript{191} Such locations have many advantages. Often, they sit on existing transportation corridors, have few immediate local residents, and already have water and power infrastructure. Hopefully, that pre-existing infrastructure can translate into faster...
approval times and lower costs of regulatory compliance.

Housing, notes a recent Census study, is easily the biggest motivation for people who move. The relative paucity of new home building in California and OC has allowed other areas to gain a competitive edge among potential homeowners, particularly for the most sought-after product, the single family home. Remarkably, for a region so tied to the suburban dream, OC has a 57.7 percent rate of owner-occupied housing, well below the national average of 63.9.

What kind of housing do we need to develop? Roughly 80 percent of millennials express interest in acquiring their own homes; as they enter their 30s, they want to purchase a single family or townhouse-like dwelling. A Fannie Mae survey of people under 40 found that nearly 80 percent of renters thought owning made more financial sense, a sentiment shared by an even larger percentage of owners. They cited asset appreciation, control over the living environment, and a hedge against rent increases. Homeownership continues to be an important part of the American dream for millennials in California and elsewhere, tying for first place with “having a fulfilling job.”

OC also needs to develop housing for teachers and early responders, whose skills are critical but whose pay is often too low to afford a median priced house. An average-salary California school teacher can afford only 17 percent of the houses in the state; in OC it is 9 percent. For first responders — firefighters, nurses and police — the percentage is now 11 percent. For most, high density housing will not meet most of their needs.

SIDEBAR: TURNING AROUND GARBAGE GROVE

Garden Grove is on the cutting edge of what urban writer Johnny Sanphillipo calls an “incremental urbanism” that works in conjunction with the city DNA and the built environment. The city grew, like many in northern Orange County, in the heyday of the mass production suburb. In that paradigm, the local Main Street struggled against the rise of large shopping malls. Many, notes Mayor Steve Jones, labeled it “Garbage Grove.”

Jones, a native of the town, feels that much of Garden Grove has been perceived as “very sterile,” and reflective of a value system that is shallow, materialistic and self-absorbed. Now, that is changing. The city’s population, once overwhelming white, is now predominately Asian and Latino. The city’s Latino, Korean, and Vietnamese communities have all developed their own districts, enhancing economic potential.

At the same time, the interest of millennials and young families has helped revive downtown and revitalize its Amphitheater as a place that could serve as the intersection of all these cultures. Local artists, including Todd Merenovich, have contributed to shifting the city’s identity towards a more diverse paradigm.

Shaheen Sadeghi’s development of what he calls The Cottage Industries, located in an older, now-restoring downtown neighborhood, could deliver new entertainment and cultural options for both millennials and families. Another development, the Steelhead food court, is coming to town soon, bringing in new food options. In the process, Garden Grove could be ditching its unenviable status as an aging 1960s-era “Garbage Grove” and become an exemplar of the emerging, interesting, part of the archipelago that is the new OC.
And, to retain and nurture the critical Pro-Tech workforce, we will need to find ways to create housing that appeals to the upwardly-mobile, including those who come from abroad. Neither multi-family housing nor $350,000 ‘tiny homes’ will fill the needs of a county that relies on middle class families for its base workforce.

In the past, far-seeing home developers like William Lyons or Donald Bren met the challenge of an exploding population. Today, the real estate community faces a similar challenge from millennials, even though the growth rate is lower. The demographic pressures may be smaller, but the economic and regulatory challenges are much greater. Where can we find tomorrow’s Lyons or Brens?

THE FATE OF THE OC’S WORKING CLASS

The challenges that face Orange County’s working class should be at the top of local concerns. Over the last two decades OC’s poverty rate has climbed. Today, nine of its fastest growing categories of jobs pay below $40,000 per year, while the annual salary needed to afford a 1-bedroom apartment in Orange County stands at around $53,000 per year. (see Figure 48)

Large sections of OC— notably in Fullerton, Santa Ana and Anaheim — now resemble the more hardscrabble sections of Los Angeles and other large cities. As in LA, rents in these areas have risen steadily, forcing many families to live in overcrowded homes. Santa Ana contains the fourth and eighth most overcrowded ZIP codes in the nation. The overcrowding issue is far greater in Orange County than most of our key competitors. (see Figure 49)

At its most extreme, the housing crisis produces the awful consequence of homelessness, which impacts not just those with mental and substance abuse issues, but working-class families. This phenomenon is most pronounced in regions, including OC, where the rise in rents versus incomes is most profound.

Right now, the county’s new housing construction is overwhelmingly oriented towards high-income consumers, producing expensive units that do little or nothing to bring down costs.
Conventional solutions proposed by government may not be as successful as innovative approaches developed by non-profits. Church related groups such as City Net may be best suited to addressing these issues, as they are now trying to do in Anaheim. New programs by Housing First have worked to stabilize the chronically homeless. This approach has already been implemented in Utah, which has seen a 90 per cent reduction of homelessness over the past decade.

Fortunately, some solutions can be seen— for example, successful projects in both Yorba Linda and Buena Park have benefited from tax credits, and from being located in job rich areas with employment possibilities.

New technologies, including the use of digital tools, could reduce costs, following OC’s well-established record as a real estate innovator. Traditional public housing programs do not meet the need. The City of Anaheim alone has 15,000 to 20,000 people currently on the waitlist for affordable housing. However, the city only has about 6,000 vouchers for Section 8 housing — federal rental assistance to landlords — available.

Orange County Neighbor Works, which advises and helps arrange financing for working class purchasers, has made progress. But, notes Karla del Rio Lopez, Vice President of Strategic Partnerships at NeighborWorks, the recent surge in housing prices has made things far more difficult. “Now,” she notes, “we see very few low or moderate-income Latinos closing on home purchases.” Part of the problem, del Rio Lopez suggests, stems from the erosion of OC middle-skilled jobs.

THE EDUCATION IMPERATIVE

Orange County’s future also depends on its ability to train, and retain, skilled workers. This is critical both in areas with high educational attainment like Irvine, and those with low levels, like Santa Ana. As economist and former Chapman University president Jim Doti has noted, much of what we focus on in
alleviating inequality is “directed at the symptoms of inequality, such as welfare, homelessness and crime.”

A better approach, he suggests, would be to improve low-performing schools in poor areas. Education appears to be the best bulwark against poverty; some 26 percent of high school dropouts in the county live in poverty, compared to barely 7 percent who attended college. Education and skills are also now a central, even primary concern for employers. Throughout the past two decades, education and skill levels have emerged as leading factors in determining locational decisions.

Compared to its neighboring counties, OC is well-positioned to take advantage of these trends. The county’s overall graduation rates and test scores surpass overall state levels, as well as those of Los Angeles, the Inland Empire and, by a smaller margin, San Diego. Critically, traditionally challenged districts like Santa Ana are showing signs of improvement.

Much of our emphasis in education must be on low income communities. And, over time, OC’s decreasing school age population will present a major challenge to local employers. This challenge is likely to increase. Between 2010 and 2060, OC’s school age population is projected to drop by 9 percent, the largest decline among California’s large regions. The college population is also expected to fall 13 percent, the second biggest drop behind LA.

In a county with a shrinking pool of school graduates this diminishing resource cannot be allowed to go to waste, particularly given the projected labor shortages nationwide. Given the large proportion of students from poor backgrounds — now 27 percent, above the state average — the OC needs to focus on skills that can lead to higher earning outcomes. Basic industries, still a major source of mid-skilled jobs, increasingly require high levels of skills.

Local job training and skills-based education has been one way that some historically backward regions in the south have been able to compete for new industrial investments over the last two decades. Our challenged but still vibrant industrial companies face a potential skill shortage.

As many as 30 percent of all new, high wage jobs in the state will require practical education. Many skilled jobs pay considerably better than those which require a four-year education, according to The Georgetown University Center on Education and the US department of education. These are the jobs we need to emphasize.

In addition to K-12 education, educators cite the importance of the two year and community college network to create the next generation of STEM-related middle-skill jobs. OC organizations are also promoting STEM education through volunteer programs. Ocean Institute, based in Dana Point Harbor, has helped educate elementary and high school students.
“The plan of a university, like that of a city, should be a mechanism for enabling things to happen, for the enhancement of life.”

students on oceanography for 40 years. Annually, 125,000 students go through their programs, which are being broadened to include university researchers in the field.

Some believe that automation and the rise of artificial intelligence will eliminate many of these jobs, but other experts expect that new employment opportunities, including in production industries, will emerge. Automation and digitalization certainly will destroy some jobs, but also create others in hospitals, factories, warehouses and elsewhere. History suggests that technological change more often redefines work than eliminates it.230

At the same time, digitization creates some enormous new opportunities for highly skilled workers. Shortages in the tech sector are often severe, particularly for specialized knowledge in expanding fields like cyber security.231 The role of our leading educational institutions — UC Irvine, Cal State Fullerton, Chapman University — as well as our network of community colleges is critical. Fortunately, OC has a growing number of engineering graduates, led by UCI but also including growing engineering programs at Cal State Fullerton and a new school at Chapman.232 The fact that UCI graduates many students from working class backgrounds — its Latino enrollment has doubled in a decade — is a great indicator for the future of the county.233

Ultimately, our schools, and particularly our Universities, need to see their role not merely as the education of young people, but as the nurturers of the regional economy. Universities need to see their futures as tied to their regions; the rise of tech industries in places like Boston, the Oxford-Cambridge complex in the United Kingdom, and of course Stanford/Silicon Valley demonstrate how universities now play a central role in regional economies and are, at the same time, enriched by them.

As the late Sir Peter Shepheard wrote in a report on Urban Regeneration, published by University College London’s Urban Laboratory: “The plan of a university, like that of a city, should be a mechanism for enabling things to happen, for the enhancement of life.”234 These words should be closely considered by everyone in education from the top echelons to the grade schools and embraced by the county’s business and political leadership.

SECTION FIVE: MARKETING THE DREAM

Orange County faces key challenges to its wealth-creating population due to escalating housing costs, sparse new high wage employment, an aging population, an under-leveraged business community, and growing levels of inequality, poverty and homelessness.235

Despite this, there remains a strong “why should we worry?” constituency, who point to our still strong, if stagnant, high-end employment base, surging low-wage tourism employment, and rising property prices as indicators that the county is doing well.236 Yet this largely real estate-centered notion fails to address mounting threats to its homeowners in affluent areas, for example, legislative moves to limit Chinese overseas investment or the new tax bill.237 Similarly, while the growth of jobs may parallel the gains of the 1980s, the components of that growth in terms of wages have changed.238

For all the region’s manifest blessings,
large firms continue to leave, and the demographic picture could well become ever more challenging. “Between taxes, wages and labor laws, big corporations are not coming here and not likely to do so,” suggests Scott McGregor, former CEO of Broadcom. As to the movement of firms to the even more expensive Silicon Valley, he says, “The Bay Area is an anomaly with prohibitive costs and traffic, due to its venture capital and entrepreneurship. We are not in the same boat.”

As a county, we stand between a handful of high-end locations, which attract small headquarters operations to places like New York, Chicago and San Francisco, and a growing number of more affordable locations, largely in smaller cities and the sunbelt, such as Phoenix, Las Vegas and Dallas. In neither case is the OC on the winning side of the equation; our future instead lies with small, locally rooted firms which may grow here, rather than relocations.

An economy increasingly dependent on culture, technology and lifestyle, Orange County needs to enhance its standing as a place that can attract high skilled labor.

THE CRITICAL ROLE OF MARKETING IN MODERN ECONOMIES

“In the end, cities are competing globally for population, students, cultural events, corporations, ventures and live entertainment,” notes Brookings’ fellow Greg Clark. Geographies, whether of cities, counties or regions, should not look at this as predominately a matter of advertising. Instead, he suggests, it involves “leaders bringing together different representatives of the city. The main steps would be to benchmark the city’s identity against other places with comparable assets; recruit citizens and city institutions to build an alliance; align existing events and marketing with an agreed-upon common story; train citizens and civic leaders to be champions of that story; and review progress annually to develop additional approaches.”

As Clark’s statement implies, to remain competitive in the labor and capital markets the county and its business leadership need to develop a strategic framework that enlists both business professionals and their employers. This will require an economic plan, regulatory changes, public/private cooperation, and a compelling brand narrative that positions the OC as one the best places in the world for professionals.

Regions thrive in large part by perceptions. Even in tough times, places like New York, Chicago, Los Angeles and San Francisco have remained iconic, their images and lifestyles projected through media that is concentrated in these cities. A delightful story well told may not guarantee prosperity, but it does place a region in front of potential newcomers, entrepreneurs, and companies seeking new locations. People and organizations increasingly seek to align themselves with products that reflect their views of their own identities, and seek out a compelling story that satisfies this desire.

But the best marketing and media manages to help regions accomplish Socrates’ maxim of endeavoring “to be what they desire to appear,” while painting a picture of the future people want to create. As one urban marketer put it: “It’s a very scary thing for a city to put a stake
in the ground. It takes real vision. You have to see past election cycles and those people that you alienate.”

The predominance of social media places a greater need for companies and regions to tell their stories in the intense battle for talent, capital and entrepreneurs. Many amenities can now be accessed from anywhere, wearing away some of the traditional advantages of place. The key is being able to persuade people about the virtues of your location.

TAKING GROWTH FOR GRANTED

For nearly half a century, Orange County has had little need to tell its story. The beaches, the climate, and the leisure lifestyle all called out to people, particularly those seeking a location in Southern California without the congestion, poor schools and crime associated with Los Angeles. We won largely by default.

That period of ‘easy wins’ is now decisively coming to an end. OC’s lack of story-telling and inability to project a positive image is among the threats to our long-term prosperity. Other regions — from neighboring San Diego to Silicon Valley, Austin, Raleigh, and New York— have successfully projected an image of success, achieving widespread recognition as tech hubs, cultural centers or simply wonderful places to live.

This approach has also been adopted globally. For example, in the recent campaign to attract tourists, residents, and companies to Barcelona, the City Council developed a storytelling framework and social media strategy that boosted its online social reach 1400% in one year, and created digital “evangelists” for the city. Amsterdam, after developing a coherent strategy and campaign to attract tourists and investors to an old metropolis, has risen to eighth on the Global Power City Index.

WHAT OUR COMPETITORS GET… AND WE DON’T

You don’t have to travel far to see an effective marketing campaign, designed largely to attract skilled workers and the companies that employ them. San Diego: Life. Changing, an initiative to attract and retain talent to strengthen San Diego’s position as an economic hotspot, is funded by the area’s leading companies. This effort has created a series of recruitment tools for use by companies, including video footage and quality of life facts.

The San Diego Region is also calling on its citizens to tell their stories to make this campaign a success. Rather than solely relying on facts and figures, the region is using real people to show why San Diego is like no other place. They have developed YouTube programs like “Happiness is calling families to San Diego,” that received a remarkable 2.5 million views. In addition, the San Diego Regional Economic Development Council has a great website. There isn’t a strong analogue to this in OC.

Some may argue that this effort pales
compared to the media commanded by OC attractions like Disneyland or Knott’s Berry Farm. But the San Diego campaigns are not about one venue – they are about the whole region. Disney, a critically important player in Orange County, is marketed as a global draw, not a regional attraction.

In addition, the San Diego campaign targets not just a broad range of consumers, but, specifically, the young adult generations: hipsters, college students, and young families. The presentation is peppered with indie music and portrays the place as perfect for families, dates, nightlife, and gatherings with friends.251 (see Figure 53)

Even though there are remarkable similarities in the two neighboring regions, OC has made no such strong marketing effort. The results of a search for marketing videos promoting the county is unimpressive, with the exception being the ones developed by Blizzard.252

These were created, notes company HR director Jesse Meshuck, precisely because there were not any usable marketing materials for attracting potential employees to the county. “The selling point of OC is it’s a great family environment and better place to be,” he suggests. “The problem is OC does not tell the story well.”253

A review of media showed how right Meshuck is. One local twitter feed to promote the region has not had a post for a year. A site from the county highlights some events with outdated visuals and a clunky user interphase. It does little to showcase the cultural diversity and innovative culture of the region.255 “What we need to focus on instead is what people create in this culture,” notes Sole Technologies’ Pierre Senizergues. “We have the creative people. We just need to incubate it and share that with the world.”256

Places like Disneyland and companies such as Blizzard cannot pick up the slack; telling a company story and that of a place are two different things. Even LA, certainly a household name worldwide, has produced a high quality professional video: “Discover Los Angeles” has attracted over 200,000 views.257 (see Figure 54)

One clear danger of not telling your own story is that others, with different motivations, will tell it for you. Our survey found that few people outside the region distinguished between OC and LA. To many, notes Garden Grove Mayor Steve Jones, the image of OC is the one portrayed in Housewives of Orange County: “self- absorbed, materialistic and
shallow." The globally recognized TV show *The OC* has not done much to help either, explains OC music pioneer Jon Reiser. "While it highlighted some of the great features of OC, it also created an artificial perception in the eyes of so many. Now the cool people from OC are moving to other places."

Even worse, to an Online query of "What is orange county like?”, among the first Google entries has been a 2012 OC Weekly article titled, “Why Orange County is the Worst Effing Place in America.”258 The story proclaims, "Fact is, we suck big time... We've covered the good and bad of our corner of Hell for nearly 17 years, and about the only reason I can give why we're still around and haven't left screaming for civilization is because we suffer from Stockholm syndrome.” (see Figure 55)

**WHAT IS OUR STORY AND OUR BRAND?**

There are many Orange County organizations and initiatives for workforce and economic development, but no one leadership body or clear strategy. The communications from these groups lack engaging content, are poorly organized, and are visually outdated. There is no core message being communicated from the county. There is a need to develop a clear position and a story that aligns various OC groups, and the ways to convey it across key media channels.

Effective positioning can be executed via programs and policies that double down on the region’s strengths and rally stakeholders around common sentiments. New websites, logos, Online content, social media, and county-wide events can generate external awareness and internal engagement. The real need is to cut through the media noise being created by other regions, organizations, and institutions.

Rather than develop a laundry list of amenities that make Orange County a wonderful place to ‘live, work, and play,’ we should integrate our assets into a marketing plan that will shape favorable perceptions of the region.

To do this, OC leadership must first develop a comprehensive compilation of the region’s current brand identity – the set of cultural, economic, and civic associations that together make up its unique DNA. These characteristics must be integrated into an underlying messaging strategy.

Differentiation from nearby areas is key. As much as we benefit from our location near LA, any messaging that is broadly Southern California-oriented will tend to benefit our larger neighbor, home to many of the region’s most prominent
newspapers, radio stations and television stations. Our neighbor also happens to be the global center of the entertainment industry, and the primary focus for virtually all national and international coverage of the region. 259

In this environment we cannot afford to sell ourselves as “plain vanilla”. As the group CEO for Cities has pointed out, people, particularly younger people, are not necessarily attracted to “homogenized environments.” They are looking for a place that has a “unique identity.” Fortunately, OC has unique, and, in some cases, unrivaled, assets. 260

CONCLUSION:
OC’S NECESSARY FOURTH TRANSITION

This report was not written to make people comfortable. Life in OC, particularly for the affluent, can seem so good that there is natural tendency to downplay challenges. Yet, as we have shown, OC faces some intense competition, many times from areas that may not have our gifts, but offer lower costs or a more compelling story.

We need to prepare for a fourth major transition in the area’s evolution. The first was its transition from a rural area in the early twentieth century to a ‘bedroom community’ of Los Angeles in the 1950s. This was followed by a second shift, a rapid evolution into a post-suburban economic powerhouse, fueled largely by Edwards Life Sciences
defense spending in the 1970s and 1980s, with an economy larger than half of the American states. \(^{261}\)

In this period, many large companies moved their operations to the area, and many other fledgling firms became quite large. Then, we entered a third transition, in which we have seen many of our larger firms being bought up and their headquarters assets moved elsewhere.

Now, we are ready for a fourth transition into a new era; a metamorphosis into a more diverse, entrepreneur-driven economy, powered by smaller businesses largely in Pro-Tech, and by people who come or remain here primarily for its quality of life. It is this juxtaposition of our natural and our economic environments that represents what entrepreneur and author Charles D. Martin has called “the durable engine that will continue to propel the county forward.” \(^{262}\)

“The balance sheet of this place is ridiculous compared to anywhere else,” suggests Mobility Ware’s Jeff Erle. “We just don’t take advantage of it.” \(^{263}\)

Stronger marketing and creating a stronger business voice will not be enough to make this new transition successful. Major continuing improvements in transportation, education and regulation remain critical. California state policy will likely inhibit some of these initiatives, as the state seeks to force family-friendly suburban areas to become denser and transit dependent. \(^{264}\)

To adopt this approach and diminish our largely low and moderate density environment could squander many of the advantages we offer to upwardly mobile families. Our county and local governments need to be vigilant in protecting OC for innovation to thrive, and innovative in addressing major environmental and social challenges through public-private partnerships.

Because it is a region with no defin-
able center and an array of cities with often sharply different characters, to succeed in this transition OC needs to pull in all its communities and their leaders. It is not enough to nurture growth and opportunity in just a few favored bastions, such as Irvine and Newport Beach. “We could not get our employees to go to Santa Ana and Anaheim,” one tech CEO confessed to us. Too many areas in the county are being left behind, even if they may offer lower costs and more affordable housing for employees.

Orange County cannot reach its potential if only a few places thrive. Ultimately, unless addressed, a growing number of impoverished neighborhoods will impinge on the better positioned ones, creating conditions like gangs or homeless encampments which present safety and health problems, as well as a negative image of the entire county. 266

As we collected data and opinions for this research, we heard from hundreds of Orange County residents, each of whom had their own vision of what the county should do to assure its future. Some of the ideas were highly impractical; others were quite achievable. Seven implementable, core strategies emerged as being important to almost everyone. The chart below depicts those strategies as an interconnected set of activities serving a common value proposition.

(see Figure 56)

This is a broad vision, one which plays to the inherent appeal of Orange County and sees its people as its greatest asset. This includes both those who live here now and those who might, if inspired, come here and contribute to our prosperity. Rather than mourn the passing of an old chapter, it is time to renew Orange County’s promise for all its residents.

“The balance sheet of this place is ridiculous compared to anywhere else,… We just don’t take advantage of it.”


5. “OC Community Indicators 2016,” Orange County Community Indicators Project, p. 4-5; “Sustainable Growth: Will the Expansion Continue?”


21. Kevin Kane, “In Los Angeles, the geography of where people work has been experiencing rapid change,” United States Politics and Policy, February 22, 2017, http://eprints.lse.ac.uk/69718/1/blogs.lse.ac.uk-In%20Los%20Angeles%20the%20geography%20of%20where%20people%20work%20has%20been%20experiencing%20rapid%20change.pdf.


29. Interview with authors.


32. Interview with authors.


46. Orange County, Inc., p.9, 31-33.


54. Orange County, Inc., p. 115-118.

55. Interview with authors.


60. “Sustainable Growth: Will the Expansion Continue?”

61. Ibid.


67. Interview with authors.


70. Silicon Valley is not itself a statistically defined area. It has various geographical definitions, virtually all limited to the part or all of the San Francisco Bay area. Statistical comparisons in this report refer to the area most often associated with the Silicon Valley, the San Jose metropolitan area (Santa Clara and San Benito counties, which includes such well known technology centers as San Jose, Santa Clara, Sunnyvale, Mountain View and Palo Alto, the site of Stanford University).


74. Interview with authors.

76. “Regional Data,” Bureau of Economic Analysis, https://www.bea.gov/itable/iTable.cfm?ReqID=70&-
step=1#reqid=70&step=29&isuri=1&7022=101&7023=8&7024=non-industry&7001=8101&7090=70.


78. The Los Angeles metropolitan area (which includes Orange County) was rated "severely unaffordable, with a median multiple of 9.3 in 2016. This is the 8th least affordable major housing market out of 92 in 9 nations that were rated in the 13th Annual Demographia International Housing Affordability Survey.


80. “2015 Orange County Workforce Housing Scorecard,” Orange County Business Council, https://www.ocbc.org/wp-con-

churn-additing-11100-jobs-in-february/.


83. Derek Miller, “Cities Where the Retiree Homeownership Rate Is Rising the Fastest,” Smart Asset, March 3, 2017,

84. Interview with authors.

85. Interview with authors.


gight.com/datalab/think-millennials-prefer-the-city-think-again/; See: https://www2.census.gov/programs-surveys/
demo/tables/geographic-mobility/2017/cps2017/tab14-3.xls. This data likely understates the extent to which the cohort is leaving core cities for the suburbs. “Principal cities,” which have replaced “central cities” in Office of Management and Budget determined metropolitan definitions. Municipalities such as Irvine and Tustin are designated as principal cities because of their large employment bases and do not achieve the high residential densities commonly associated with core municipalities.

89. Interviews with authors.

90. Interview with authors.


92. Interview with authors.

93. “Sustainable Growth: Will the Expansion Continue?”

94. Estimated by the number of foreign born residents entering the US between from 2010 to 2016.


100. Interview with authors.


105. Interview with authors.


112. “No one should go hungry in Orange County.”


119. Interview with authors.


124. Interview with authors.


129. Interview with authors.
130. Interview with authors.


133. Interview with authors.


138. 2015 Orange County Workforce Housing Scorecard, Orange County Business Council.


140. Interview with authors and researcher Charlie Stephens.


154. Interview with Taylor Patterson (Director of Public Affairs at WeWork) by Charlie Stephens; Sandy Mazza, “LA’s coastal co-working culture is swapping out the corner suite for the cozy community lounge,” The Orange County Register, November 13, 2017, http://www.ocregister.com/2017/11/03/la-coastal-co-working-culture-is-swapping-out-the-corner-suite-for-the-cozy-community-lounge/.


157. Interview with researcher Charlie Stephens.


161. The journey-to-work is obviously important for economic reasons. But on a more basic level, journey-to-work times are an important measure of mobility, because the peak period travel demand, and traffic congestion that occurs is largely the result of the higher concentration of work trips during these periods. Thus, if people are getting to work more quickly, it is likely that other passenger and freight trips are faster as well; Wendell Cox, “Traffic Congestion, Time, Money & Productivity,” New Geography, September 18, 2009, http://www.newgeography.com/content/001044-traffic-congestion-time-money-productivity.


164. From 2016 American Community Survey.


171. Ibid.


181. Ibid.


194. US Census.


200. “Even with Irvine’s diverse mix of culture, some residents feel they don’t ‘fit’.”


205. Chris Haire, “Developer’s next big project set to revitalize downtown Garden Grove, but some will be displaced,” The Orange County Register, May 11, 2016, http://www.ocregister.com/2016/05/11/developers-next-big-project-set-to-revitalize-downtown-garden-grove-but-some-will-be-displaced/.

206. “Orange County Workforce Indicators Report 2016 and 2017.”


208. “Orange County’s Investor Appeal.”


211. “Orange County Community Indicators Report 2017.”

212. Joseph Pimentel, “Anaheim resident has been lobbying her own solution for homeless housing,” The Orange County Register, November 1, 2017, http://www.ocregister.com/2017/11/01/anaheim-resident-has-been-lobbying-her-own-solution-for-homeless-housing/.


218. From conversations discussing this report with:
Mishal Montgomery, Chief of Staff to Mayor Tait of Anaheim
David Belmer, City of Anaheim Planning Director
Gustavo Gonzalez, Senior Planner with Anaheim Planning Department
Grace Stepter, Housing Services Manager in Community and Economic Development
Andy Nogal, Housing Development in Community and Economic Development Depart.


220. “10 years of change: What new census says about 20 Southern California cities.”


222. “Orange County Community Indicators Report 2017.”


226. “Orange County Workforce Indicators Report 2016 and 2017.”


239. Interview with authors.


253. Interview with authors.

254. LocationOC.com, https://twitter.com/LocationOC.


256. Interview with authors.


262. Ibid, p.16.

263. Interview with authors.


265. Interview with authors.

Design Notes

THE ORANGE COUNTY FOCUS: Forging Our Common Future and the graphics utilize the following:

To achieve visual harmony a modified version of the grid Jan Tschichold conceived for his book *Typographie* was employed.

MINION PRO Chapman’s serif family, is a digital typeface designed by Robert Slimbach in 1990 for Adobe Systems. The name comes from the traditional naming system for type sizes, in which minion is between nonpareil and brevier. It is inspired by late Renaissance-era type.

**FUTURA** is Chapman’s geometric sans-serif family designed by Paul Renner and released in 1927. Despite its clean geometric appearance, some of Futura’s design choices recalled classic serif typefaces. Unlike many sans-serif designs intended for display purposes, Futura has quite a low x-height, reducing its stridency and increasing its suitability for body text. Futura has an appearance of efficiency and forwardness. Source: Wikipedia

Front and back cover: photo by Ethan Stupp

Inside front & back cover: photo by Ethan Stupp

All interior photos unless otherwise noted by Ethan Stupp

Photo Page 33 & 35: www.123RF.com

Book exterior and interior design by Chapman University professor Eric Chimenti. His work has won a Gold Advertising Award, been selected for inclusion into *LogoLounge: Master Library, Volume 2* and *LogoLounge Book 9*, and been featured on visual.ly, the world’s largest community of infographics and data visualization. He has 27 years of experience in the communication design industry. To view a client list and see additional samples please visit www.behance.net/ericchimenti.

Professor Chimenti is also the founder and head of Chapman’s Ideation Lab that supports undergraduate and faculty research by providing creative visualization and presentation support from appropriately qualified Chapman University undergraduate students. Services include creative writing, video, photography, data visualization, and all aspects of design. The students specialize in the design and presentation of complex communication problems.
Much of this report is built around the assumption that Orange County will retain its allure for those who have the means and opportunity to live here. Few locations possess its combination of cultural and natural assets, talent, and innovative spirit. …

… Because it is a region with no definable center and an array of cities with often sharply different characters, to succeed … OC needs to pull in all its communities and their leaders.