



HOUSTON, TEXAS
MARKET OVERVIEW

HFF®

Forward-Looking Statements

Certain statements in this presentation are “forward-looking statements” within the meaning of the federal securities laws. Statements about our beliefs and expectations and statements containing the words “may,” “could,” “would,” “should,” “believe,” “expect,” “anticipate,” “plan,” “estimate,” “target,” “project,” “intend” and similar expressions constitute forward-looking statements. These forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause results and performance in future periods to be materially different from any future results or performance suggested in forward-looking statements in this presentation. Investors, potential investors and other readers are urged to consider these factors carefully in evaluating the forward-looking statements and are cautioned not to place undue reliance on such forward-looking statements. Any forward-looking statements speak only as of the date of this presentation and, except to the extent required by applicable securities laws, HFF (the Company) expressly disclaims any obligation to update or revise any of them to reflect actual results, any changes in expectations or any change in events. If the Company does update one or more forward-looking statements, no inference should be drawn that it will make additional updates with respect to those or other forward-looking statements.

Industry and Market Data

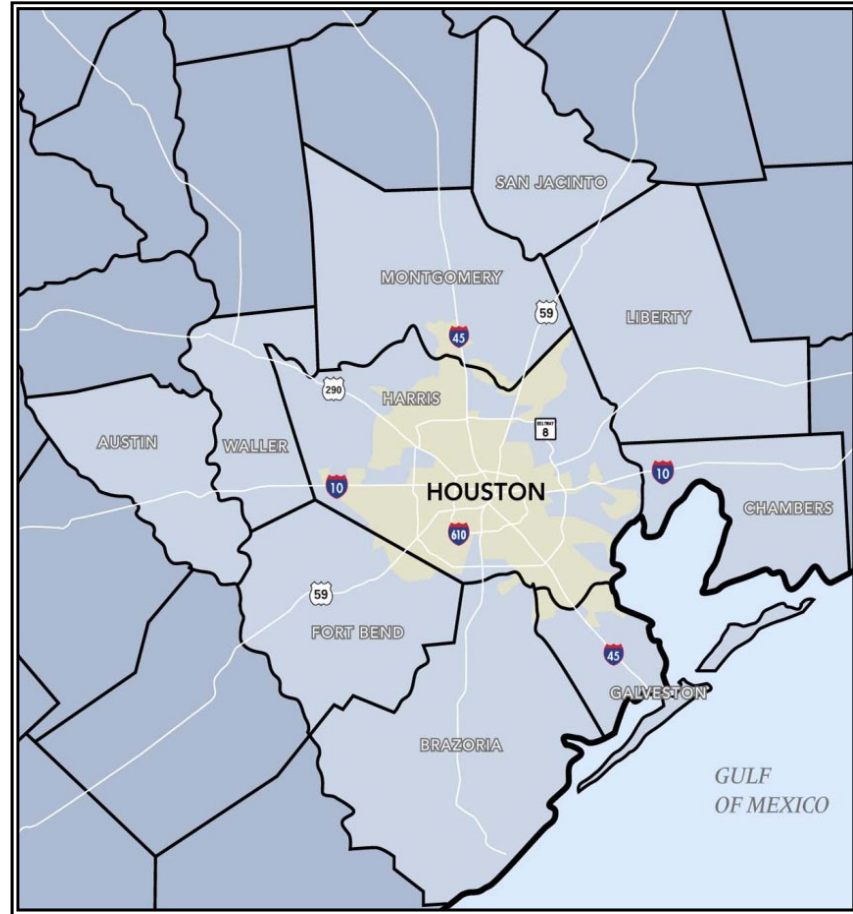
In this presentation, we rely on and refer to information and statistics regarding economic conditions, trends, and our market in the sectors of that market in which we compete. In particular, we have obtained general industry information and statistics from certain third-party Source. We believe that these Source of information and estimates are reliable and accurate, but we have not independently verified them.

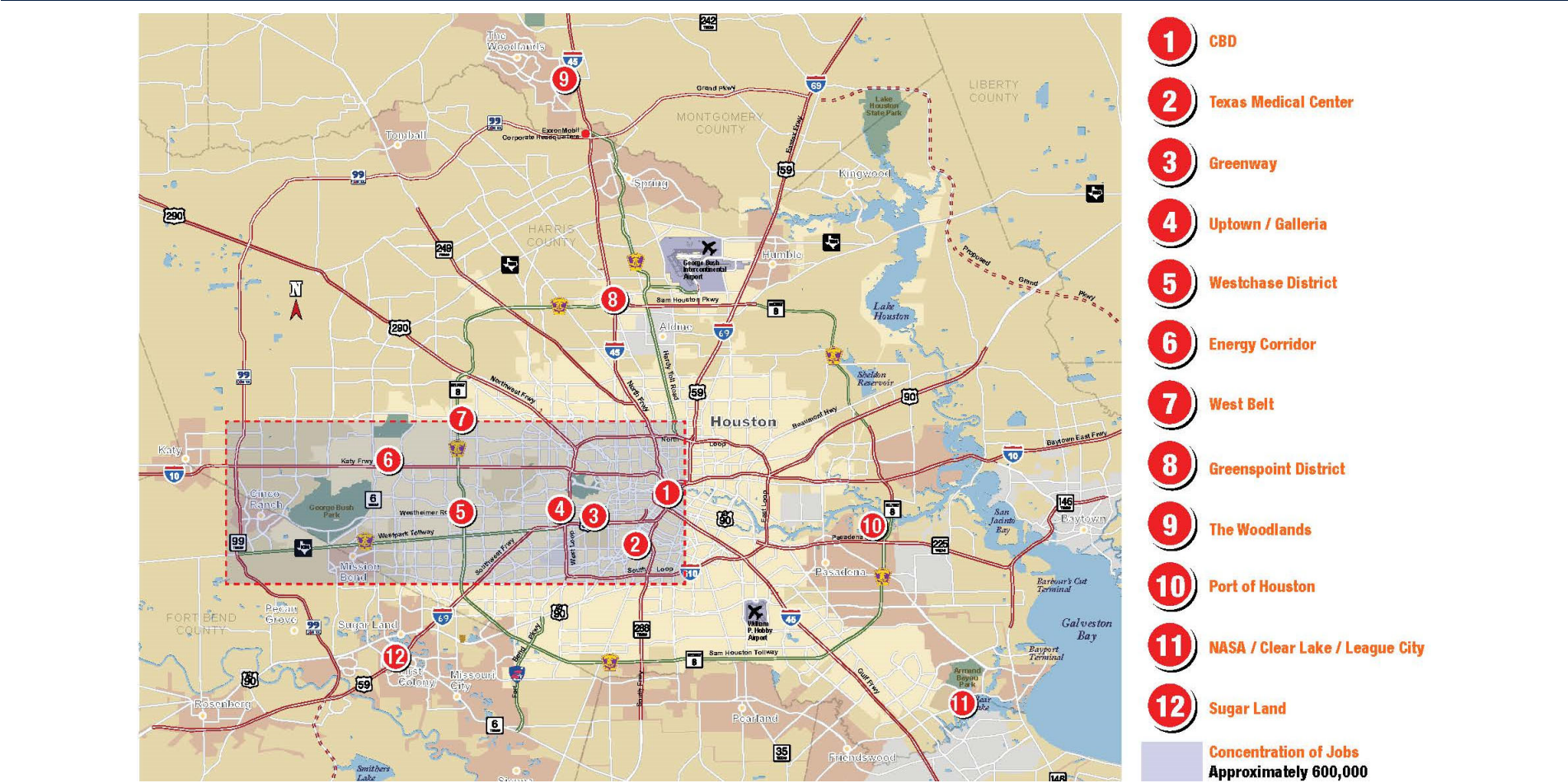
A low-angle photograph of a tall skyscraper with a glass facade, reaching towards a clear blue sky. The building is positioned in the lower-left corner of the frame. A large, circular wooden structure, possibly a bridge or a large wheel, frames the scene from the top and right sides. The wood has a dark, textured appearance. In the center of the image, there is a white rectangular box containing the text "GEOGRAPHIC OVERVIEW" in bold, white, sans-serif capital letters.

GEOGRAPHIC OVERVIEW

Houston – Global Commercial Center

- **4th-Most Populous City**
(2.3 million citizens)
- **5th-Most Populous MSA**
(6.9 million residents)
- **7th-Largest MSA Economy**
(\$490 B in 2017 GDP)
- **10,000+ Square Miles**
- **>3 Million Jobs**



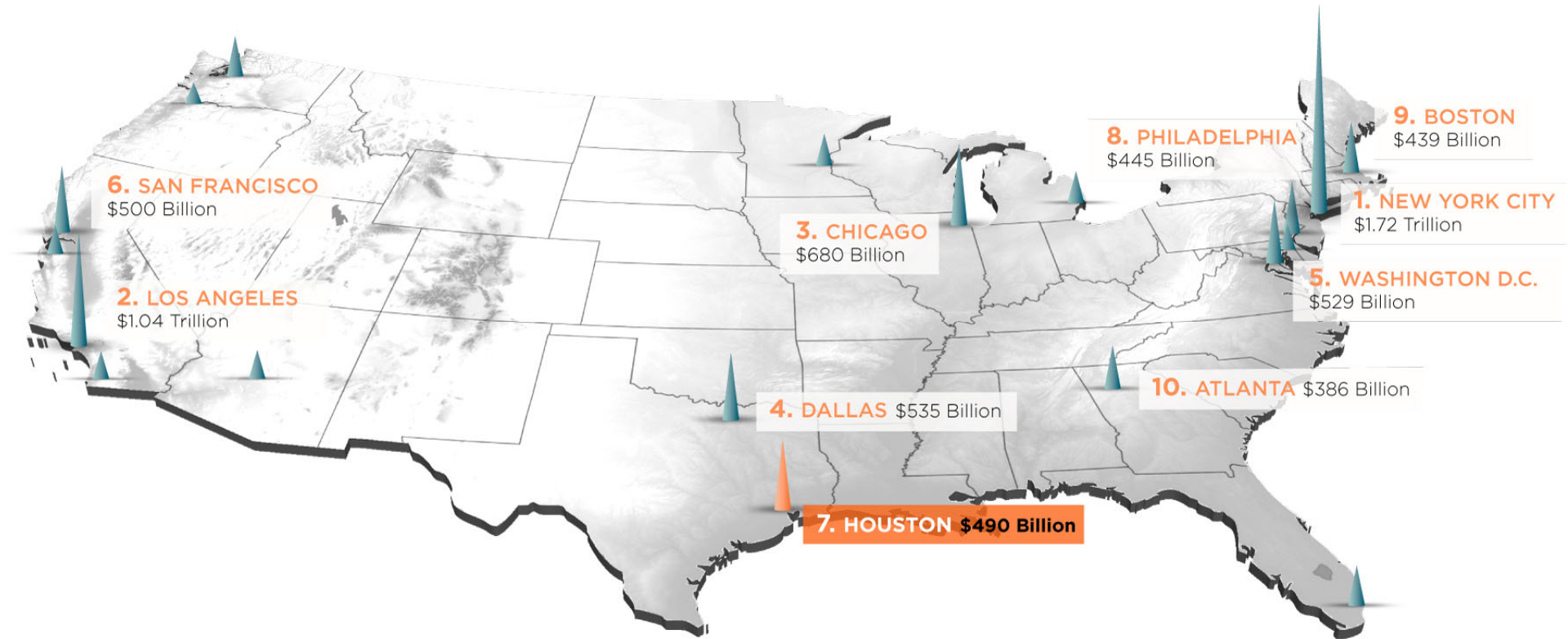


A low-angle photograph of a skyscraper reaching into a clear blue sky, framed by a large circular wooden structure. The text "HOUSTON HIGHLIGHTS" is centered in a white box.

HOUSTON HIGHLIGHTS

America's 7th Largest Metro Economy

If Houston were an independent nation, the region would have the 25th largest economy in the world, behind Belgium and ahead of Thailand



A Versatile Workforce



20.4% Trade, Transportation, and Utilities

15.9% Professional and Business Services

13.5% Government

12.7% Educational and Health Services

10.5% Leisure and Hospitality

7.3% Manufacturing

7.2% Construction

3.3% Finance and Insurance

2.6% Mining and Logging (Upstream Energy)

1.9% Real Estate and Rental and Leasing

1.1% Information

3.6% Other Services

Energy Capital of the World



39 of the 138 publicly-traded oil and gas exploration firms are housed in Houston

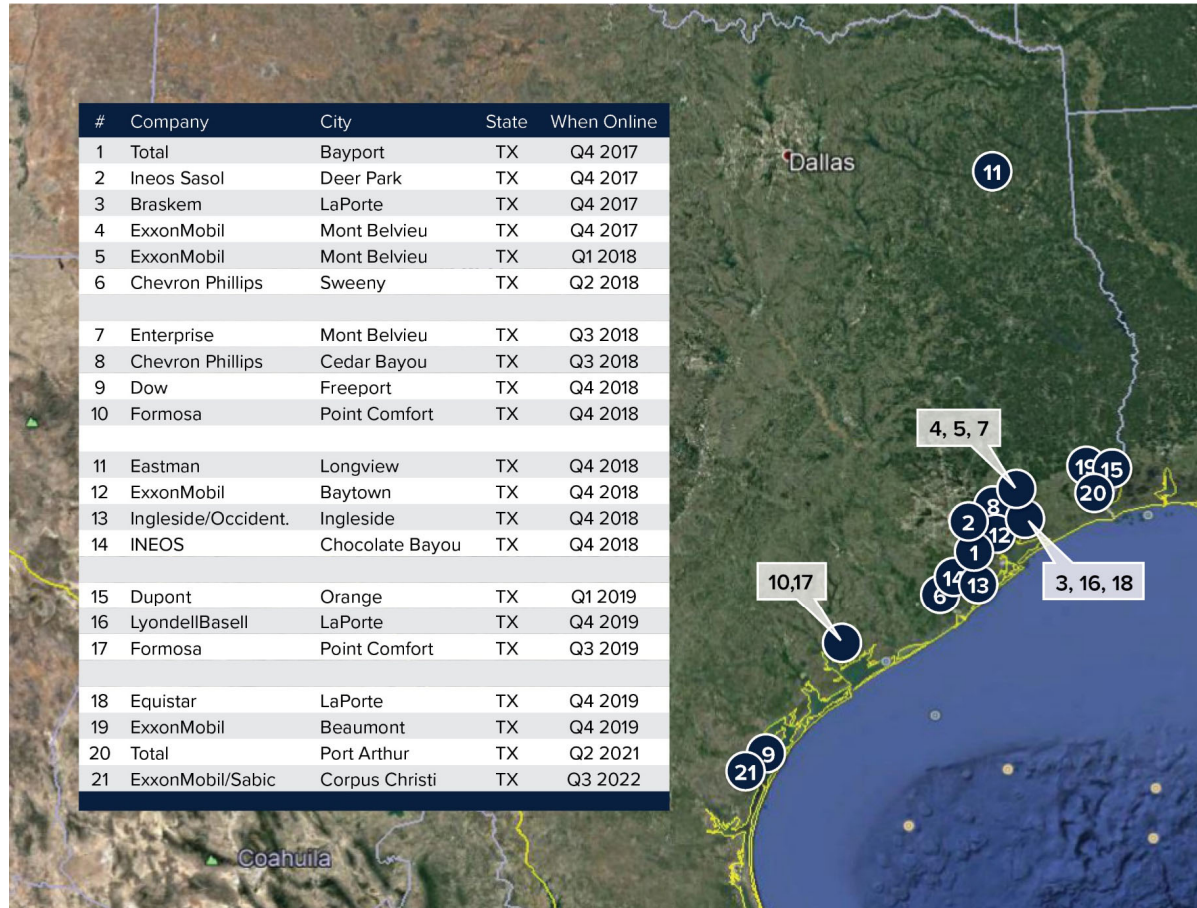
Houston employs **30%** of the nation's oil and gas extraction jobs

Home to the largest petrochemical and refining complex in the **Western Hemisphere**

700
exploration and
production firms

800
oil field service
companies

New and Recent Petrochemical Projects in Texas



- By 2019, this construction activity will add millions of tons of polyethylene pellets.
- Exxon Mobil recently bought close to 100 acres in Baytown. Exxon CEO says the company plans to invest \$50 billion in U.S. operations over the next five years
- A booming plastics industry that has benefited from an abundant supply of natural gas – thanks to the Fracking Boom – has spurred over \$50 billion in new petrochemical plants and expansions.
- These pellets are exported to markets all over the world, and increasing volumes are creating demand for warehouse space in the Southeast submarket near the Port of Houston.

Largest Export Market in the United States



1st

in U.S. import &
export tonnage

2nd

in total tonnage
in the U.S.

16th

busiest port in the
world by tonnage



MORE THAN

8,000

ships visit annually

ECONOMIC
IMPACT:

\$260 billion

annually

LARGEST

Gulf Coast Container Port

Flights to Over 60 International Destinations

54.1 million air passengers in 2017



Airports contribute more than **\$27 billion** to the local economy



New \$1.5 Billion renovation of Terminal D at IAH

Rendering of the proposed spaceport at Ellington Airport



10th largest U.S. airport system for international air cargo

One of **Six** US Cities with Two International Airports

Houston Airport's supports more than **230,000 jobs**

World's Largest Medical Complex

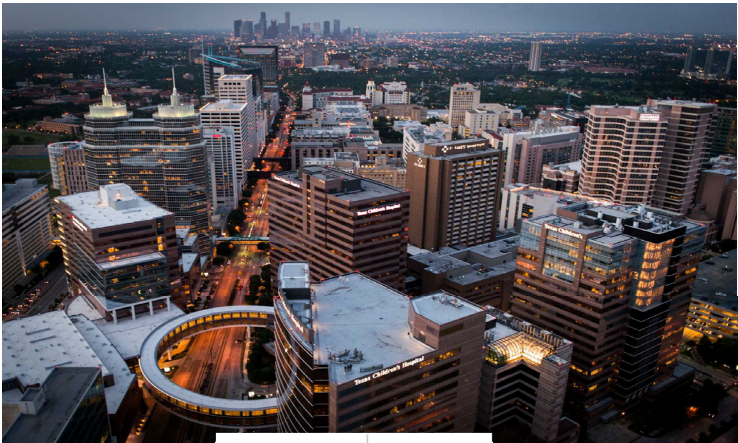


Home to the
WORLD'S LARGEST
CHILDREN'S HOSPITAL
Texas Children's Hospital



Home to the
WORLD'S LARGEST
CANCER HOSPITAL
MD Anderson Cancer Center

180,000+
annual surgeries
\$3 billion
In construction projects underway
10 million
annual patient visits



With 1,
Bus
C is the
U.S.



Globally Renowned Arts & Entertainment



The Menil Collection [left]; renderings for the \$450 million expansion of the Museum of Fine Arts, Houston [below right]; the Houston Museum of Natural Science [below left]

The Museum of Fine Arts Houston [top]; Minute Maid Park, home of the Houston Astros [right]



A low-angle photograph of a skyscraper reaching into a clear blue sky, framed by a large circular opening in a dark, textured wooden structure. The text "HOUSTON ECONOMY" is centered within a white rectangular border in the middle of the circle.

HOUSTON ECONOMY

Houston's Economy is Growing: Here is Why

December T12 Employment: +108,300
First time adding over 100,000 jobs since 2014



Houston Population Growth: +94,417
#2 in the U.S. July 2016 – July 2017



Business Cycle Index: 351.0
Up 4.8% in 2018



WTI Oil Price: Average \$50.78
week of 01/11



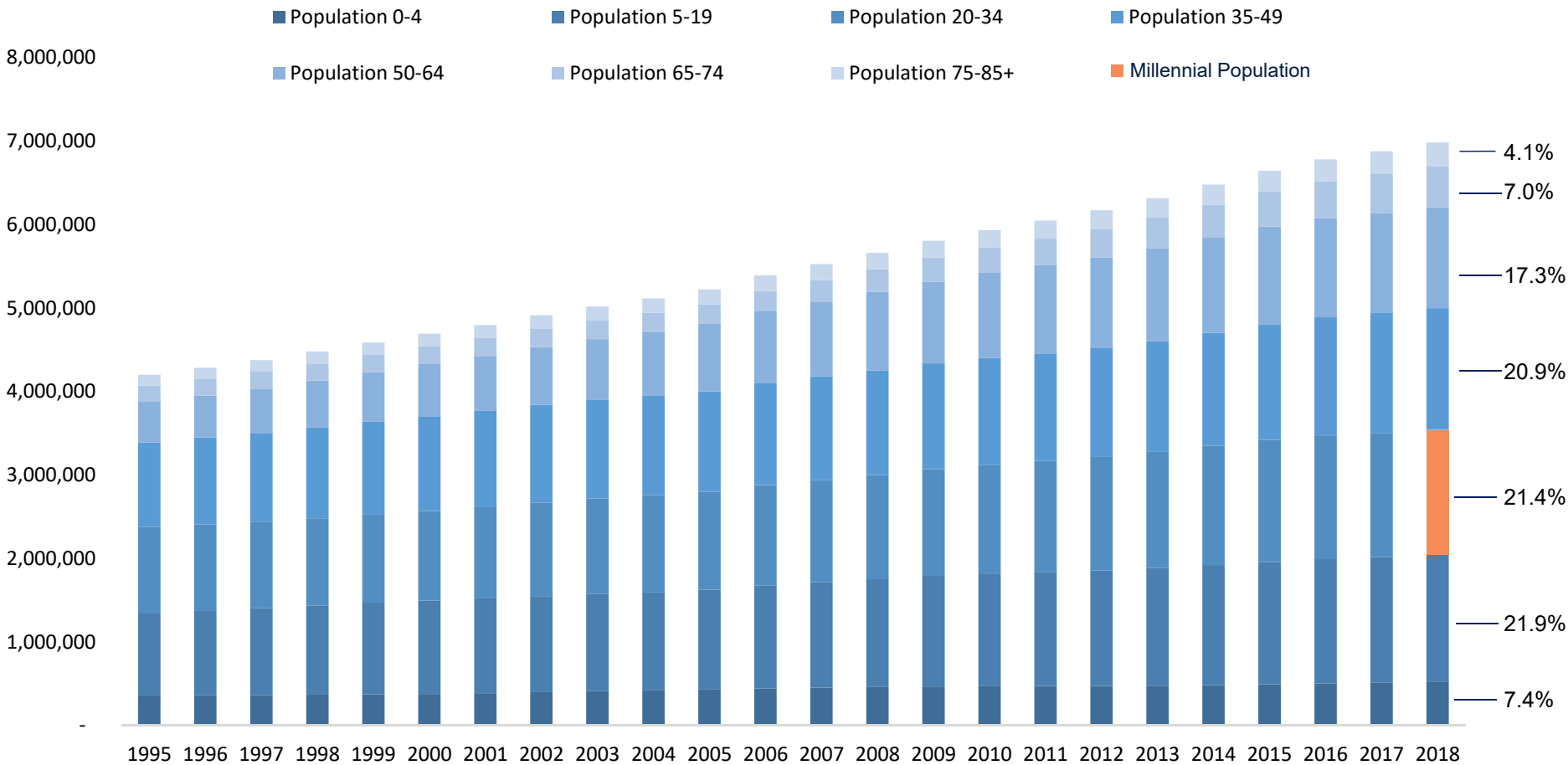
Baker Hughes U.S. Rig Count: 1,050
Up more than double from a low of 316



Purchasing Managers Index: 54.9
Readings above 50 signal short-term economic expansion



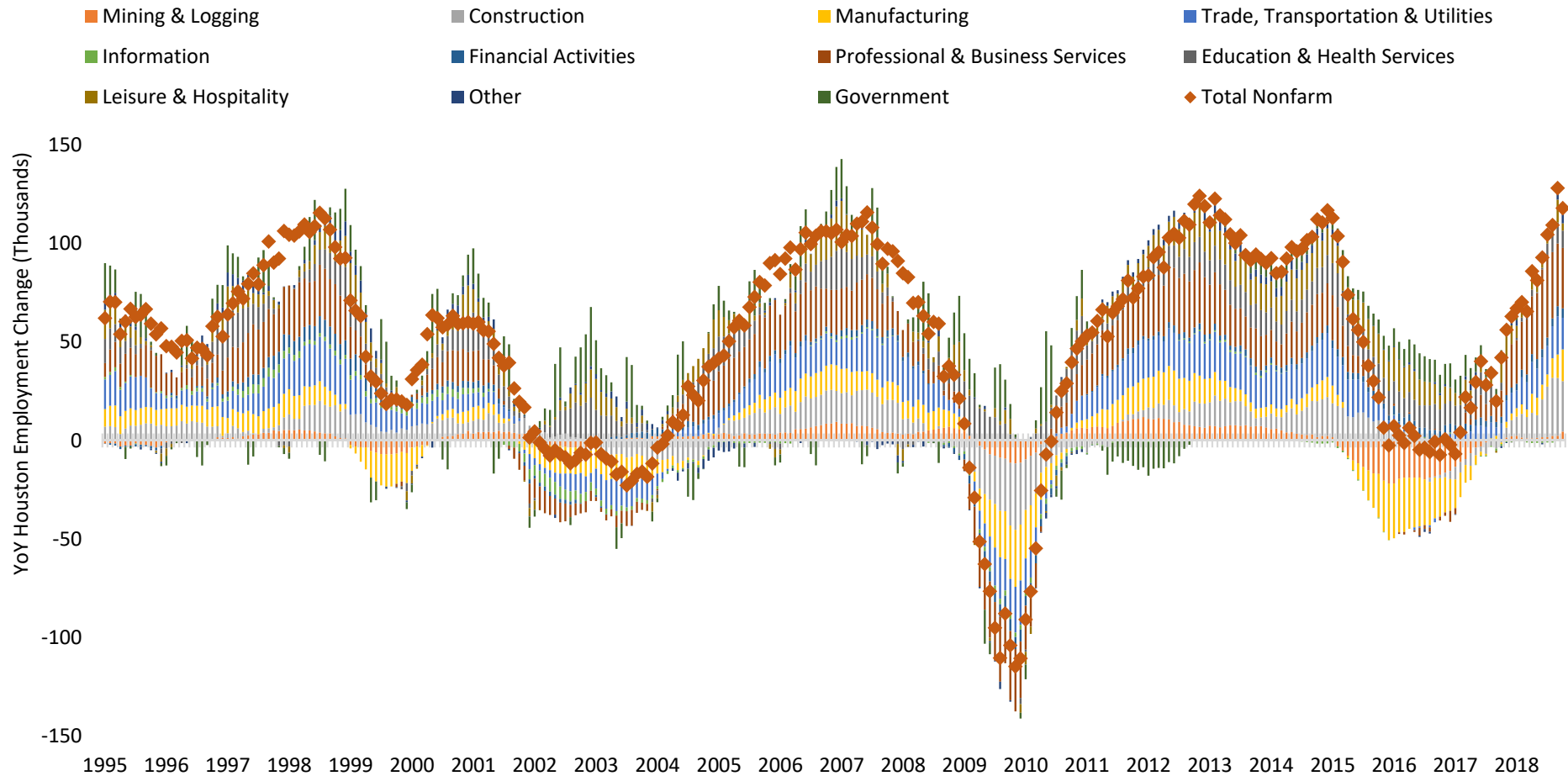
Historical Houston Population Growth – 6.9 Million Residents



Nation-Leading Population Growth

Rank	Metropolitan Statistical Area	Population Change July 2016-July 2017	10 Year Annual Growth Average
1	Dallas-Fort Worth-Arlington, TX	146,238	132,328
2	Houston-The Woodlands-Sugar Land, TX	94,417	132,567
3	Atlanta-Sandy Springs-Roswell, GA	89,013	82,896
4	Phoenix-Mesa-Scottsdale, AZ	88,772	74,596
5	Washington-Arlington-Alexandria, DC-VA-MD-WV	65,908	83,842
6	Seattle-Tacoma-Bellevue, WA	64,386	55,024
7	Riverside-San Bernardino-Ontario, CA	57,017	53,183
8	Orlando-Kissimmee-Sanford, FL	56,498	45,868
9	Austin-Round Rock, TX	55,269	53,887
10	Tampa-St. Petersburg-Clearwater, FL	54,874	37,335

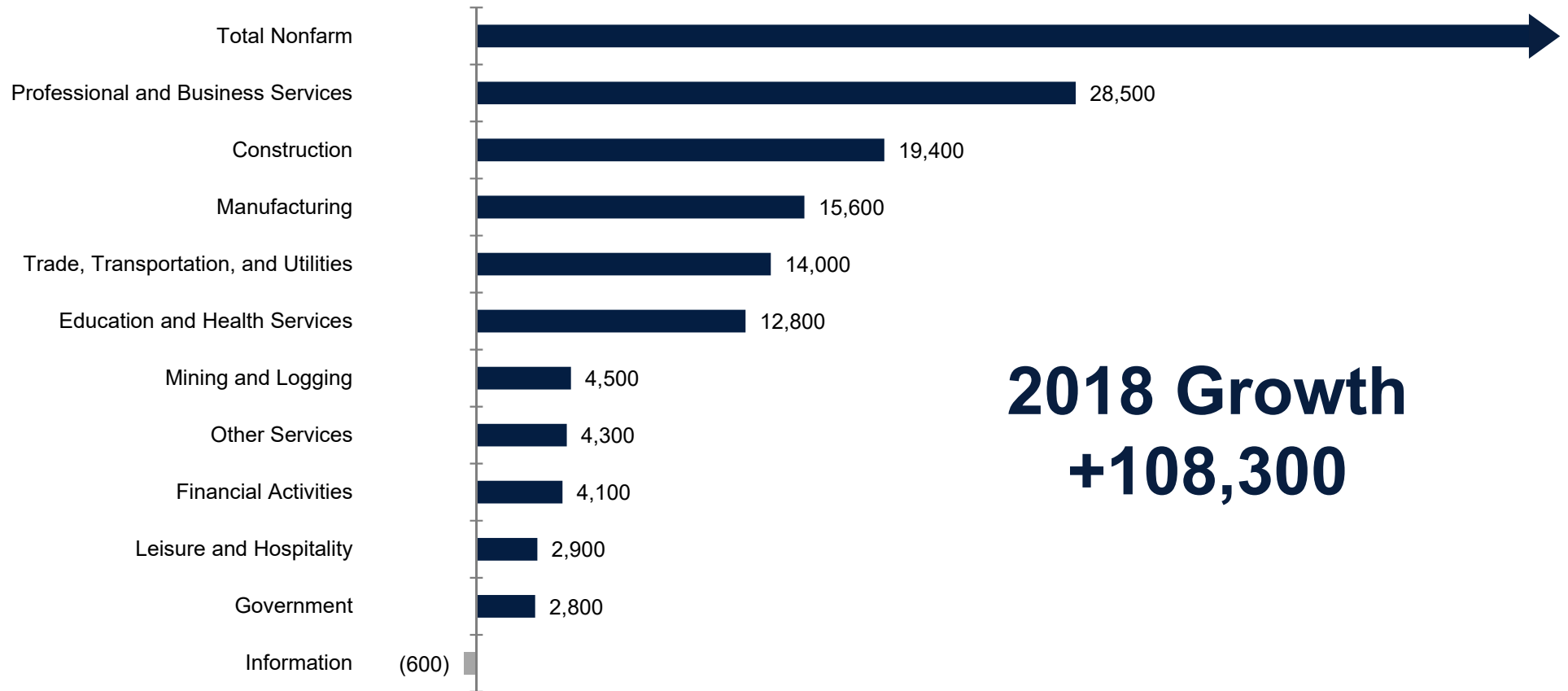
Historical Houston Employment Growth – 3.2 Million Jobs



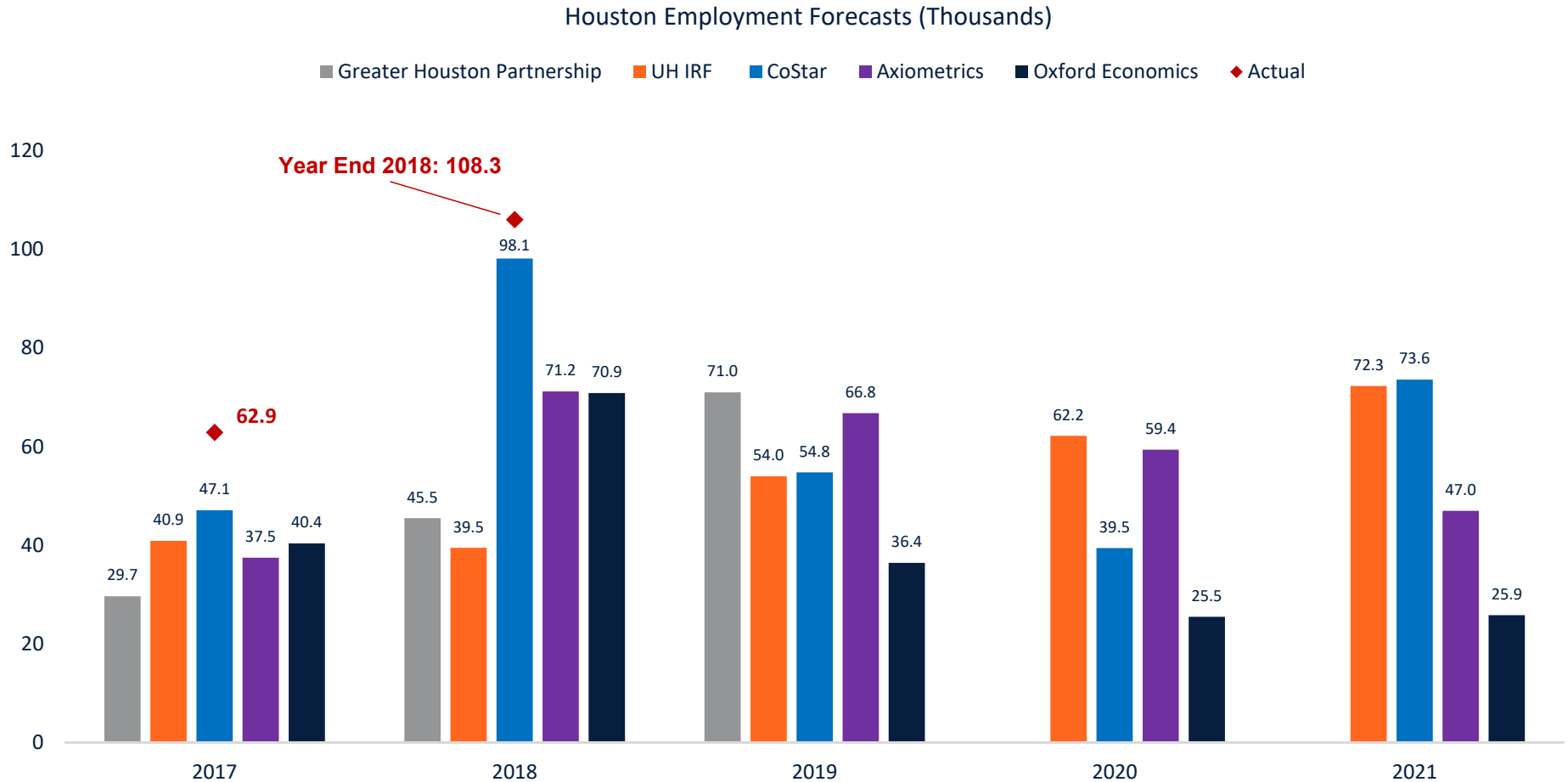
Nation-Leading Employment Growth – December T-12

Rank	Metropolitan Statistical Area	Total Jobs		Total Change	
		December 2018	December 2017	Absolute	Percent
	National	151,190,000	148,530,000	2,660,000	1.76%
1	Dallas-Fort Worth-Arlington	3,783,200	3,666,800	116,400	3.17%
2	New York-Northern New Jersey-Long Island	9,953,700	9,838,200	115,500	1.17%
3	Houston-The Woodlands- Sugar Land	3,181,700	3,073,400	108,300	3.52%
4	Phoenix-Mesa-Scottsdale	2,165,300	2,088,400	76,900	3.68%
5	Atlanta-Sandy Springs-Marietta	2,836,300	2,767,000	69,300	2.50%
6	Seattle-Tacoma-Bellevue	2,103,100	2,035,800	67,300	3.31%
7	Chicago-Naperville-Joliet	4,789,300	4,730,900	58,400	1.23%
8	Miami-Fort Lauderdale-Pompano Beach	2,736,700	2,679,300	57,400	2.14%
9	Los Angeles-Long Beach-Santa Ana	6,225,800	6,169,000	56,800	0.92%
10	Philadelphia-Camden-Wilmington	3,005,800	2,950,900	54,900	1.86%

Houston Employment Changes – YoY December 2018



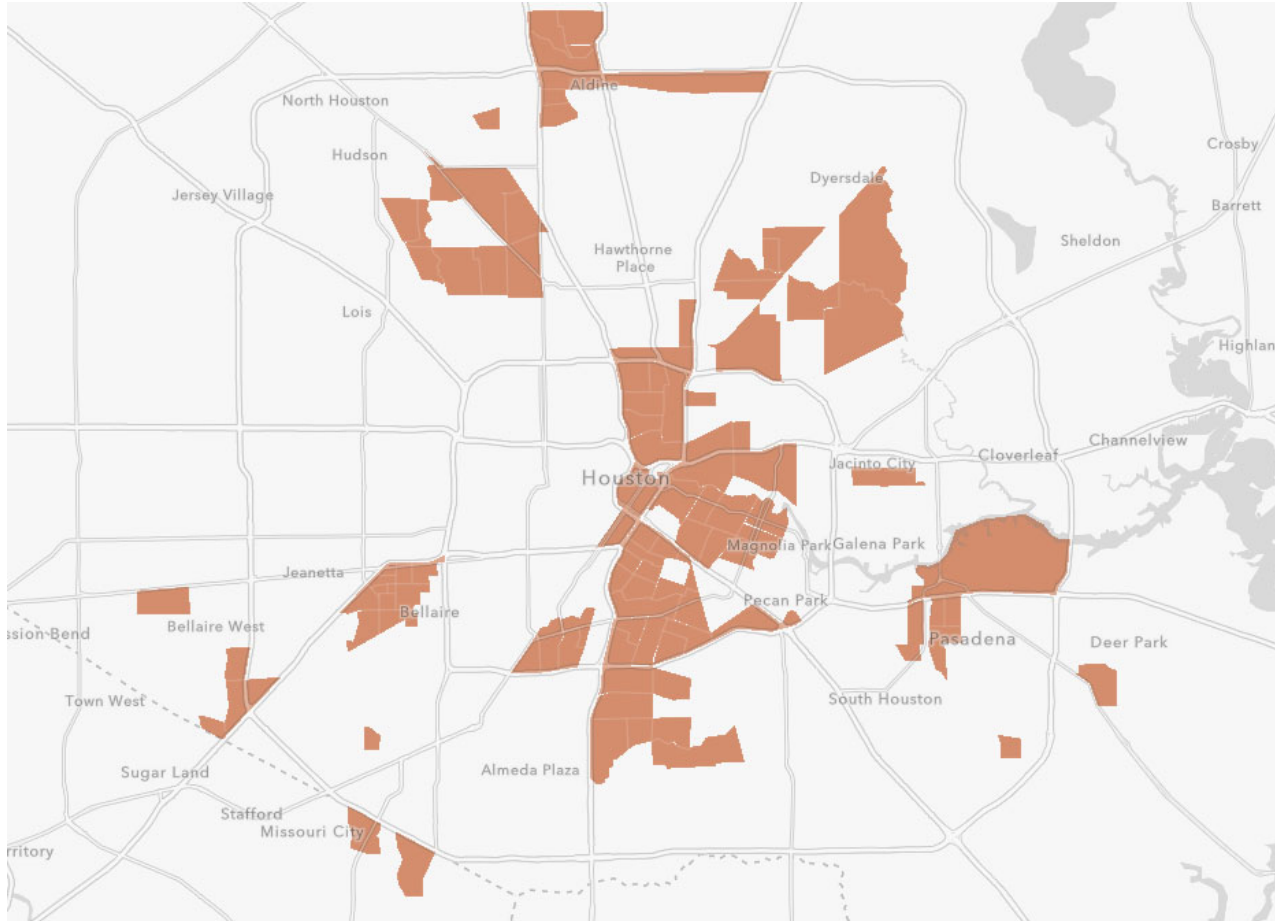
Houston Employment Forecasts – Optimism & Pessimism





GAME CHANGERS

Houston Opportunity Zones



- *The TCJA Act allows a tax payer 180 days in which to reinvest capital gains into a Qualified Opportunity Fund*
- *Reinvesting capital gains allows tax payers to defer capital gains tax until the “Recognition Date,” the earlier of the date the Opportunity Zone property is disposed of, or December 31, 2026.*
- *Less than 5 years: Capital gains tax is deferred until the date the Qualified Opportunity Fund investment is sold*
- *Between 5 and 7 years: 10% step-up in basis on investment in the Qualified Opportunity Fund (tax paid on 90% of deferred capital gain).*
- *Between 7 and 10 years: 15% step-up in basis on investment in Opportunity Fund (tax paid on 85% of deferred capital gain)*
- *Impoverished areas will develop and improve and from invested capital*

TMC Innovation & TMC3

TMC3

A new translational biomedical research hub that will cluster researchers and industry experts together on a collaborative 30-acre campus. The campus will serve as the cornerstone for biomedical advancements in the TMC and beyond.

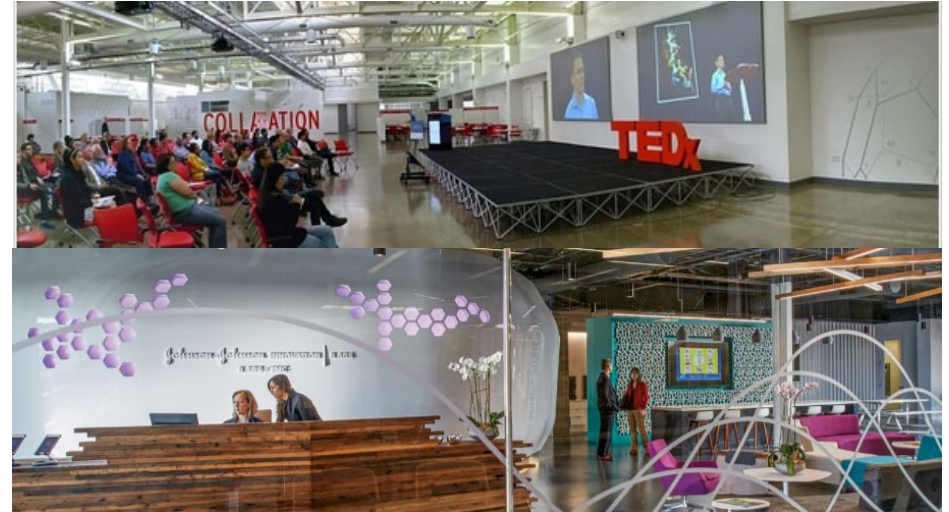
- 1.5 M SF Collaborative Campus
- 250,000 SF Core Labs & Amenities
- 30 Acre Research Hub
- \$5.2 Billion Economic Impact (30,000 Jobs)



TMC Innovation

The TMC Innovation Institute is shaping the future of health care by uniting promising innovators with the best minds in academia, science and medicine. Our programs help startups streamline the development of therapeutic, diagnostic, medical device and digital health.

- 371 Customer Engagements
- \$230 Million Total Funding Raised
- 111 Current & Alumni TMCx Companies
- 7 TMC Venture Fund Companies



Texas Central Railway – Bullet Train

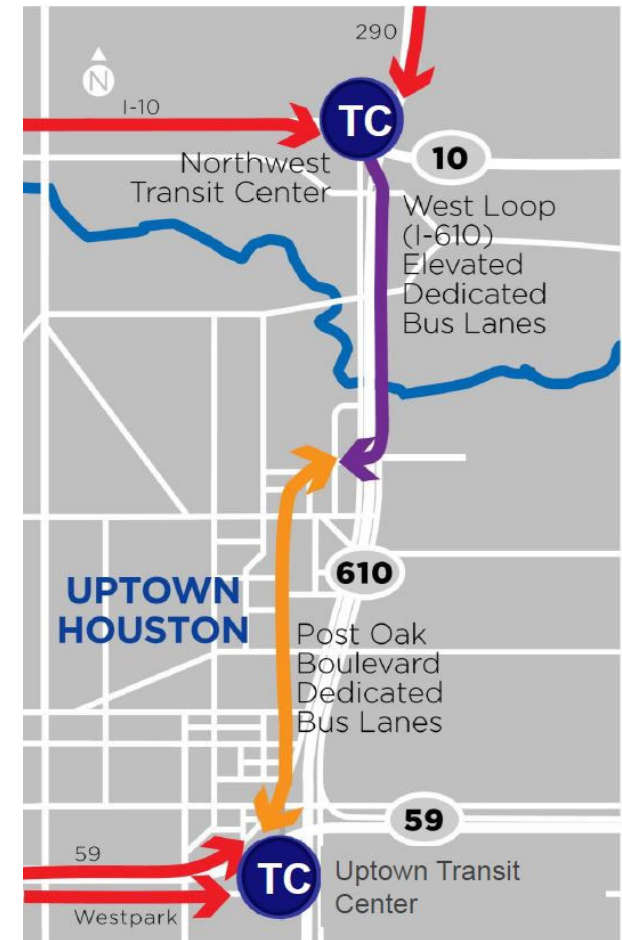


Renderings: train renderings (top), proposed Houston station (bottom left), proposed Dallas station (bottom right)

- Privately-funded high-speed passenger rail system, which would be the first of its kind in the U.S., would connect Dallas-Forth Worth and Houston at speeds of 186-205 mph, with a travel time of less than 90 minutes.
- Construction could begin as early as 2019.
- Three Stations:
 - Houston
 - Northwest Mall
 - Connection to METRO Northwest Transit Center
 - Brazos Valley
 - Grimes County, equidistant between Bryan/College Station and Huntsville
 - Dallas
 - Cedars Neighborhood
 - Connection to DART light rail
- Nearly 50,000 commute between Texas's two largest cities weekly.
- Cost of \$15-\$18 billion
- Estimated \$36 billion in economic benefits over the next 25 years, 1,000 direct jobs and \$17-\$51 billion in state and local taxes.
- The Federal Railroad Administration (FRA) released its Draft Environmental Impact Statement (DEIS) on December 15, 2017, and the public comment period consisting of 10 meetings in the affected counties was just completed.

The Boulevard Project

- *Uptown Transit Connector (High-Speed Bus Lane)*
West Loop HOV / Northwest Transit Center
Post Oak Boulevard Improvements
Uptown Transit Center
- *Estimated Completion Date: Year-End 2018*
- *Total Cost: \$192.5M*



North Houston Highway Improvement Project

- 3 Segments
- Downtown Segment (Segment 3) already funded; construction scheduled to begin in 2020; cost of \$3 billion and 12 miles of 24-mile total
- Total estimated completion date: 2028
- Total project cost: \$7.5 billion



EXISTING CONDITION



PROPOSED CONDITION

North Houston Highway Improvement Project

EaDo Cap Park



Pierce Elevated Park



Buffalo Bayou Gateway



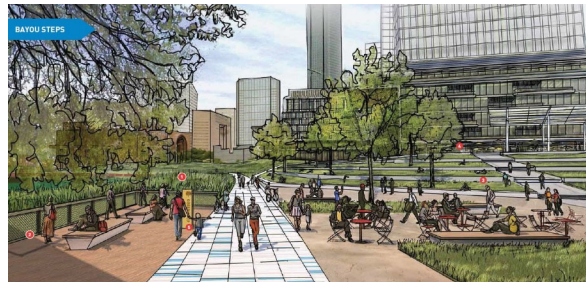
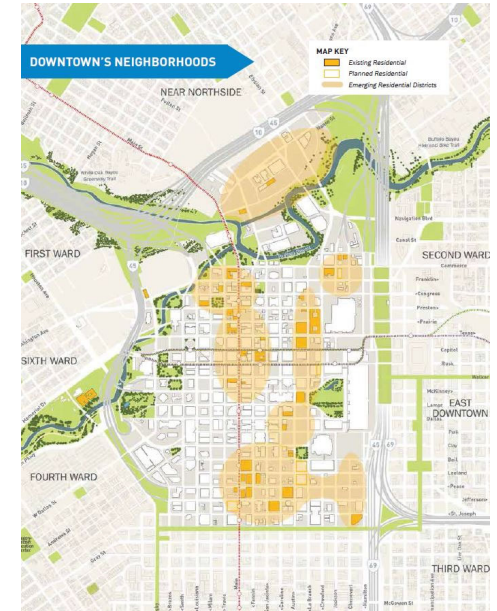
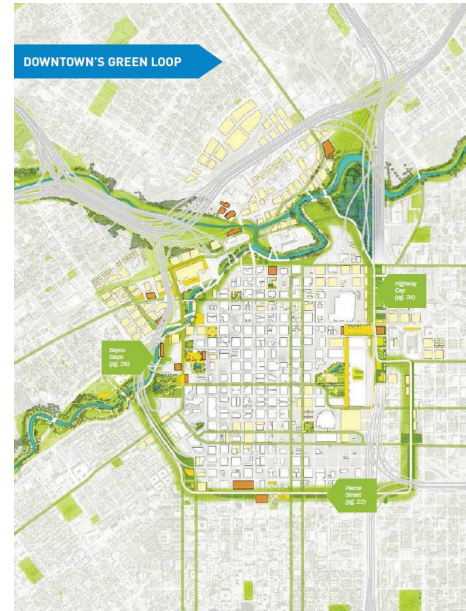
Midtown Cap Park



* Opportunity vetted with the public through the Museum Park Liveable Centers Study

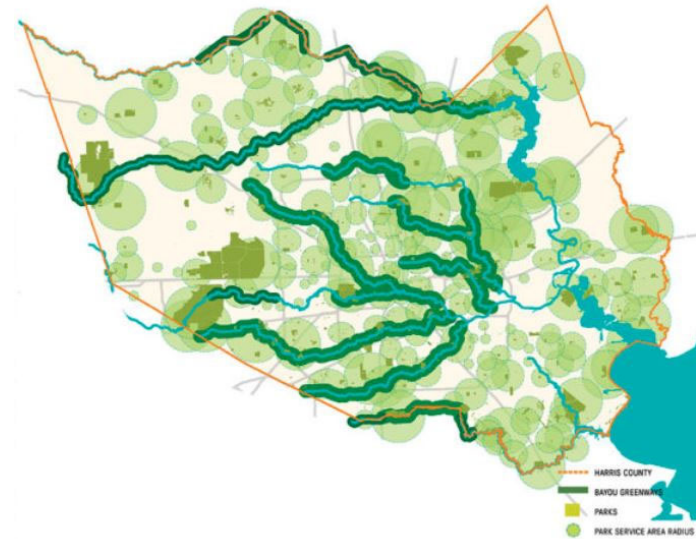
Plan Downtown - Converging Culture, Lifestyle & Commerce

- Enhance and expand Downtown's activities and attractions.
- Create Downtown's Green Loop.
- Enliven Downtown through enhanced walkability and engaging places.
- Support Downtown's existing businesses and promote corporate attraction.
- Build Downtown's innovation ecosystem and the office of the future.
- Catalyze Downtown's emerging neighborhoods.
- Support a comprehensive Central City Housing Plan.
- Capture the value of Downtown's central position.
- Implement a smart network of great streets.
- Be a national leader for connectivity innovation.



Bayou Greenways 2020

- Transforming Houston into a healthier and more beautiful city
- Creating a network of connected parks and trails along Houston's major waterways
- Providing unprecedented access to 3,000 acres of greenspace along the bayous
- Adding more than 80 new miles of trails along the bayous within the city limits for a total of 150 miles
- Enhancing recreation, conservation and active transportation in Houston
- \$77.1 million in physical + mental health benefits, \$22.5 million environmental health benefits, \$17.5 million economic health benefits
- 6-in-10 Houstonians will live within 1.5 miles of a bayou greenway trail
- Total Cost: \$220 million (\$207 million raised)
- Estimated Completion: 2020



Buffalo Bayou Master Plan



Diversity of Revenue & Capital Expenditure

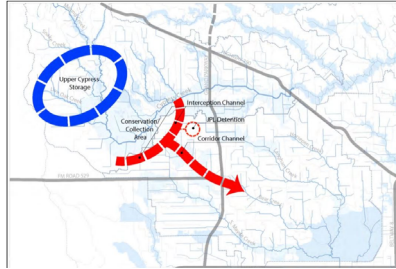
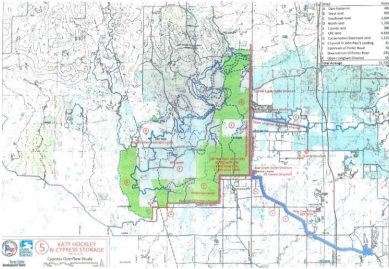
- 20-year Master Plan
- On December 7, 2015, the Memorial Park Conservancy, the Uptown Tax Increment Reinvestment Zone and Houston Parks and Recreation Department broke ground on the first major project – the Eastern Glades.
- Estimated Completion Date: 2035
- Total Cost of the Master Plan: \$200 million



Flood Mitigation Projects

Plans:

- \$12 billion Ike Dike / Coastal Spine Surge Protection System
- \$1.26 billion to complete 6 bayou projects
- \$500 to build 3rd reservoir – Cypress Creek
- Repair existing Addicks & Barker Reservoirs





MULTI-HOUSING MARKET

Houston Multi-Housing State of the Market - Trends

Demand Drivers

108,300
Prelim 2018
Job Growth

\$52/BBL
Current Oil Prices

\$298,982
Avg Single-Family
Sales Price in 2018

Fundamentals

RENT RECOVERY
Renewal Pricing Power and
Return to Peak Shifts to 2019

**CONSTRUCTION
COSTS INCREASING**
10% Projected in 2019

SUPPLY SURGE
5K Delivered in 2018,
10K Projected in 2019

Transactions

\$7.7 BILLION
Prelim 2018
MH Transaction Volume

**SIGNIFICANT
LIQUIDITY**
#4 MH Market in the US
for Transaction Volume

MORE DEBT OPTIONS
Beyond Agencies

What Buyers Want

PRODUCT
Limited Opportunities
Available Currently

**REPLACEMENT COST
VS YIELD**
Varies by Product Type (A vs BC)
and Location (Recovery Status)

LOCATION
Core, Core Plus, and
Barriers-to-Entry Submarkets

#1 Buy Market in the U.S. in 2019

"In Houston, a resurgent energy sector is turbocharging the local economy and buoying apartment rents.Ten-X Commercial forecasts that Houston is likely to prove considerably more resilient during a modeled downturn than other markets, with NOIs likely to see 6.0 percent annual gains through 2021."

Ten-X, August 2018

Houston Multi-Housing State of the Market – Class A+ Pricing

2018-2019 CLOSINGS



SLATE

2016 YOC | 271 Units
\$48 Million | \$178K/Unit
4.17% Cap Rate



MODERA SHEPHERD

2018 YOC | 245 Units
\$60 Million | \$245K/Unit
Portfolio Sale



CATALYST

2018 YOC | 359 Units
\$133.5 Million | \$372K/Unit
4.00% Stabilized Cap Rate



WATERWALL PLACE

2013 YOC | 322 Units
\$89.5 Million | \$278K/Unit
3.71% Cap Rate



GABLES WEST AVE

2008 YOC | 397 Units
\$93 Million | \$234K/Unit
4.19% Cap Rate



VENUE MUSEUM DISTRICT

2009 YOC | 224 Units
\$73 Million | \$325K/Unit
3.78% Cap Rate



MARQUIS LOFTS AT HERMANN PARK

2005 YOC | 380 Units
\$66 Million | \$174K/Unit
5.00% Cap Rate



SOLA UPTOWN RIVER OAKS

2014 YOC | 317 Units
\$58 Million | \$185K/Unit
3.50% Cap Rate



ALEXAN DOWNTOWN

2017 YOC | 285 Units
\$81 Million | \$285K/Unit
Off-Market



ALEXAN YALE STREET

2016 YOC | 378 Units
\$100 Million | \$265K/Unit



BROADSTONE TINSELY PARK

2017 YOC | 365 Units
\$86 Million | \$235K/Unit



21 ELEVEN

2015 YOC | 215 Units
\$54 Million | \$251K/Unit
3.75% Cap Rate

UNDER CONTRACT



2121 MIDLANE

2009 YOC | 329 Units
\$70 Million | \$213K/Unit
Direct



ARCHSTONE TOSCANO

2013 YOC | 474 Units
Confidential Pricing
4.45% Cap Rate



ALEXAN ASHFORD

2016 YOC | 312 Units
Confidential Pricing
3.50% Cap Rate

RECENTLY PRICED



STELLA AT RIVERSTONE

2017 YOC | 349 Units
\$70 Million | \$200K/Unit



HIGHBANK

2017 YOC | 284 Units
\$51 Million | \$180K/Unit



AURA MEMORIAL

2014 YOC | 288 Units
\$47 Million | \$166K/Unit



PORTICO KIRBY

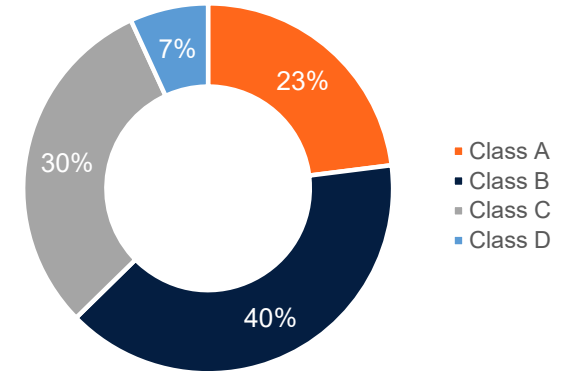
1999 YOC | 263 Units
\$44 Million | \$175K/Unit

Houston Multi-Housing Fundamentals – 4Q18

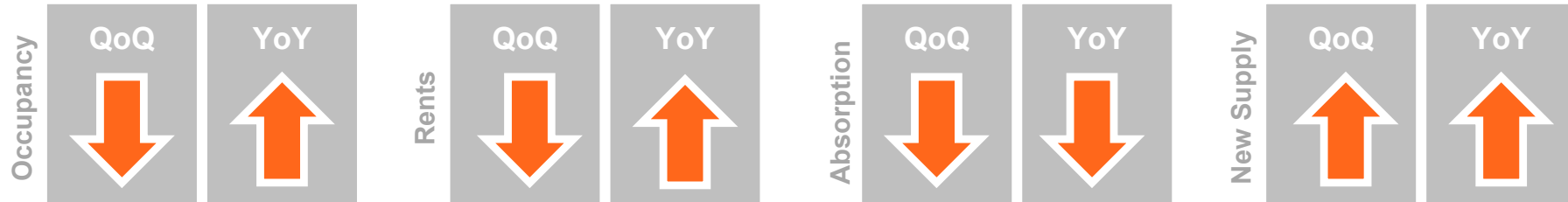
Fundamentals by Classification

Classification	Total Units	Average Occupancy	Effective Rent/Month	Effective Rent/SF	T12 Rent Growth	T12 Net Absorption (units)
Class A	149,069	87.0%	\$1,488	\$1.57	0.4%	9,299
Class B	256,928	90.9%	\$993	\$1.14	0.9%	-619
Class C	197,483	90.1%	\$793	\$0.93	1.3%	-1,436
Class D	44,461	88.0%	\$643	\$0.75	-0.8%	722
Houston Totals	647,941	89.6%	\$1,022	\$1.16	1.1%	7,966

Classification Distribution



Performance Comparison

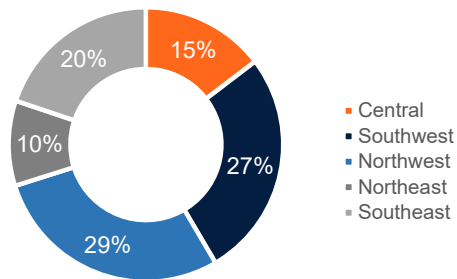


Houston Multi-Housing Fundamentals – 4Q18

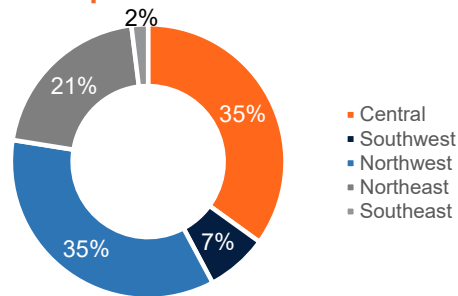
Fundamentals by Area

Classification	Total Units	Average Occupancy	Effective Rent/Month	Effective Rent/SF	T12 Rent Growth	T12 Net Absorption (units)	Under Construction (units)
Central	94,945	89.0%	\$1,481	\$1.62	-0.2%	2,784	6,657
Southwest	174,125	89.6%	\$923	\$1.06	0.6%	579	672
Northwest	185,405	90.7%	\$1,005	\$1.11	1.5%	2,812	6,677
Northeast	64,966	87.6%	\$864	\$1.00	2.1%	1,636	1,510
Southeast	128,500	89.3%	\$921	\$1.07	1.6%	155	1,982
Central	94,945	89.0%	\$1,481	\$1.62	-0.2%	2,784	6,657
Suburban	552,996	89.6%	\$943	\$1.07	1.3%	5,182	10,841
Houston Totals	647,941	89.6%	\$1,022	\$1.16	1.1%	7,966	17,498

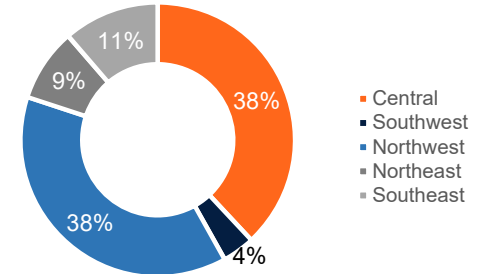
Area Distribution



Absorption Distribution

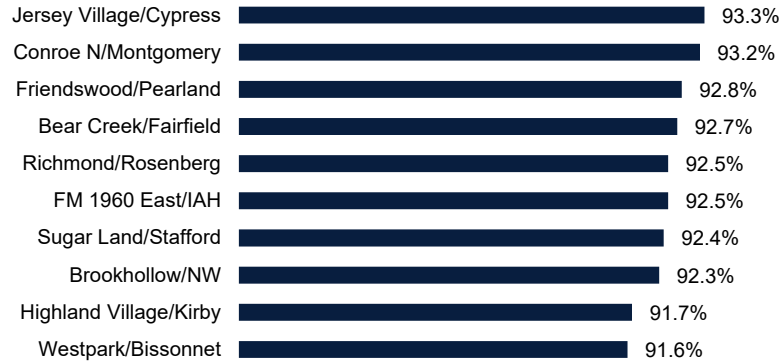


Construction Distribution

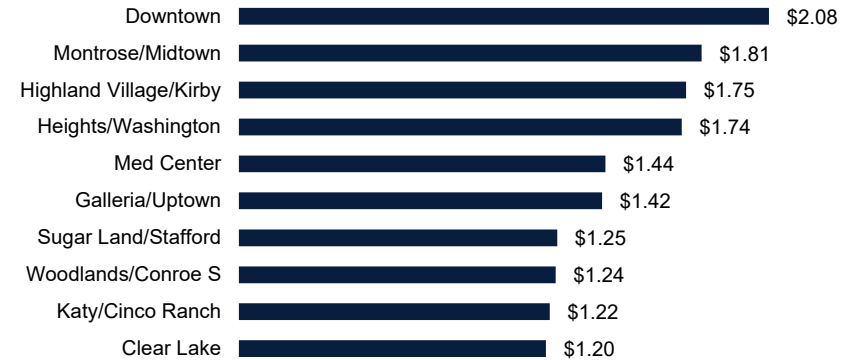


Houston Multi-Housing Market Submarket Rankings – 4Q18

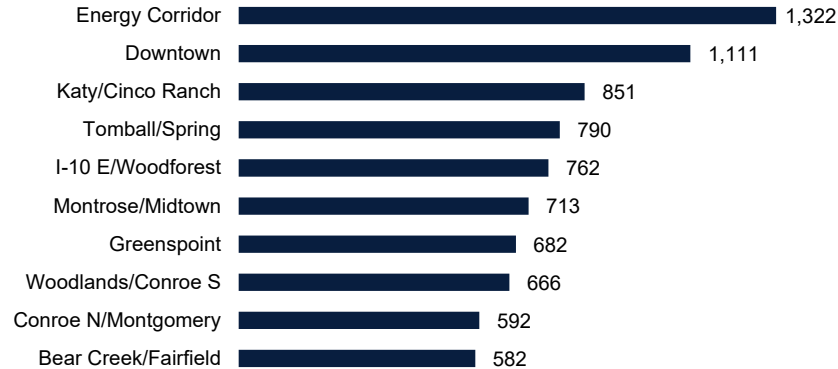
Occupancy



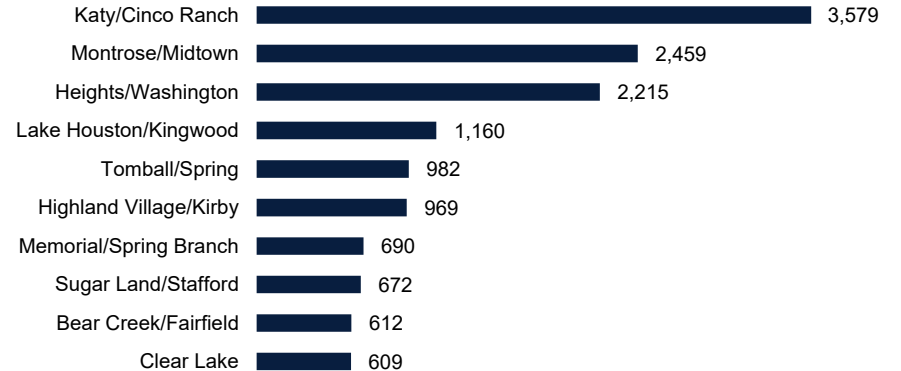
Rental Rates



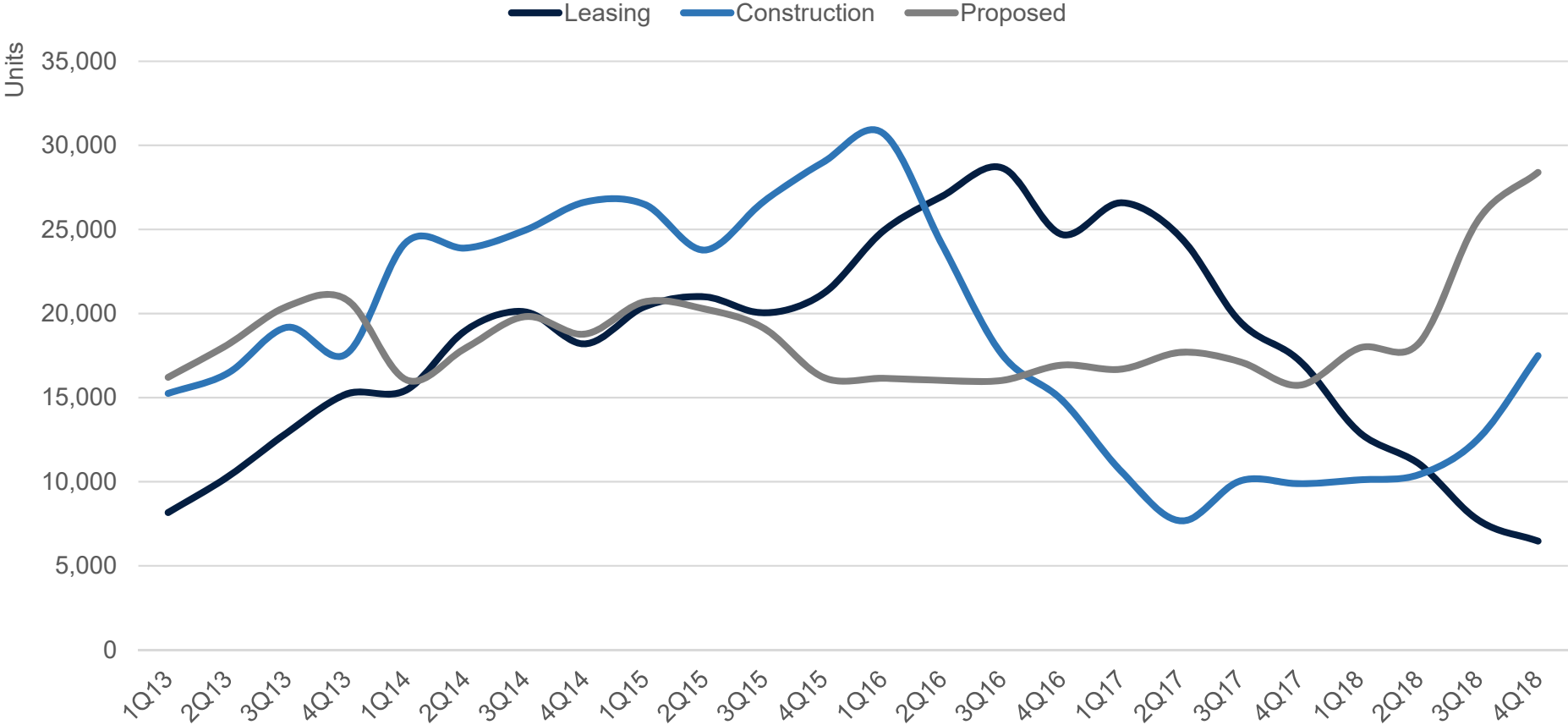
Absorption



Under Construction



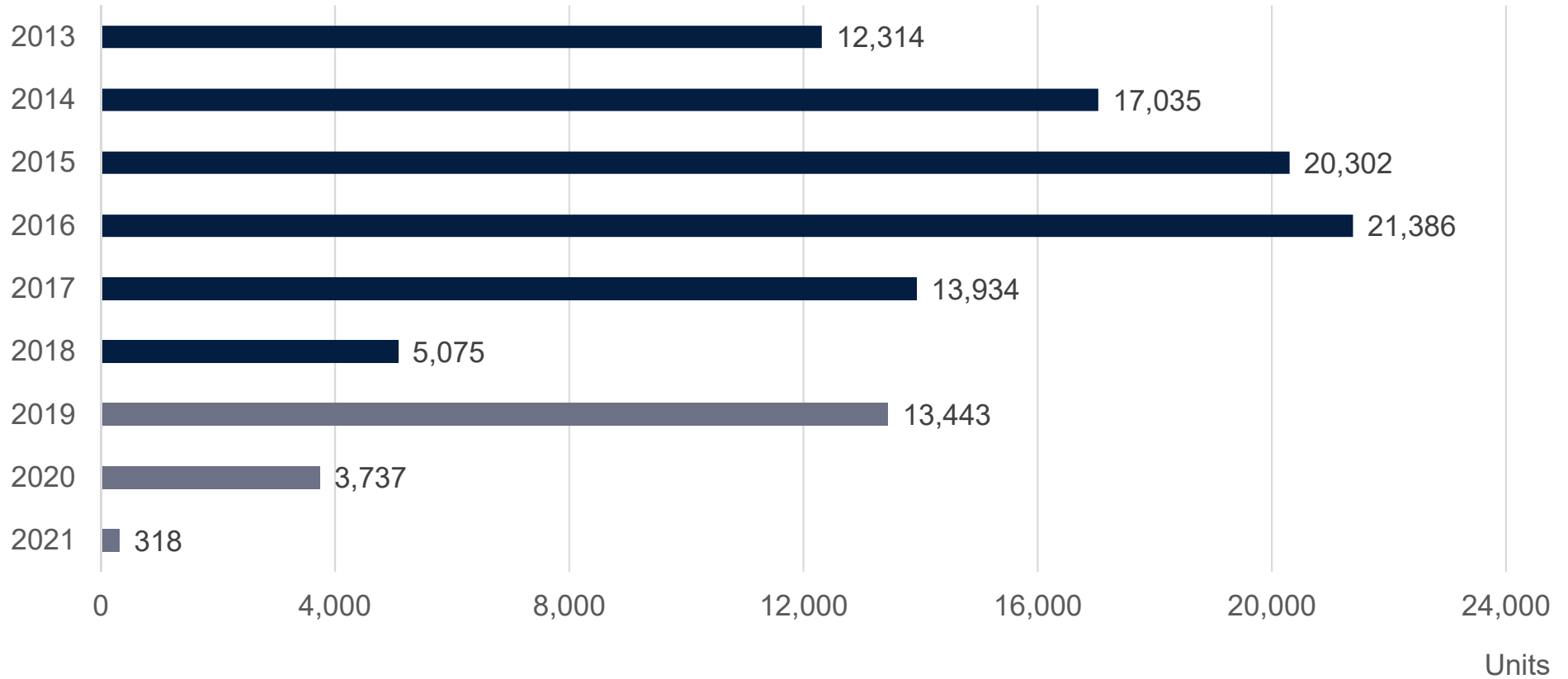
Deliveries Down in 2018 but Renewed Developer Interest Caused Spike in Proposed



Source: Apartment Data Services, As of 4Q18

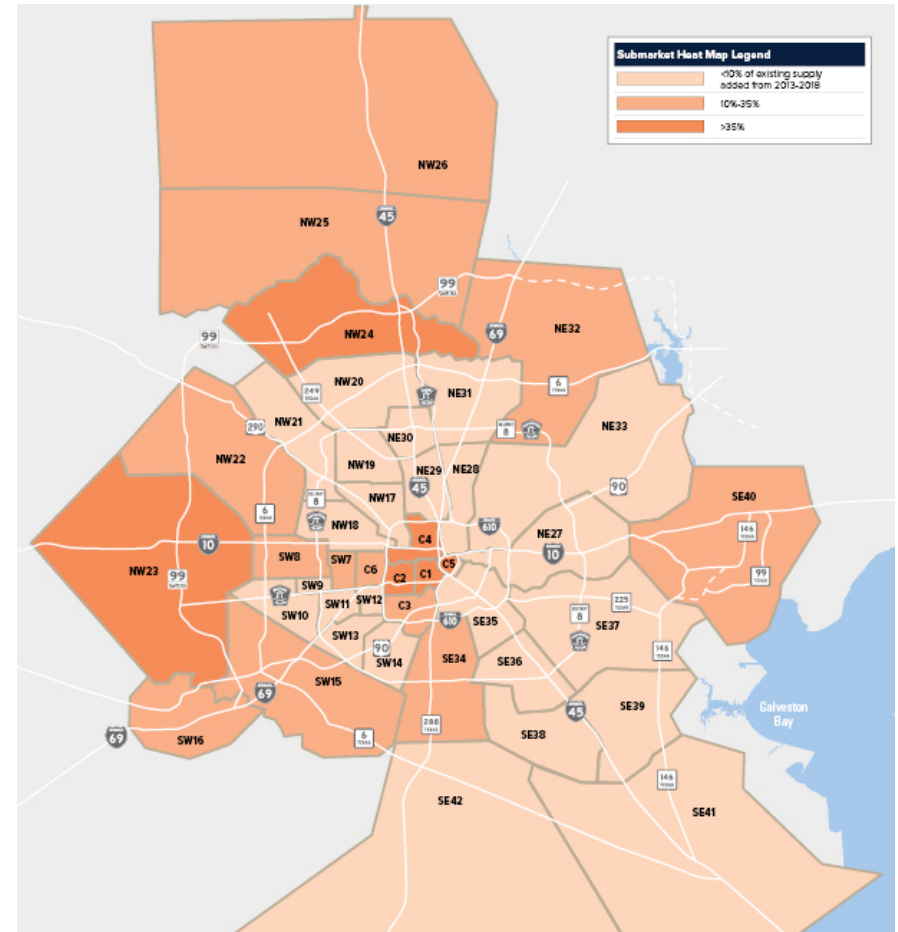
Only 5,000 Units Came Online in 2018

Historical and Scheduled Deliveries



Heatmap of Units Added During 2013-2018 Construction Cycle

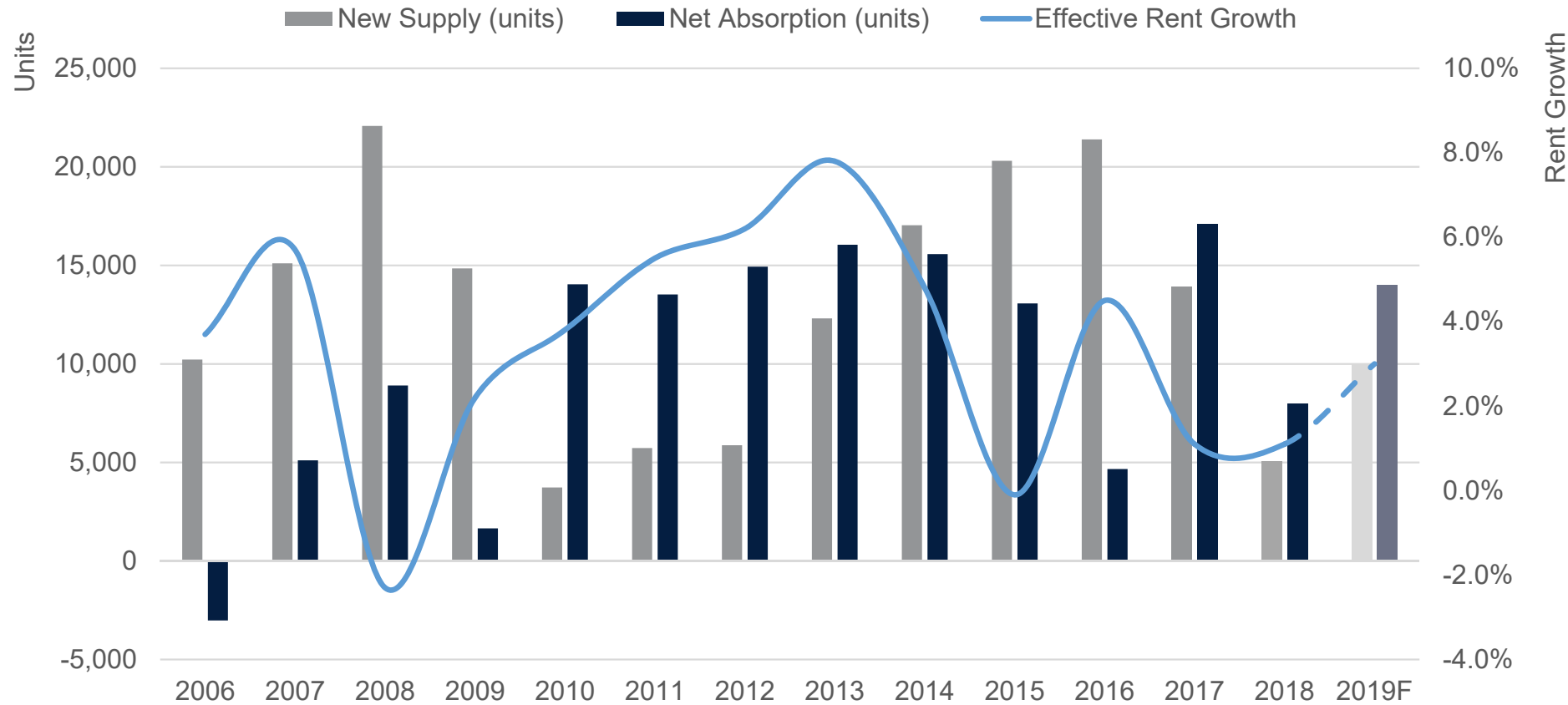
Submarket Key	Submarket Name	Existing Supply (Total Units)	Total Units Built Since 2013	% of Total Units
CENTRAL HOUSTON				
C1	Montrose/Museum/Midtown	13,618	6,514	47.8%
C2	Highland Village/Upper Kirby/West U	16,504	6,206	37.5%
C3	Mid-Center/Braes Bayou	23,507	4,810	20.5%
C4	Heights/Washington Ave	10,937	4,107	37.6%
C5	Downtown	5,952	3,859	64.8%
C6	Galleria/Uptown	24,148	4,679	19.4%
SOUTHWEST HOUSTON				
SW7	Woodlake/Westheimer	12,233	1,762	14.4%
SW8	Energy Corridor/City Centre/Briar Forest	33,163	7,891	23.8%
SW9	Westchase	14,922	827	5.5%
SW10	Alief	26,978	81	0.3%
SW11	Sharpstown/Westwood	25,538	262	1.0%
SW12	Westpark/Bissonnet	16,897	0	0.0%
SW13	Braeswood/Fondren SW	21,786	0	0.0%
SW14	Almeda/South Main	4,770	124	2.6%
SW15	Sugar Land/Stafford/Sienna	12,896	2,133	16.5%
SW16	Richmond/Rosenberg	4,766	594	12.5%
NORTHWEST HOUSTON				
NW17	Brookhollow/Northwest Crossing	19,510	544	2.8%
NW18	Memorial/Spring Branch	22,084	1,163	5.3%
NW19	Inwood/Hwy 249	5,828	127	2.2%
NW20	Willowbrook/Champions/Ella	39,148	1,202	3.1%
NW21	Jersey Village/Cypress	15,281	482	3.2%
NW22	Bear Creek/Copperfield/Fairfield	16,622	3,623	21.8%
NW23	Katy/Cinco Ranch/Waterside	25,084	10,235	40.8%
NW24	Tomball/Spring	13,497	8,161	60.5%
NW25	Woodlands/Conroe South	19,702	6,574	33.4%
NW26	Conroe North/Montgomery	8,649	1,693	19.6%
NORTHEAST HOUSTON				
NE27	I-10 East/Woodforest/Channelview	11,980	627	5.2%
NE28	I-69 North	3,955	350	8.8%
NE29	Northline	6,672	456	6.8%
NE30	Greenspoint/Northborough/Aldine	17,187	0	0.0%
NE31	FM 1960 East/IAH Airport	8,778	663	7.4%
NE32	Lake Houston/Kingwood	12,674	1,988	15.7%
NE33	Northeast Houston/Crosby	3,278	218	6.7%
SOUTHEAST HOUSTON				
SE34	Hwy 288 South/Pearland West	12,167	2,796	23.0%
SE35	U of H/I-45 South	17,794	600	3.4%
SE36	Beltway 8/I-45 South	13,204	200	1.5%
SE37	Pasadena/Deer Park/La Porte	23,389	1,136	4.9%
SE38	Friendswood/Pearland East	5,458	63	1.2%
SE39	Clear Lake/Webster/League City	24,288	1,890	7.8%
SE40	Baytown	10,196	1,132	11.1%
SE41	Dickinson/Galveston	11,330	493	4.4%
SE42	Alvin/Angleton/Lake Jackson	10,672	812	7.6%



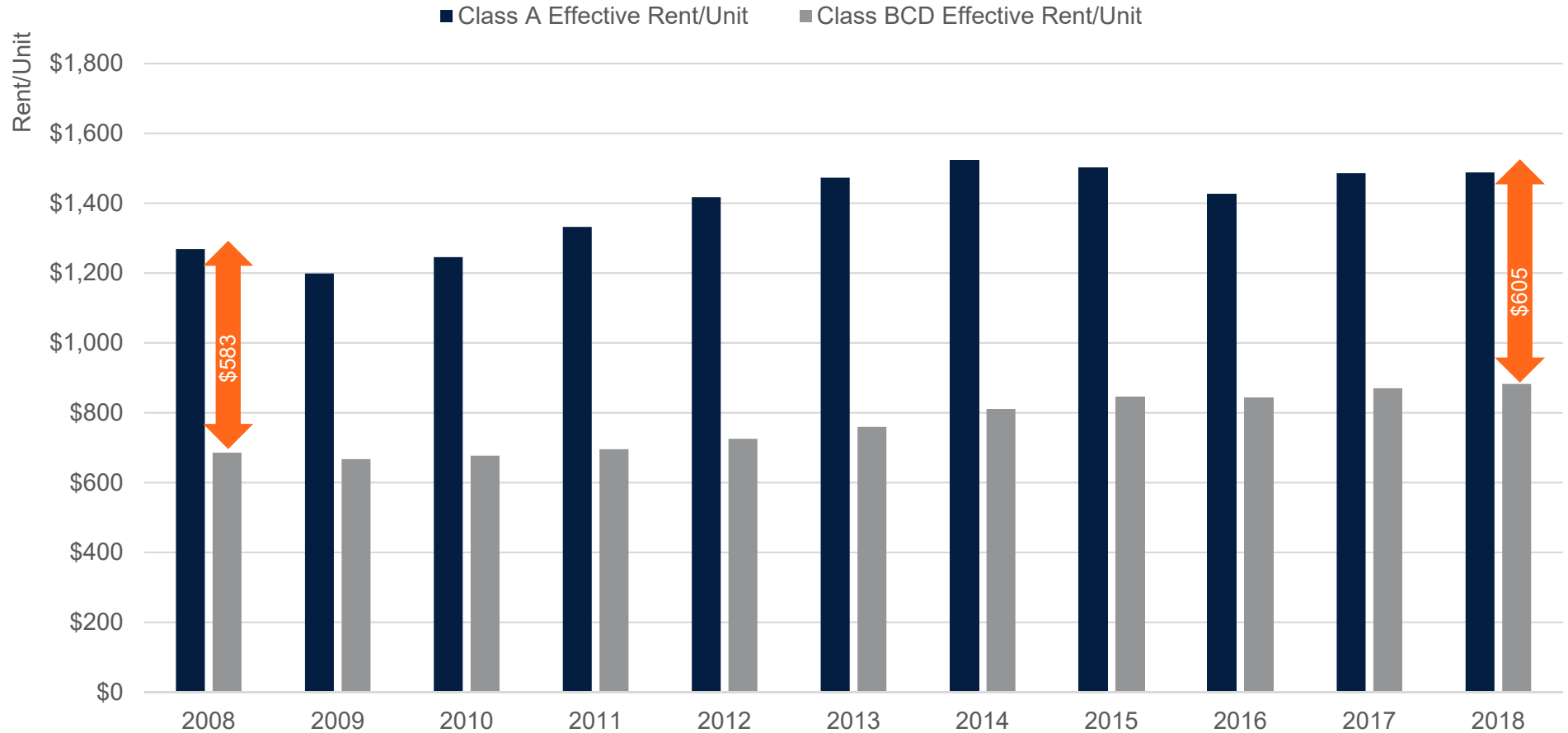
Houston's Most Active Submarkets from 2013-2018

Submarket Name	Existing Supply (units)	Total Units Built Since 2013	% of Total Units	Class A Absorption Since 2013 (units)	5Yr Absorption/ 5Yr Construction	Total Units Leasing	Total Units Under Construction	Current Class A Occupancy	Current Class A Eff Rent/SF	5Yr Eff Rent Growth
Central Houston										
Montrose/Museum/Midtown	13,618	6,514	47.8%	5,304	81.4%	1,088	2,234	87.4%	\$1.89	2.6%
Highland Village/Upper Kirby/West U	16,504	6,206	37.6%	5,602	90.3%	490	969	92.1%	\$1.83	8.6%
Med Center/Braes Bayou	23,507	4,810	20.5%	3,852	80.1%	1,293	462	90.0%	\$1.60	6.7%
Heights/Washington Ave	10,937	4,107	37.6%	3,673	89.4%	433	2,099	91.0%	\$1.79	6.6%
Downtown	5,952	3,859	64.8%	2,969	76.9%	1,597	271	84.0%	\$2.11	16.6%
Galleria/Uptown	24,148	4,679	19.4%	3,982	85.1%	1,077	559	88.1%	\$1.74	-0.2%
Southwest Houston										
Woodlake/Westheimer	12,233	1,762	14.4%	1,538	87.3%	387	0	88.8%	\$1.49	-6.7%
Energy Corridor/CityCentre/Briar Forest	33,163	7,891	23.8%	6,250	79.2%	2,002	0	81.9%	\$1.57	-14.3%
Sugar Land/Stafford/Sienna	12,896	2,133	16.5%	1,572	73.7%	198	672	85.8%	\$1.51	51.3%
Northwest Houston										
Bear Creek/Copperfield/Fairfield	16,622	3,623	21.8%	3,030	83.6%	0	612	95.2%	\$1.31	13.6%
Katy/Cinco Ranch/Waterside	25,084	10,235	40.8%	8,581	83.8%	1,152	3,218	86.7%	\$1.29	6.6%
Tomball/Spring	13,497	8,161	60.5%	6,733	82.5%	1,340	982	85.5%	\$1.32	22.4%
Woodlands/Conroe South	19,702	6,574	33.4%	5,115	77.8%	719	386	88.7%	\$1.39	-7.9%
Conroe North/Montgomery	8,649	1,693	19.6%	1,529	90.3%	0	0	93.0%	\$1.22	15.5%
Northeast Houston										
Lake Houston/Kingwood	12,674	1,988	15.7%	1,407	70.8%	318	1,160	81.5%	\$1.27	17.5%
Southeast Houston										
Hwy 288 South/Pearland West	12,167	2,796	23.0%	2,091	74.8%	568	0	81.1%	\$1.41	21.4%
Baytown	10,196	1,132	11.1%	914	80.7%	383	265	86.2%	\$1.33	16.1%

Houston Historical and Projected Rent Growth

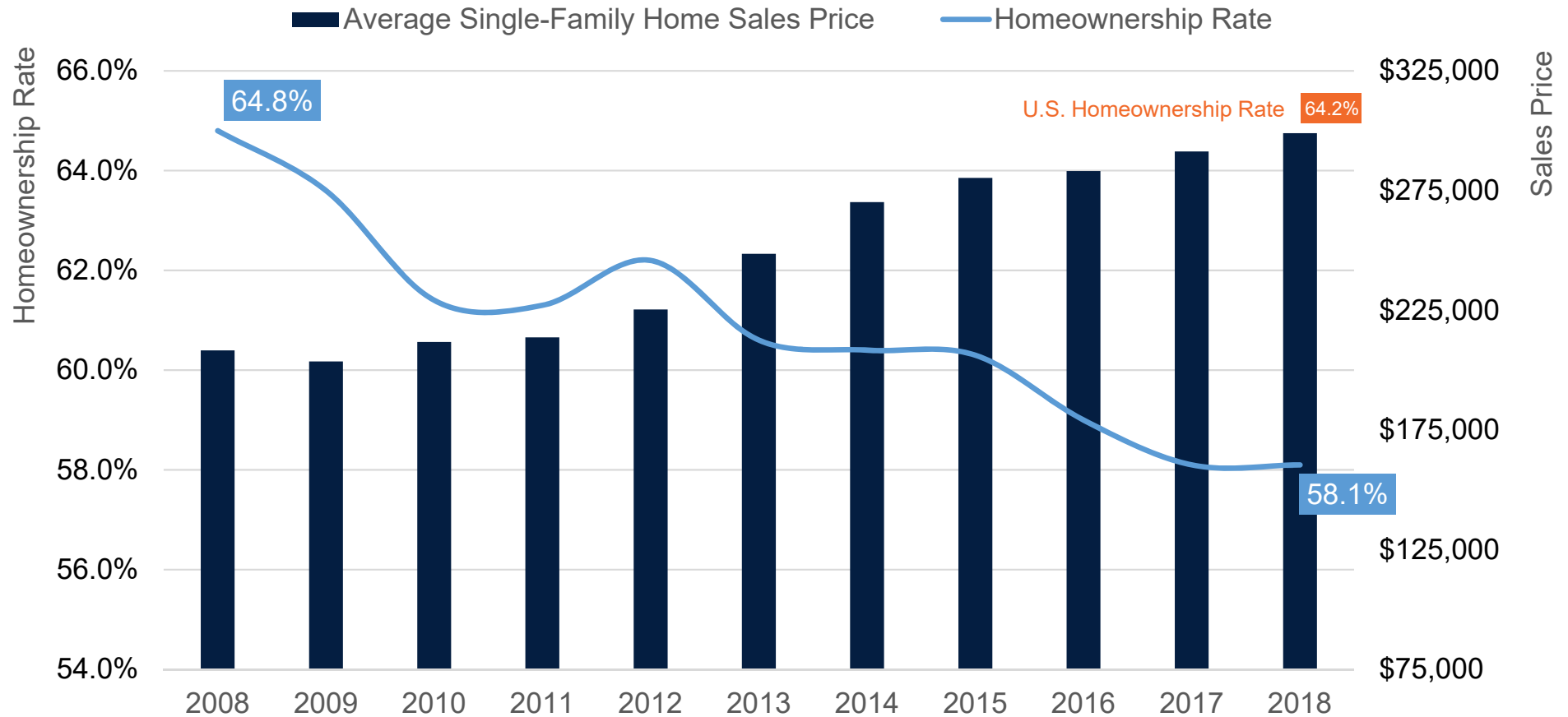


Houston Historical Rent Gap



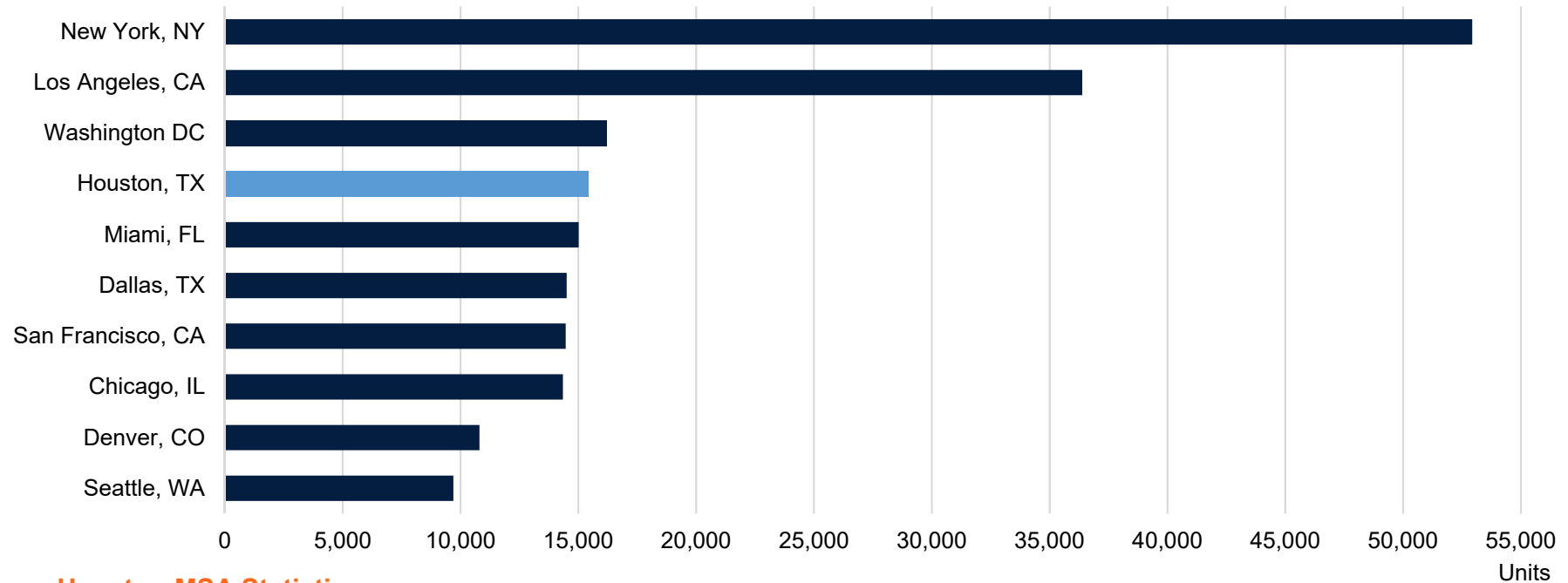
Declining Homeownership Indicative of Trends That Favor Renting

Houston MSA



Houston Multi-Housing State of the Market - Trends

Top 10 Metros with Highest Demand Projected from 2018 to 2020



Houston MSA Statistics

#4

2-Yr Demand Ranking

#5

5-Yr Demand Ranking

Houston is one of a handful of metros where demand is expected to exceed supply by more than 1%.

Houston MH Trade Volume Hit New Historical High in 2018



	2009	2010	2011	2012	2013	2014	2015	2016	2017	Prelim 2018
Volume (\$)	\$838,429,942	\$1,584,118,971	\$2,455,695,064	\$3,488,404,186	\$4,981,173,038	\$5,711,113,002	\$4,707,283,406	\$5,081,294,152	\$4,503,399,993	\$7,681,268,236
Volume (Units)	18,983	27,895	46,915	56,889	68,297	73,752	62,579	61,609	47,064	69,985
Transactions (#)	76	101	157	201	252	296	229	250	193	280
Avg Deal Size (\$)	\$15,076,341	\$20,082,686	\$19,385,563	\$21,704,147	\$22,495,817	\$22,429,281	\$23,595,230	\$24,212,556	\$26,921,818	\$34,106,260
Avg Deal Size (\$/Unit)	\$48,879	\$60,351	\$45,663	\$72,741	\$95,835	\$97,425	\$83,026	\$71,309	\$101,918	\$121,636
Avg Cap Rate	7.28%	6.74%	6.02%	6.64%	7.18%	6.77%	6.62%	6.55%	6.21%	5.68%
# Deals > \$50 M	0	7	3	13	11	21	15	12	14	38
# Deals > \$75 M	0	0	1	2	7	4	1	5	2	9
Largest Deal (\$)	\$40,000,000	\$70,000,000	\$82,100,000	\$87,560,000	\$108,500,000	\$106,180,000	\$114,000,000	\$101,625,000	\$90,500,000	\$133,500,000
Property	Gables Augusta	Boardwalk Town Center	Circle at Hermann Park	La Maison River Oaks	Camden Post Oak	Memorial Heights	33ThirtyThree	Windsor at West University	Hanover Hermann Park	Catalyst
Highest \$/Unit (Central)	\$185,417	\$167,092	\$195,476	\$206,998	\$304,775	\$292,140	\$272,000	\$239,118	\$227,273	\$371,866
Property	Miramar	IMT Uptown Post Oak	Circle at Hermann Park	La Maison River Oaks	Camden Post Oak	M5250	Broadstone Post Oak	Windsor at West University	Hanover Hermann Park	Catalyst
Highest \$/Unit (Suburban)	\$103,209	\$155,556	\$133,179	\$171,000	\$174,167	\$162,037	\$175,505	\$191,083	\$181,000	\$220,000
Property	Avana Sterling Ridge	Boardwalk Town Center	Regency First Colony	The Woodlands Lodge	Retreat at the Woodlands	The Plantation at the Woodlands	The Park at Research Forest	Millenium Six Pines	Telfair Lofts	Ascension on the Bayou

Most Active U.S. Multi-Housing Markets (Trade Volume)

2013	2017	2018	Market	Sales Volume (\$m)	YOY
2	3	1	Los Angeles	9,265	37%
3	1	2	Dallas	9,259	-8%
1	9	3	Manhattan	7,937	76%
4	8	4	Houston	7,681	62%
6	2	5	Atlanta	7,502	-4%
7	13	6	NYC Boroughs	6,423	84%
9	7	7	Phoenix	6,411	33%
11	4	8	Denver	5,131	-23%
13	5	9	Chicago	5,053	0%
8	6	10	Seattle	4,811	-1%
16	12	11	Austin	3,753	6%
5	11	12	DC VA burbs	3,479	-7%
17	10	13	Orlando	3,181	-19%
18	24	14	Raleigh/Durham	3,176	60%
25	18	15	Tampa	2,943	16%
19	19	16	DC MD burbs	2,907	22%
14	35	17	San Francisco	2,810	106%
22	25	18	Charlotte	2,766	44%
27	26	19	Philadelphia	2,670	41%
26	22	20	San Antonio	2,506	15%
28	16	21	Las Vegas	2,201	-18%
10	15	22	Boston	2,184	-25%
24	14	23	No NJ	2,170	-28%
23	33	24	Inland Empire	2,139	44%
29	28	25	Portland	2,127	25%

HFF Houston Recent Multi-Housing Transactions



✓ Pebble Creek Ranch

YOC: 2004 | Units: 240

Submarket: Sugar Land

Cap Rate: 4.82%

Seller: CFH | Buyer: Greystar

Status: Closed Dec-18



✓ Steepleway Downs

YOC: 1983 | Units: 224

Submarket: Jersey Village/Cypress

Cap Rate: 5.02%

Seller: HM Equity | Buyer: RealSource

Status: Closed Nov-18



Morningside Green

YOC: 1983 | Units: 176

Submarket: Jersey Village/Cypress

Cap Rate: 5.25%

Seller: Edgewood | Buyer: Madera

Status: Closed Oct-18



Edge at CityCentre

YOC: 1982 | Units: 284

Submarket: Med Center

Cap Rate: 5.14%

Seller: 29th Street | Buyer: ClearWorth

Status: Closed Oct-18



✓ Villa Helena

YOC: 2007 | Units: 18

Submarket: Montrose/Midtown

Cap Rate: N/A

Seller: Nimes | Buyer: Atlas Bend

Status: Closed Oct-18



✓ Catalyst

YOC: 2017 | Units: 359

Submarket: Downtown

Cap Rate: 3.75%

Seller: Ares | Buyer: Carlyle

Status: Closed Oct-18



✓ WaterWall Place

YOC: 2013 | Units: 322

Submarket: Galleria/Uptown

Cap Rate: 3.71%

Seller: Hines | Buyer: Hasta

Status: Closed Sep-18



Gables West Ave

YOC: 2008 | Units: 397

Submarket: Highland Village/Upper Kirby

Cap Rate: 4.29%

Seller: Gables | Buyer: FPA

Status: Closed Sep-18

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