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**2018**

**DOWNTOWN  
OFFICE STORY**

**EOY 2017 Market Analysis**

# Background

- This is the 34th year of this analysis with this methodology.
- This survey supplements, and does not replace other traditional market surveys: broker, owner, or third-party reports.
- It provides unique insight on the current competitive leasing environment based on analysis of primary data. The results ***assist owners, leasing agents and potential investors make strategic marketing and investment decisions.***
- Buildings in the survey universe have proven the ability to compete for tenants in the downtown Class A and B markets (henceforth classified as Tiers 1, 2 and 3)

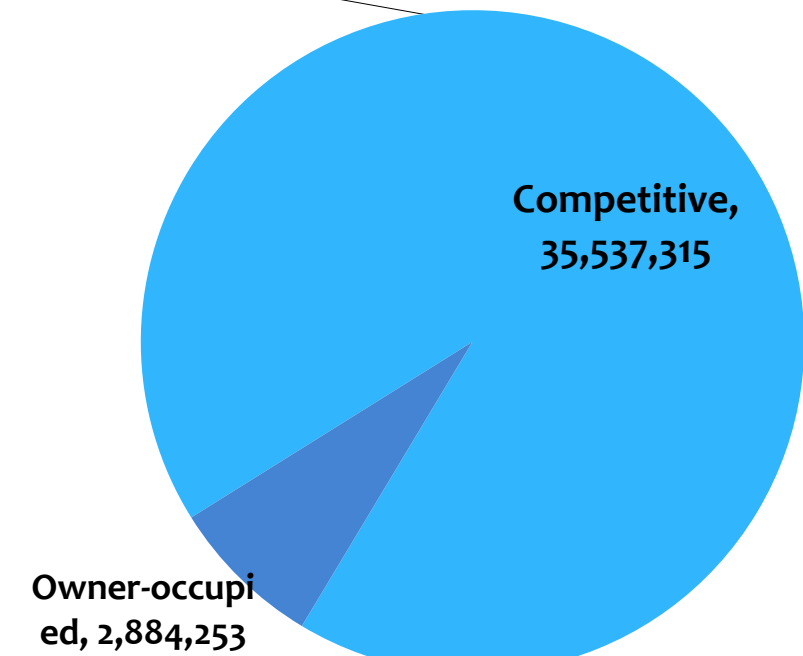
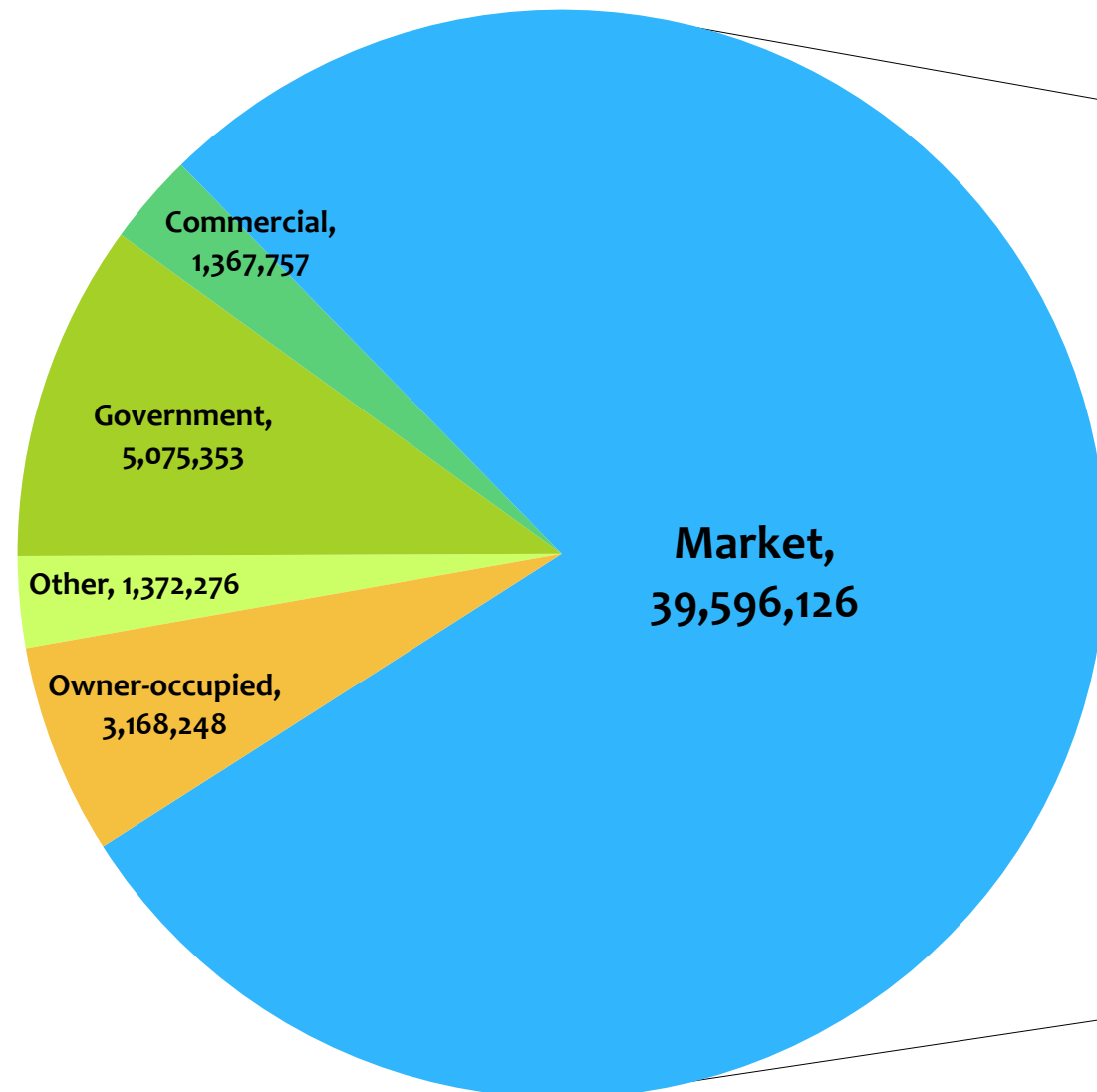
## THE OFFICE STORY

# Background: Office Inventory

- The survey universe includes only competitive office buildings; it does not include owner-occupied buildings

TOTAL Office Inventory:  
50.6 million-SF

Office Story Survey Universe:  
35.5million-SF



\*The 'Competitive' space excludes 800 Bell



THE DOWNTOWN STORY

# Survey Universe

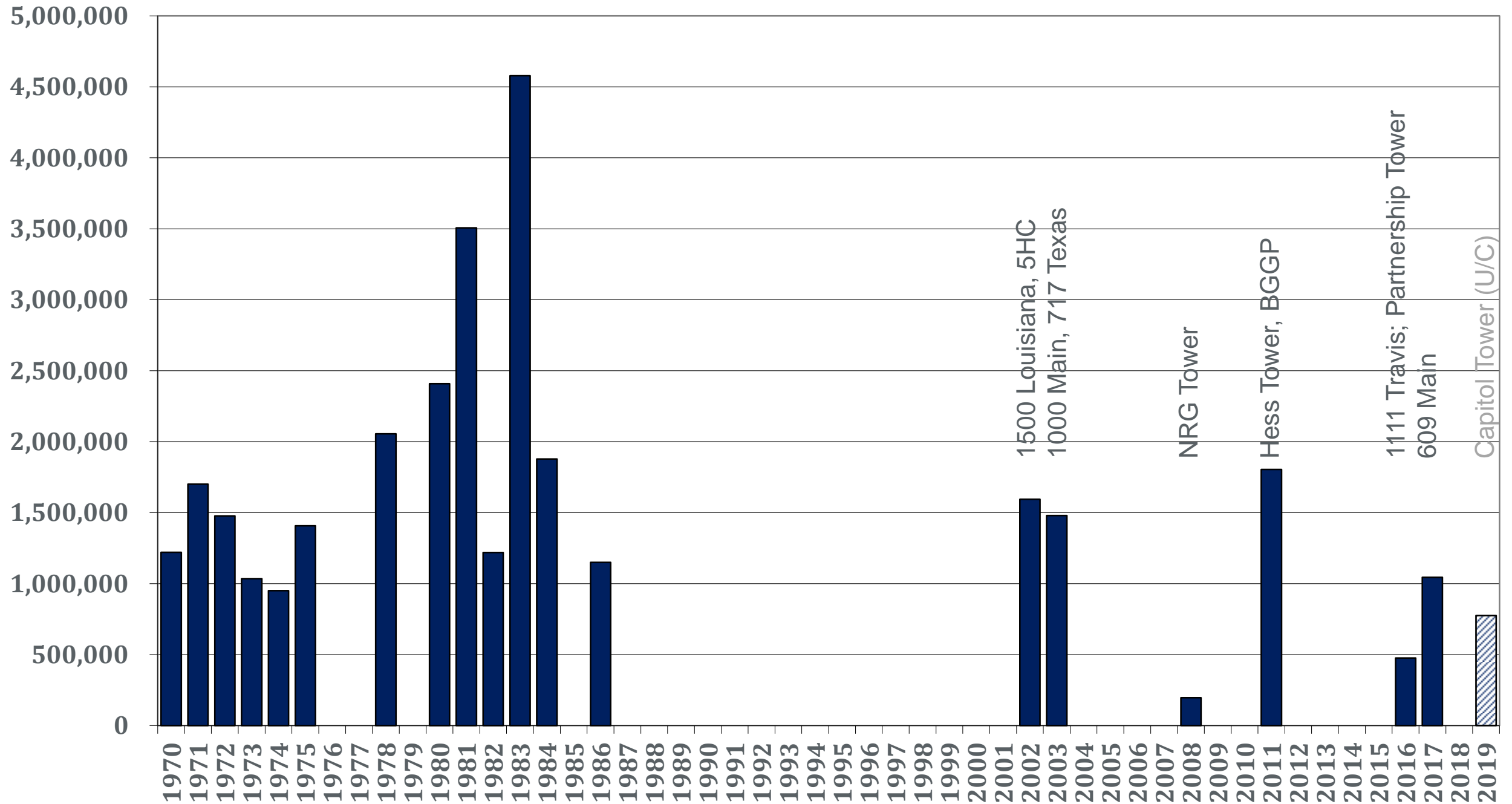
- The survey universe includes only competitive office buildings; it does not include owner-occupied buildings

		# of Bldgs	Rentable SF
Class A	Tier 1	11	11,255,565
	Tier 2	13	14,274,347
Class B	Tier 3	22	10,007,403
<b>Total</b>		<b>46</b>	<b>35,537,315</b>

Not included: 1500 Louisiana, 1400 Smith, 1111 Travis and Partnership Tower (all owner occupied); 800 Bell

# Building Deliveries

Square Feet Built per Year





# OFFICE

## Building Renovations: Since 2000

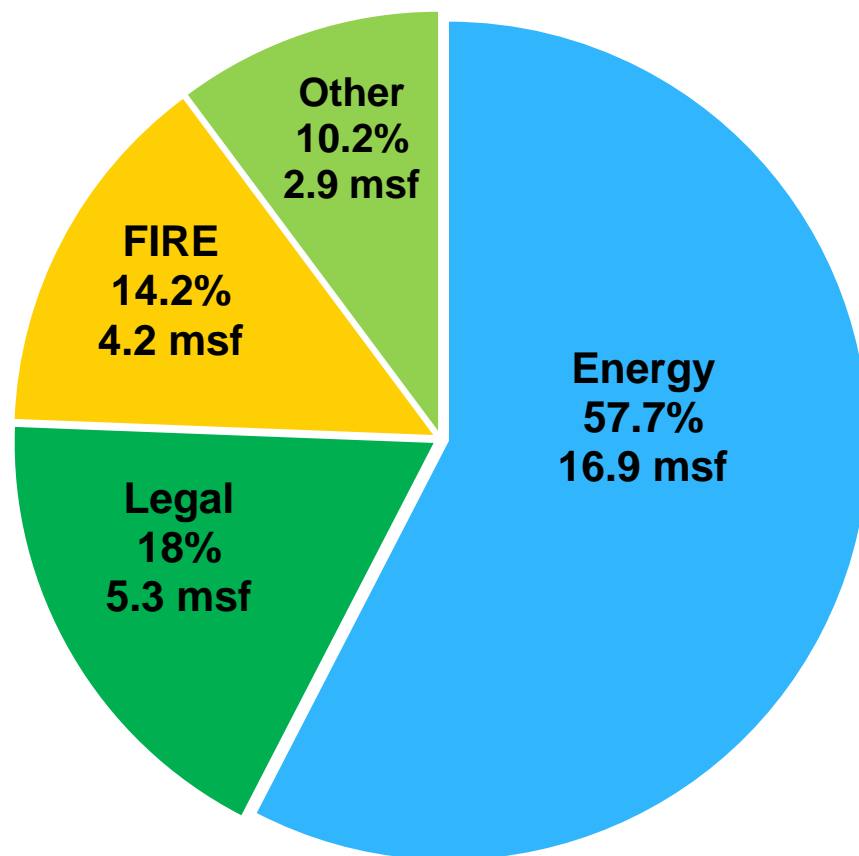
Building	Year	Year
Heritage Plaza	2000	2009
1001 McKinney	2000	2015
Bank of America Center	2001	2018
The Jones on Main – 708 Main	2002	2017
The Jones on Main – 712 Main	2002	2017
The Shops at Houston Center	2004	
1001 Fannin (First City Tower)	2005	
500 Jefferson	2005	
919 Milam	2007	2012
GreenStreet - 1201 Fannin / NRG Tower	2008	2016
1301 Fannin	2009	
801 Louisiana	2009	
One City Centre (1021 Main)	2010	
Kinder Morgan Tower	2011	
601 Travis	2011	
600 Travis (JP Morgan Chase Tower)	2012	
One Shell Plaza (910 Louisiana)	2012	
Pennzoil Place	2013	
Esperson	2014	2016
811 Louisiana / Two Shell	2015	
1000 Main	2016	
Lyric Center	2016	2017/8
1415 Louisiana	2016	
1801 Smith (formerly 600 Jefferson)	2017	
One Allen - Motiva Plaza	2018	
LyondellBasell Tower	ongoing	
2 Houston Center	ongoing	
Fulbright Tower	ongoing	
4 Houston Center	ongoing	
5 Houston Center	ongoing	
Two Allen	planned	
Three Allen	planned	

} Flight to quality

# Office Space Use by Industry

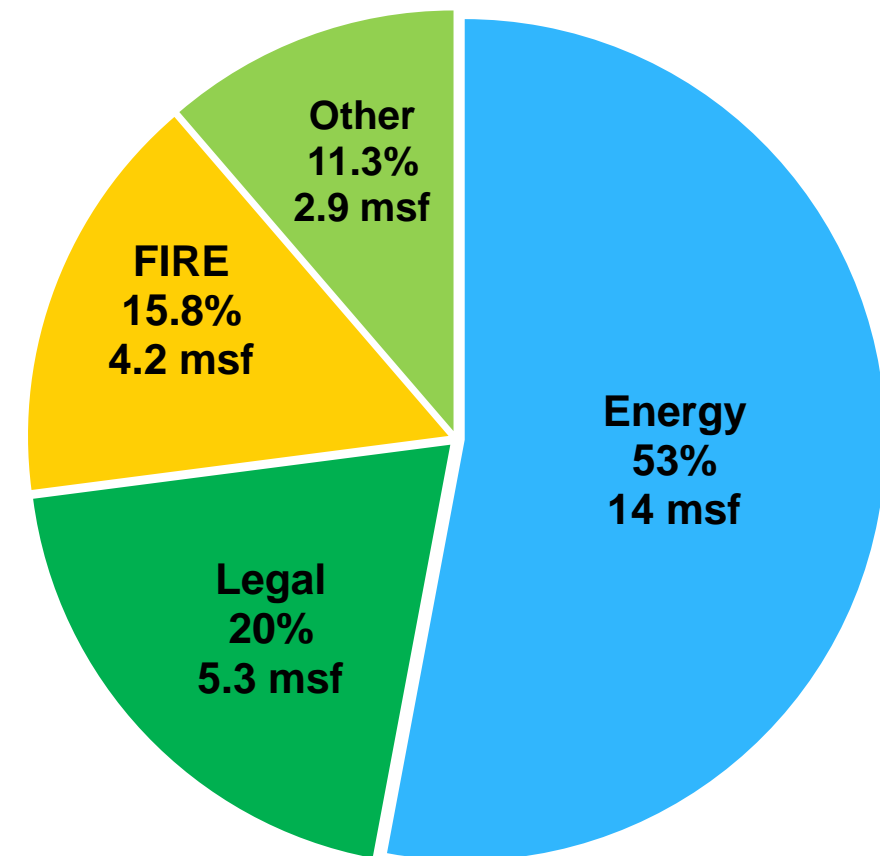
As of 1/1/2018

## Including owner-occupied buildings



- **29.3** million sf of leased space in downtown's Class A and B office buildings.
- Owner-occupied buildings included here: 1500 Louisiana, 1400 Smith, 1111 Travis, Partnership Tower

## Properties in the survey universe



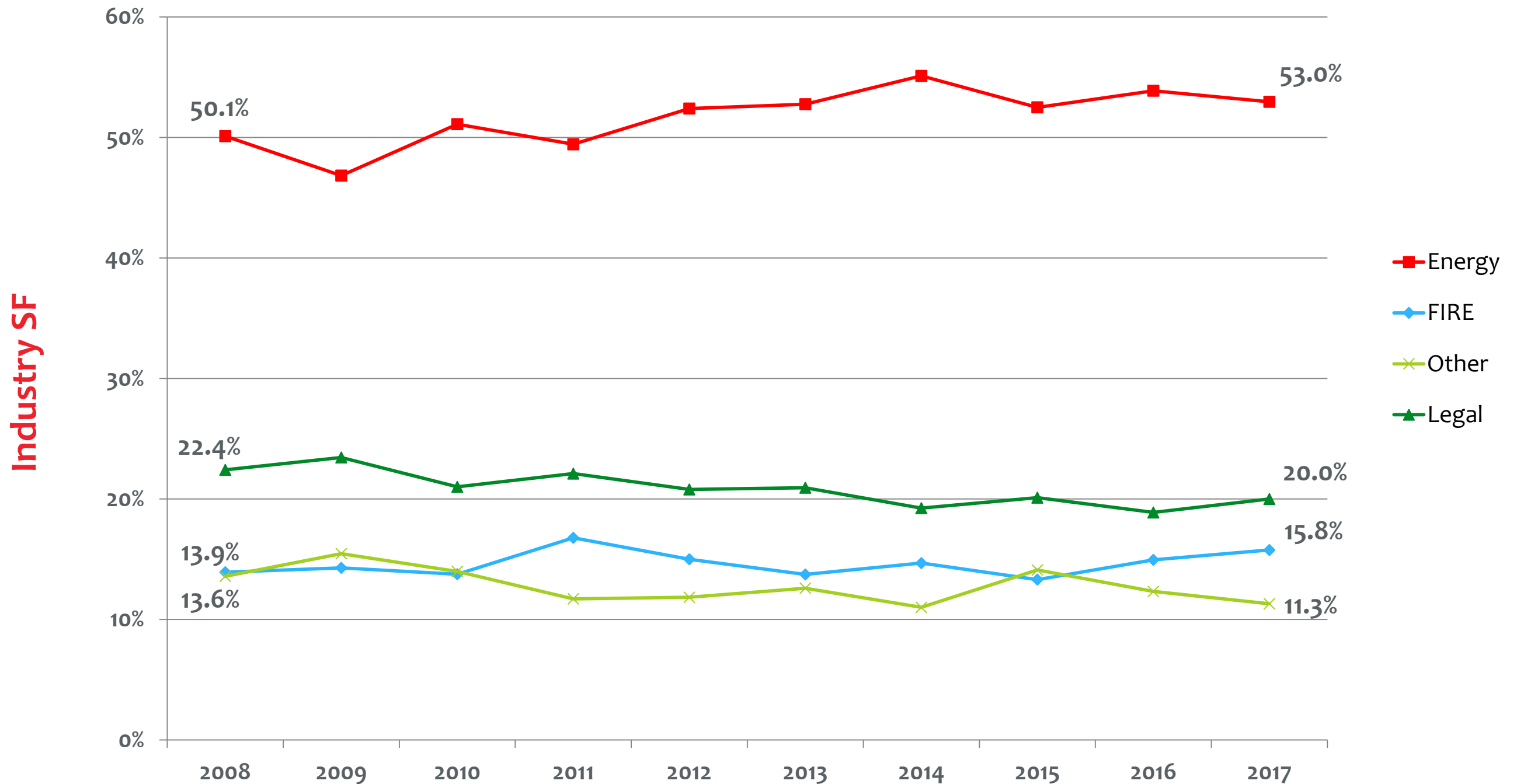
- **26.4** million sf of leased space in downtown's Class A and B office buildings.
- Excludes owner-occupied buildings

- Energy includes exploration and production, pipelines, utilities, chemical companies, and service companies such as KBR.
- FIRE = Finance, Insurance, Real Estate
- "Other" includes companies such as Waste Management and United Airlines



# Trends in Office Building Use by Industry

Properties in the Survey Universe, 2008 - 2017

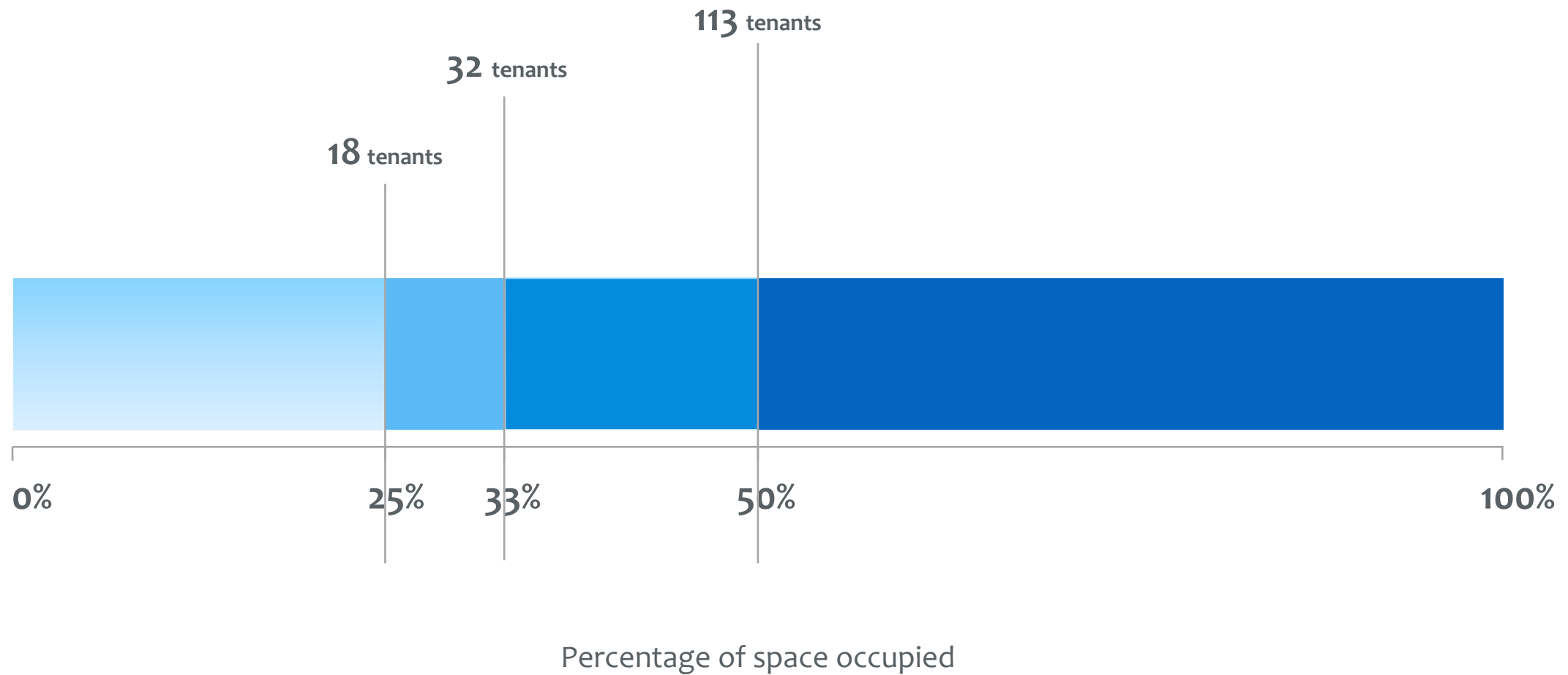






# Large Tenants in Building Universe

## Tenants by % of space occupied



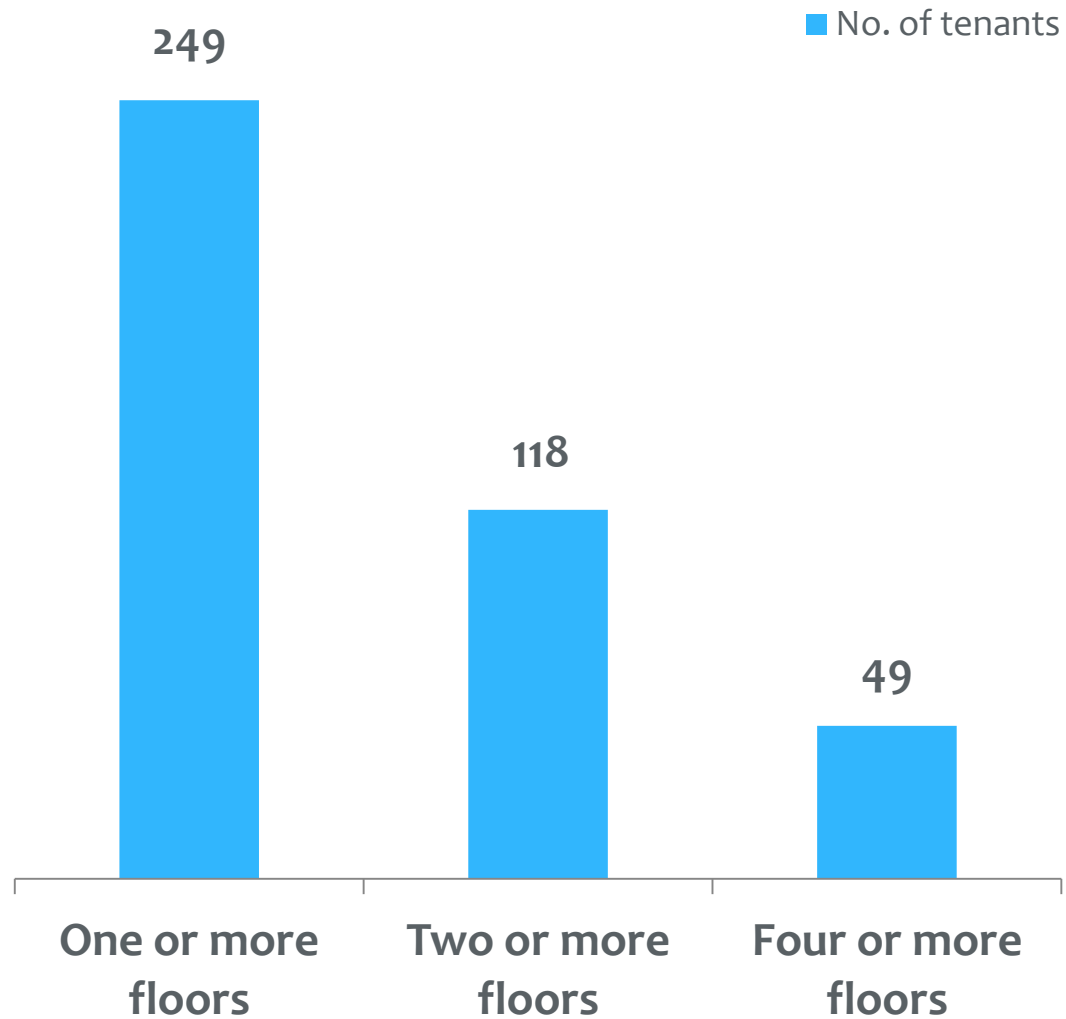
18 tenants occupied 25 percent of the space in 2017, **up** from 14 tenants in 2016

32 tenants occupied 33 percent of the space in 2017, **up** from 26 tenants in 2016

113 tenants occupied 50 percent of the space in 2017, **up** from 78 tenants in 2016

# Large Tenants in Building Universe

## Tenants by number of floors

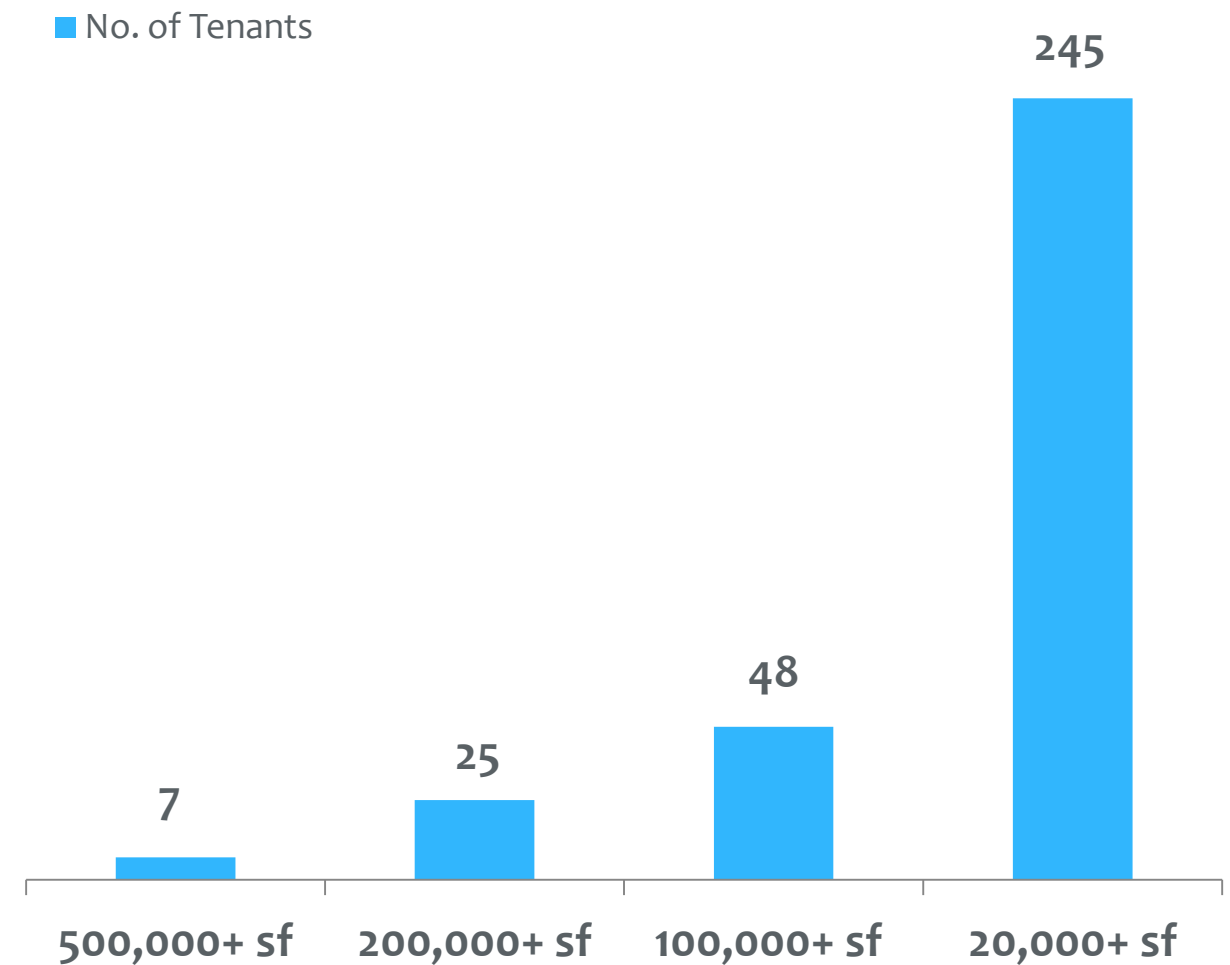


249 tenants occupied one or more floors (down from 305 tenants the year prior)

118 tenants occupied two or more floors (down from 134 tenants the year prior)

49 tenants occupied four or more floors (down from 65 tenants the year prior)

## Tenants by square footage



7 tenants occupied 500,000-SF or more (up from 6 tenants the year prior)

25 tenants occupied 200,000-SF or more floors (down from 26 tenants the year prior)

48 tenants occupied 100,000-SF or more floors (down from 53 tenants the year prior)

245 tenants occupied 20,000-SF or more floors (up from 239 tenants the year prior)

# Large Tenants in Building Universe

## Summary

### Tenants by number of floors

One or more floors	249
Two or more floors	118
Four or more floors	49

### Tenants by square footage

20,000+ sf	245
100,000+ sf	48
200,000+ sf	25
500,000+ sf	7

### Tenants by % of survey universe

25%	18
33%	32
50%	113



# Summary Data

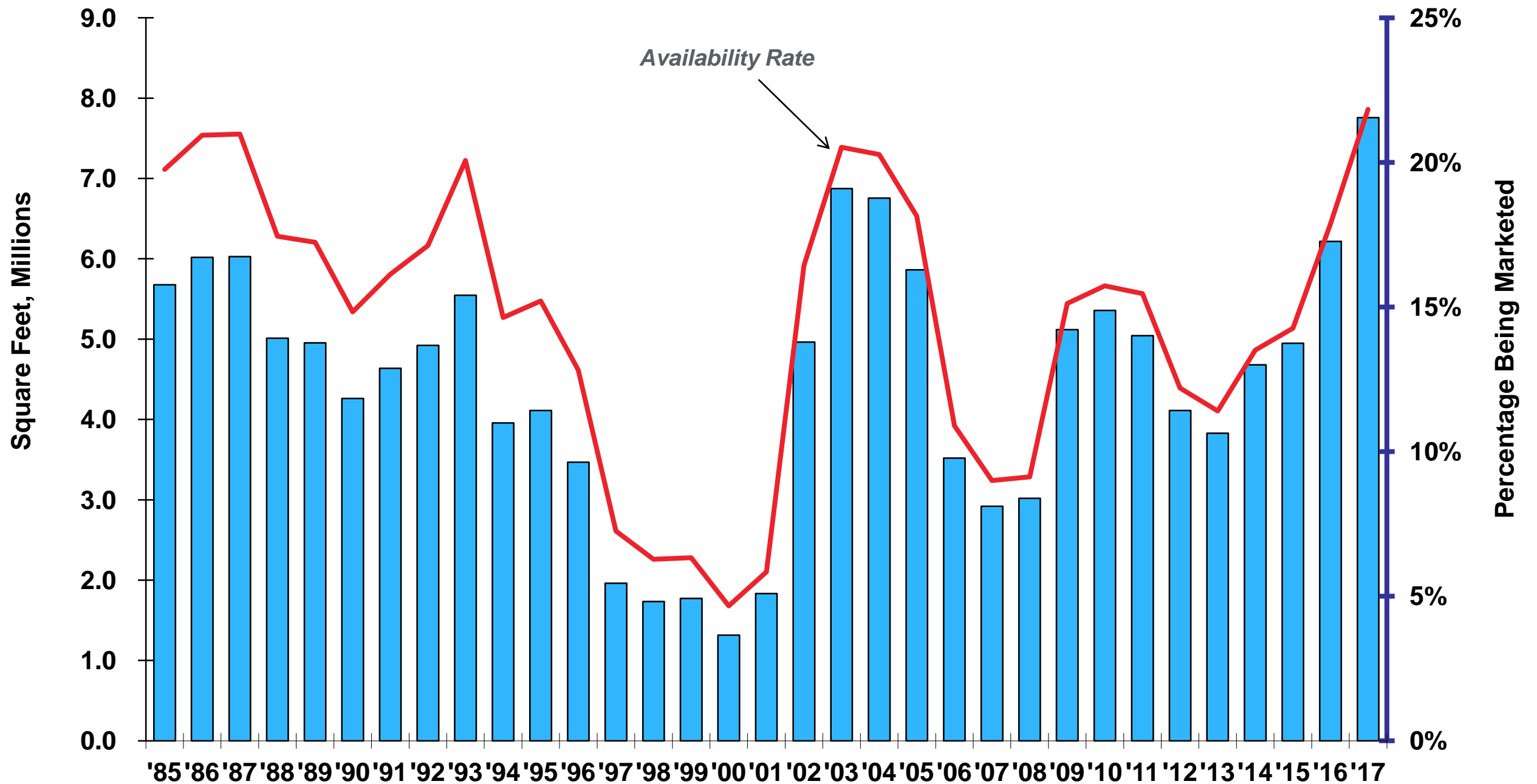
	Year Ending 2017	Year Ending 2016
Survey Universe	35,537,315	34,774,128
Space Being Marketed ( <b>Direct</b> )	7,758,499	6,216,888
Percent Being Marketed ( <b>Direct</b> )	21.8%	17.9%
Space Being Marketed ( <b>Sublease</b> )	1,819,523	2,649,038
Percent Being Marketed ( <b>Sublease</b> )	5.1%	7.6%
<b>Total Space Being Marketed</b>	<b>9,578,022</b>	<b>8,865,926</b>
<b>Percent Being Marketed (Total)</b>	<b>27%</b>	<b>25.5%</b>
<b>Leases Signed (Direct)</b>	<b>4,720,602</b>	<b>3,630,283</b>
Change in Space Being Marketed (Direct)	(591,933)	(1,108,553)

## Definitions – Availability

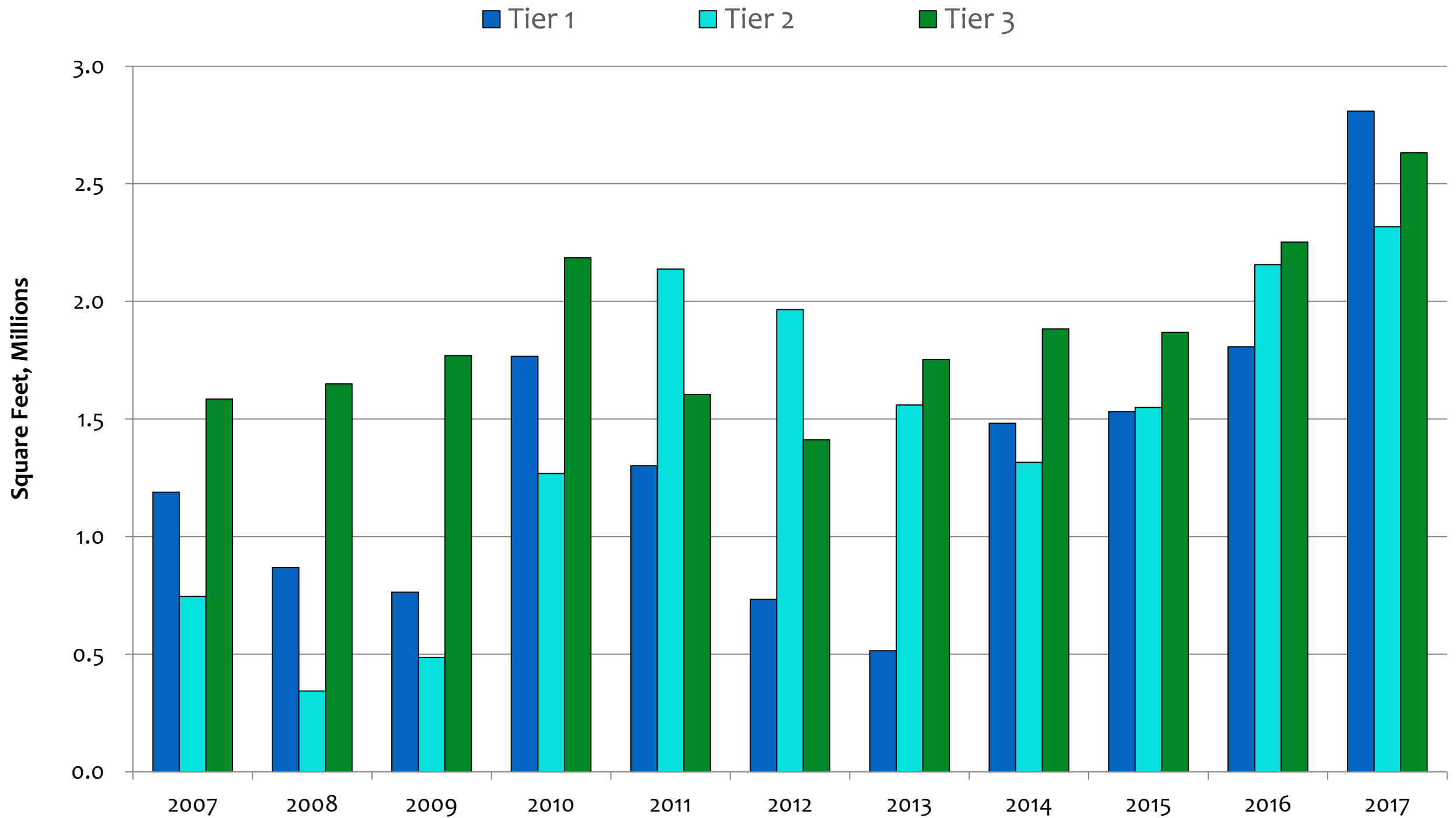
- **Space Being Marketed / Available:** Any office space being marketed, even if occupied and leased. If it is being marketed, it is competing against other space.
- **Availability rate:** Direct office space being marketed divided by the total amount of office space in this survey universe.

# Historical Space Being Marketed, *By Size/Year*

As of 1/1/18

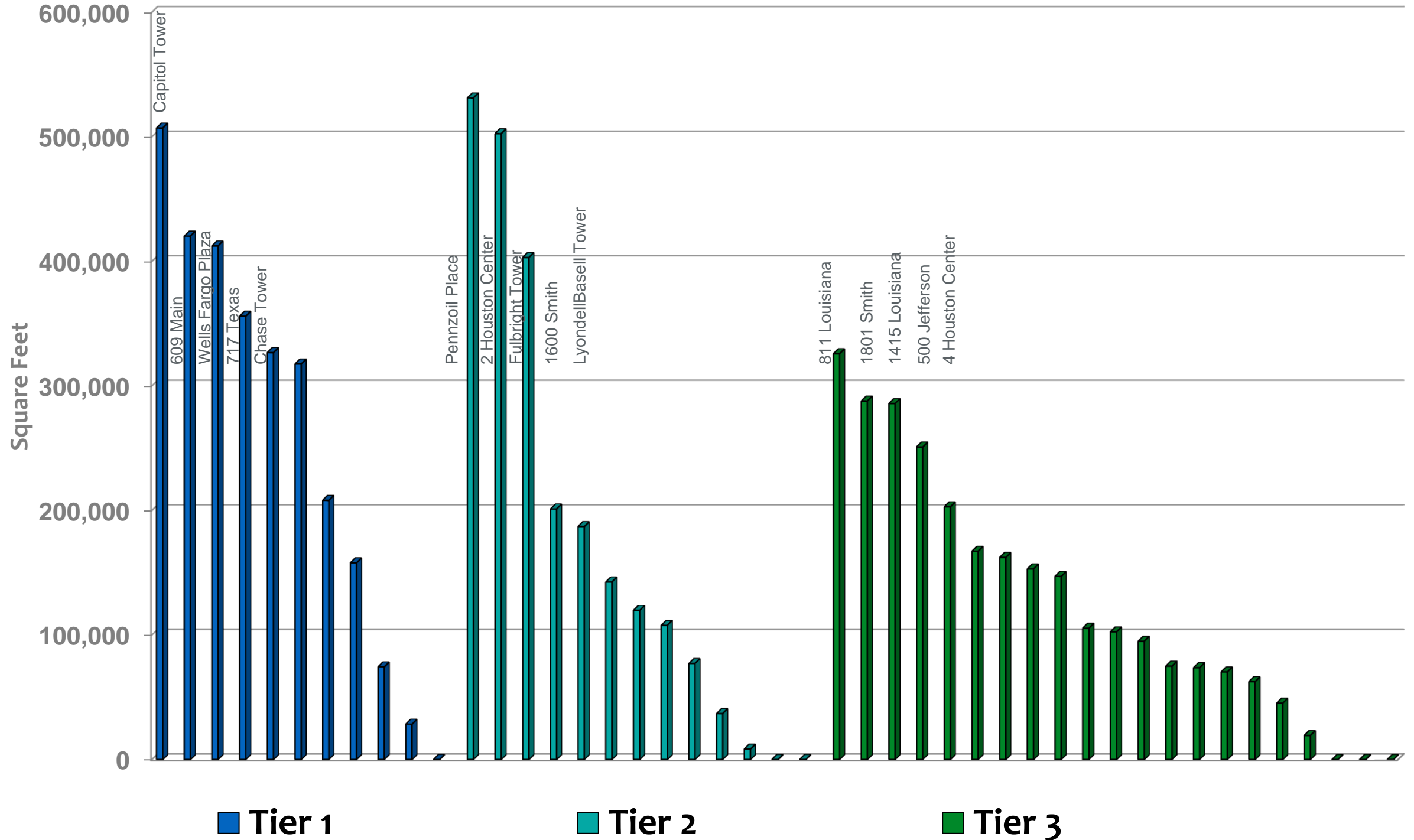


# Historical Space Being Marketed, *By Tier*



# Space Being Marketed by Building

As of 1/1/2018







## DIRECT &amp; SUBLEASE SPACE

**Contiguous Space**

As of 2/15/2018

Tier	Building	Floors	SF	Avail	Former Tenant
1	Capitol Tower	12, 20-34	493,596	Immed.	New
1	717 Texas	16-28	355,908	Immed.	Freeport McMoRan
2	2 Houston Center	4-10, 14-15	326,633	Immed.	Shell + Argent
2	Pennzoil - North Tower	6-12, 25-26, 28-36	325,239	Immed.	Freeport + new
1	Wells Fargo Plaza	2-3, 30-35, 43-46, 62-63	313,727	Immed.	Gardere
1	609 Main	24-34	312,589	Immed.	New
2	1100 Louisiana	25-34, 36-38	294,759	Immed.	Enbridge
2	One Shell Plaza	27-31, 41-46	279,656	Immed.	Shell
3	811 Louisiana	10-17	252,363	Immed.	Shell
3	1801 Smith	4-5, 11-19	235,542	Immed.	United Airlines
3	500 Jefferson	3-13	213,665	Immed.	KBR
1	600 Travis	8-11, 18-20, 22-24	212,900	Immed.	Winstead/ Kirkland & Ellis
3	1201 Fannin – NRG	3-11	204,631	11/1/2018	NRG
3	1415 Louisiana	18-20, 25-26, 29-32, 37-38	181,243	Immed.	Eagle Rock, Sabine, and other
2	Fulbright Tower	25-27, 38-39, 41-42	177,551	Immed.	Norton Rose / Pulse Network LLC
1	5 Houston Center	21, 23-27 [P25]	174,039	Immed.	McKinsey, QEM + new
2	1600 Smith	9-12, 15-16, 48-49	163,251	Immed.	United Airlines
1	Bank of America Center	4-6, 18-19, 51-52	157,004	10/2019 (BOA)/ Immed.	Bank of America/ Piper Jaffrey
1	1000 Main	19-23	144,394	Immed.	Shell/ Gen On (formerly Reliant)
3	919 Milam	6-7, 12-13, 16-17	132,664	Immed.	Valerus + new
2	Kinder Morgan Tower	20-23	125,793	Immed.	EP Energy
1	Hess Tower	6-9	123,975	Immed.	Hess
3	KBR Tower (601 Jefferson)	6-10	123,040	Immed.	KBR
3	Total Plaza	11-15	121,005	Immed.	Hilcorp
1	LyondellBasell Tower	26-27, 38-40	119,586	Immed.	Merrill Lynch
2	Pennzoil - South Tower	7-11	103,187	Immed.	Gensler + new
		<b>TOTAL:</b>	<b>5,667,940</b>		

# Full-Floor Sublease Spaces

*With term as of 3/7/2018*

Tier	Building	Description	Exp	SF
2	1100 Louisiana	25-34, 36-38 (Enbridge)	Apr. 2025	294,759
3	1201 Fannin – NRG Tower	3-11 (NRG)	Dec. 2020	204,631
2	One Shell Plaza	41-46 (Shell)	Dec. 2025	153,832
2	Kinder Morgan Tower	20-23 (EP Energy)	Aug. 2025	125,793
1	Hess Tower	6-9 (Hess)	Jun. 2026	123,975
3	KBR Tower (601 Jefferson)	6-10 (KBR)	Jun. 2030	123,040
3	919 Milam	6-7, 9, 12-13 (Valerus Compression)	Jun. 2023	109,185
3	1300 Main	6-9 (NRG Energy)	Dec. 2020	84,644
1	Heritage Plaza	14-15 (Rosetta Resources)	Aug. 2023	53,389
3	1301 Fannin	14-15 (Exxon)	Oct. 2019	51,968
2	Three Allen Center	24-25 (Oiltanking)	Jan. 2020	48,560
2	Three Allen Center	3, 6 (Devon)	Jan. 2020	41,951
1	1000 Main	31 (Shell)	Dec. 2025	29,675
2	1001 Fannin	28 (Vinson & Elkins)	Oct. 2021	28,065
2	Two Allen Center	5 (Devon)	Jan. 2020	27,759
1	Wells Fargo Plaza	39 (McDermott)	Aug. 2018	25,580
1	600 Travis	24 (Locke Lord)	Jan. 2027	21,588
2	1100 Louisiana	55 (Vitol)	Apr. 2021	19,491

**TOTAL: 1,567,885**

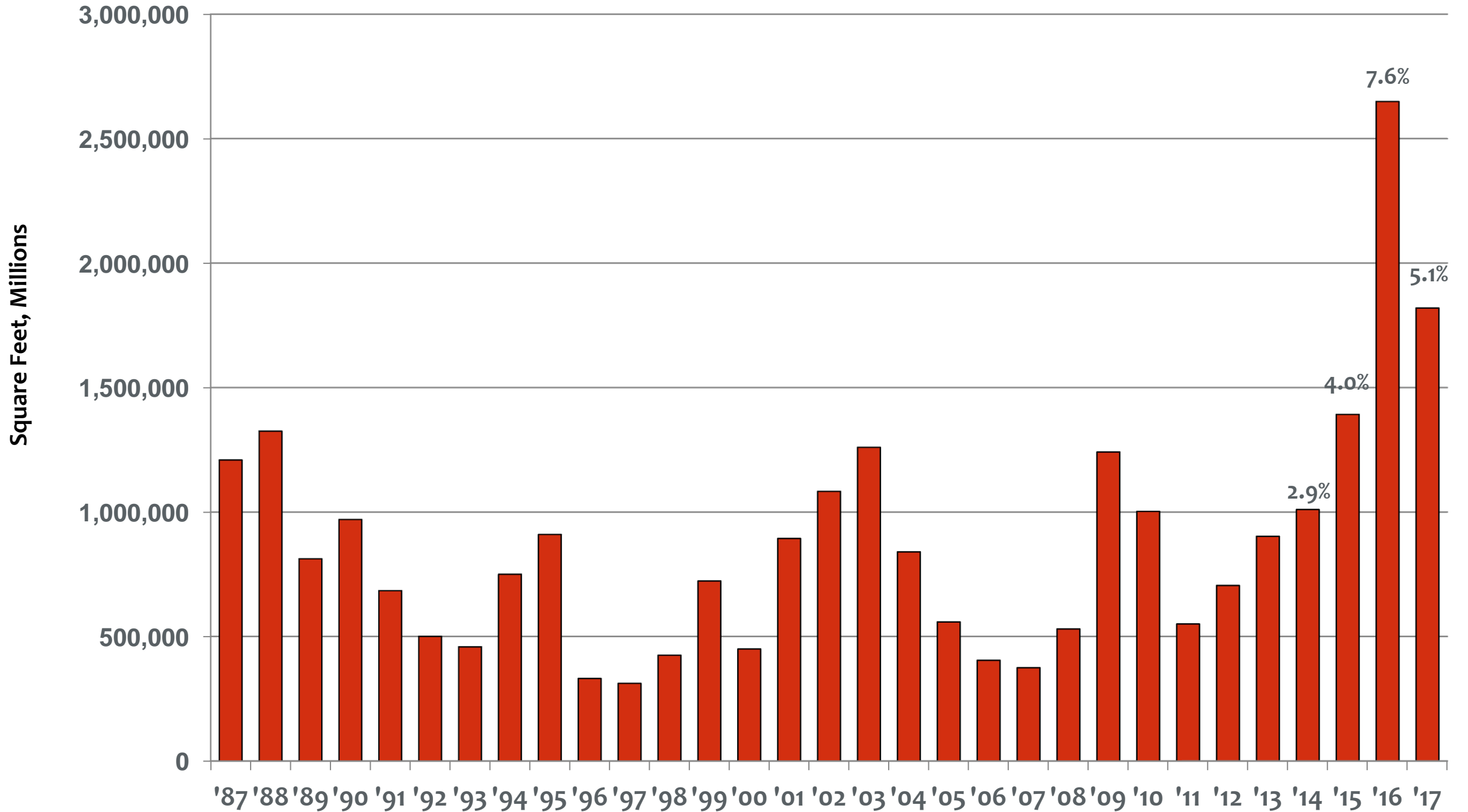
# Full-Floor Sublease Spaces

*Sorted by Termination date, with term as of 3/7/2018*

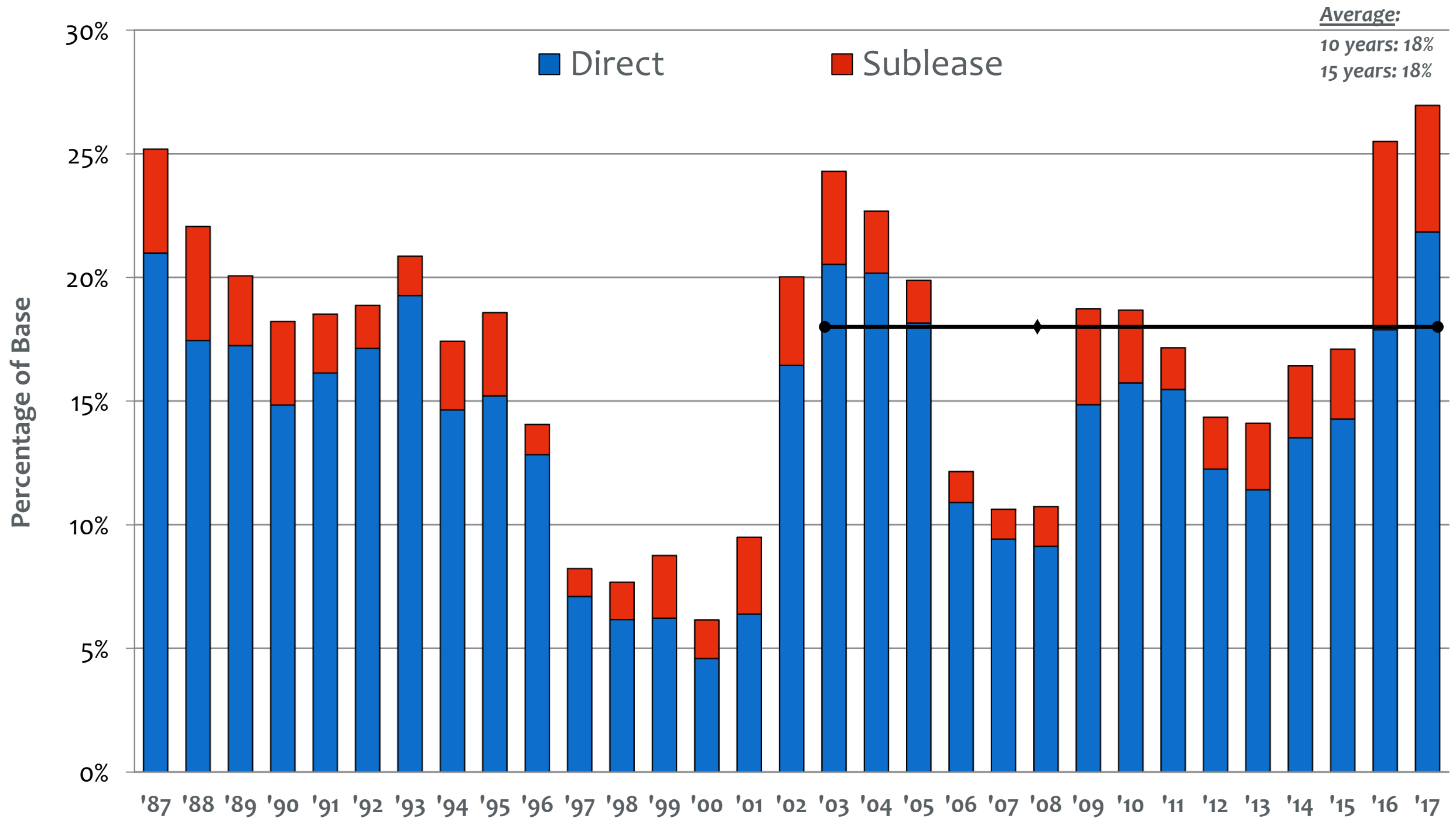
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1	Hess Tower	6-9 (Hess)	123,975	Jun. 2026
1	600 Travis	24 (Locke Lord)	21,588	Jan. 2027
3	KBR Tower (601 Jefferson)	6-10 (KBR)	123,040	Jun. 2030
			<b>TOTAL:</b>	<b>1,567,885</b>

# Historical Sublease Available

As of 1/1/18



# Historical Space Being Marketed

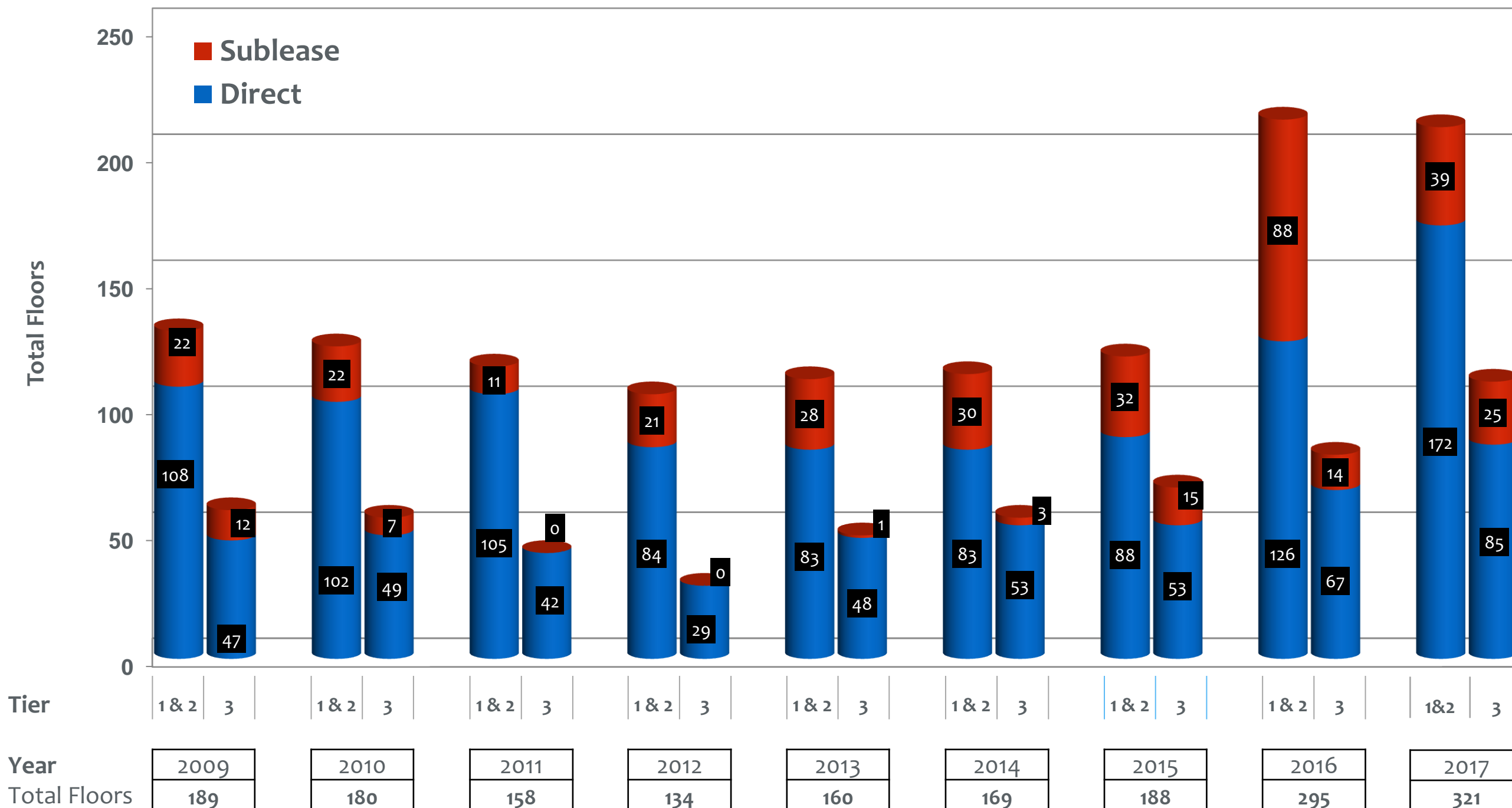




# DIRECT & SUBLEASE SPACE

## Full Floors Available

As of 1/1/2018



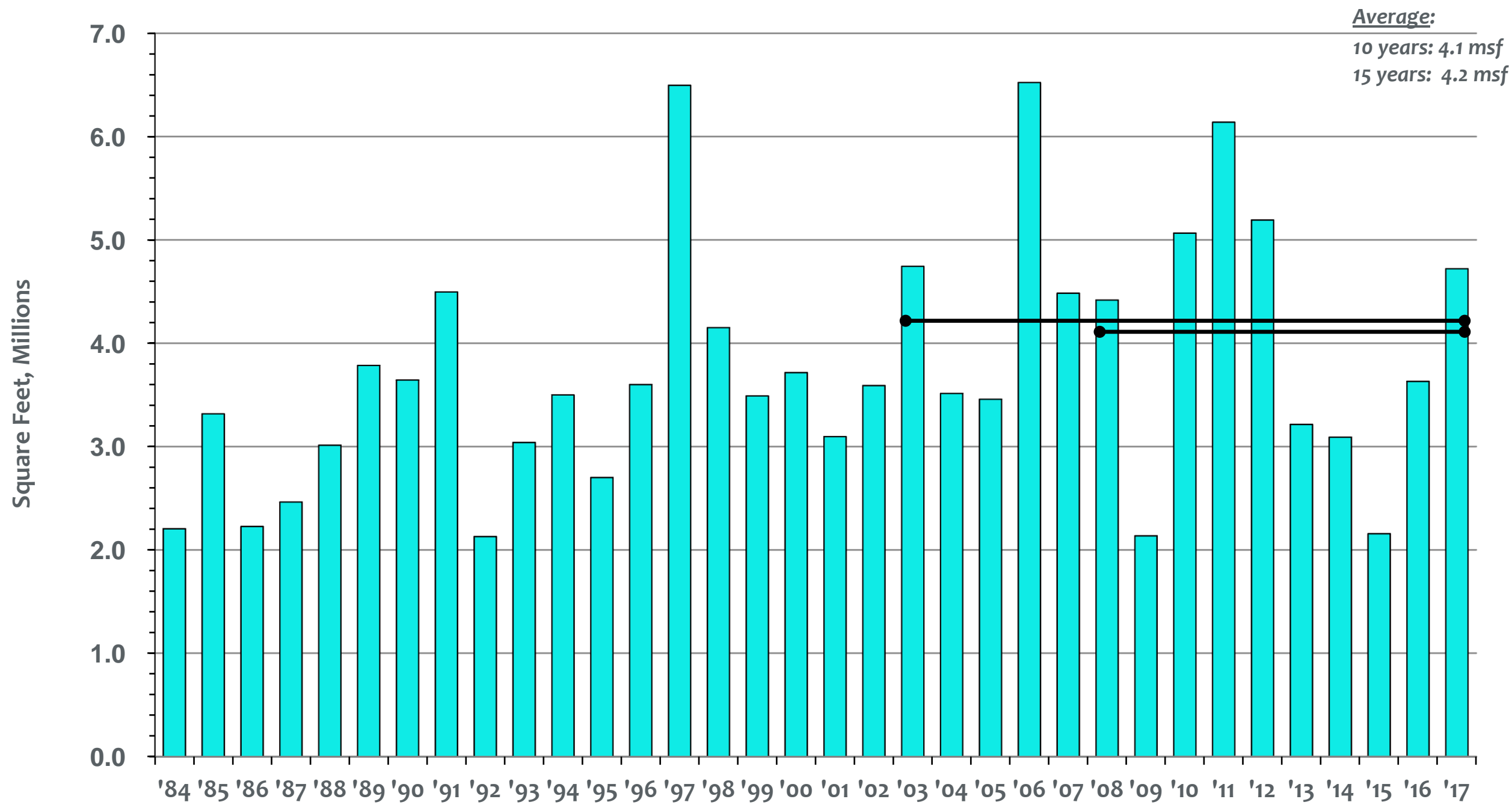
## Definition – Leasing Activity

- Any lease signed during the year, no matter when occupancy is to take place.
  - CoStar’s definition: “The volume of square footage that is committed to and signed under a lease obligation for a specific building or market in a given period of time. It includes direct leases, subleases and renewals of existing leases. It also includes any pre-leasing activity in planned, under construction or under renovation buildings.”



# Historical Leasing Activity

In millions of SF

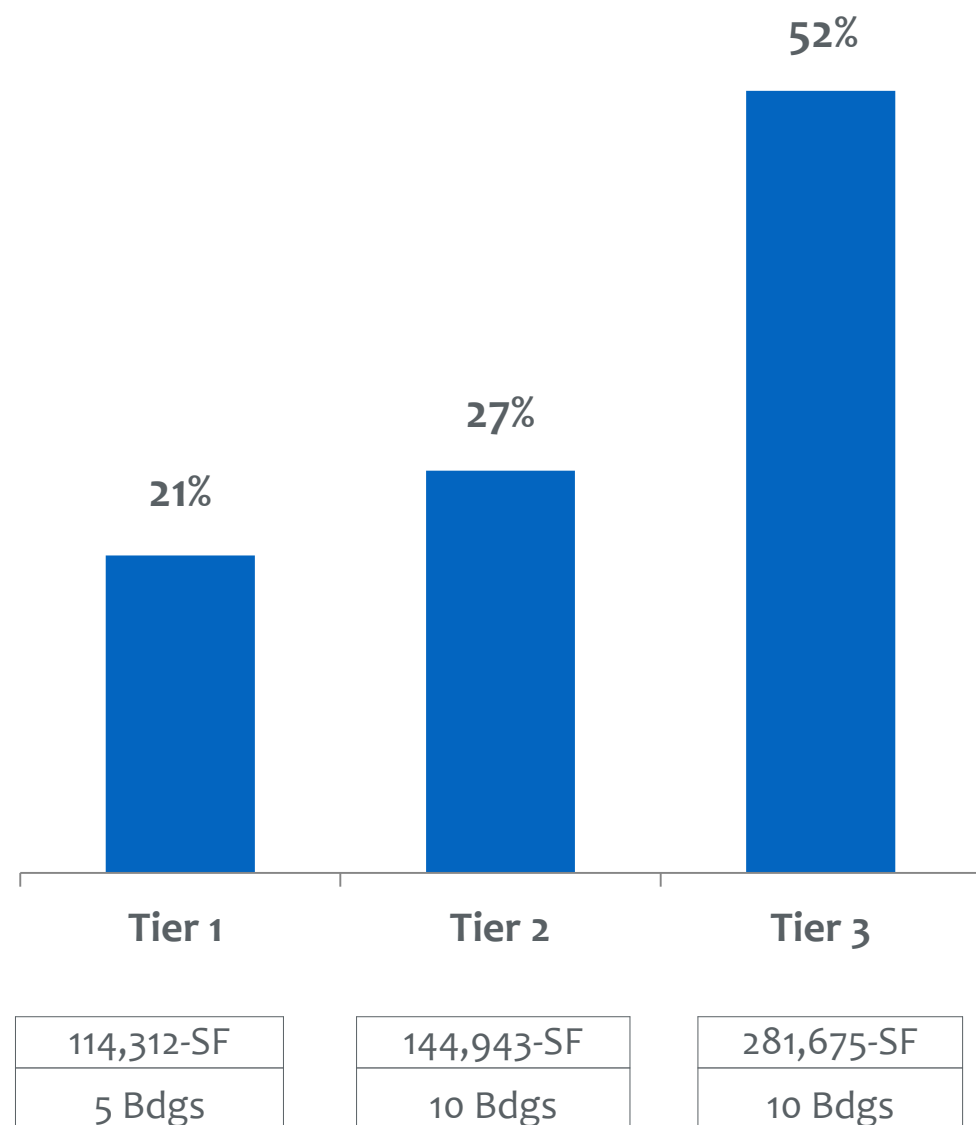




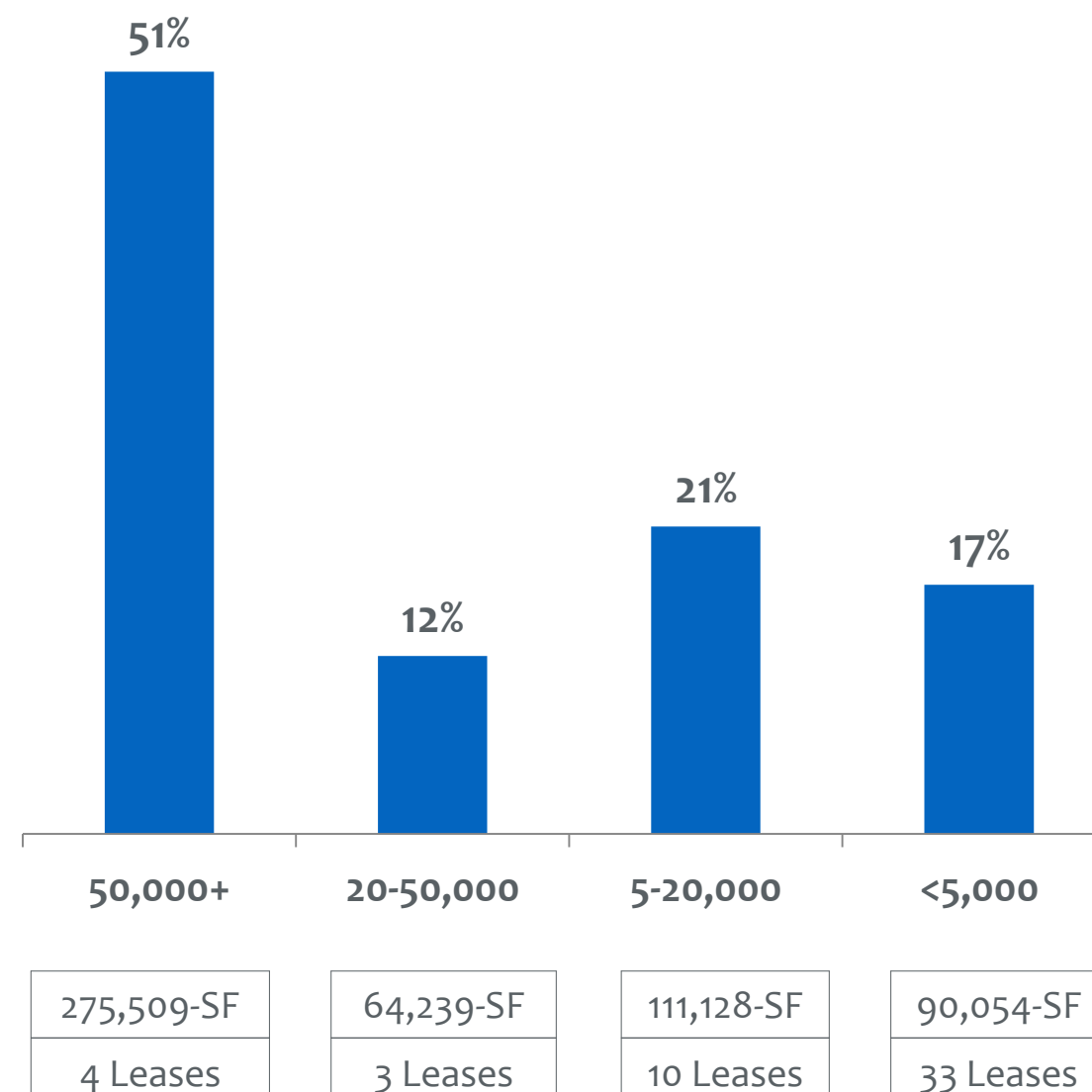


# New to Downtown Tenants

By Tier

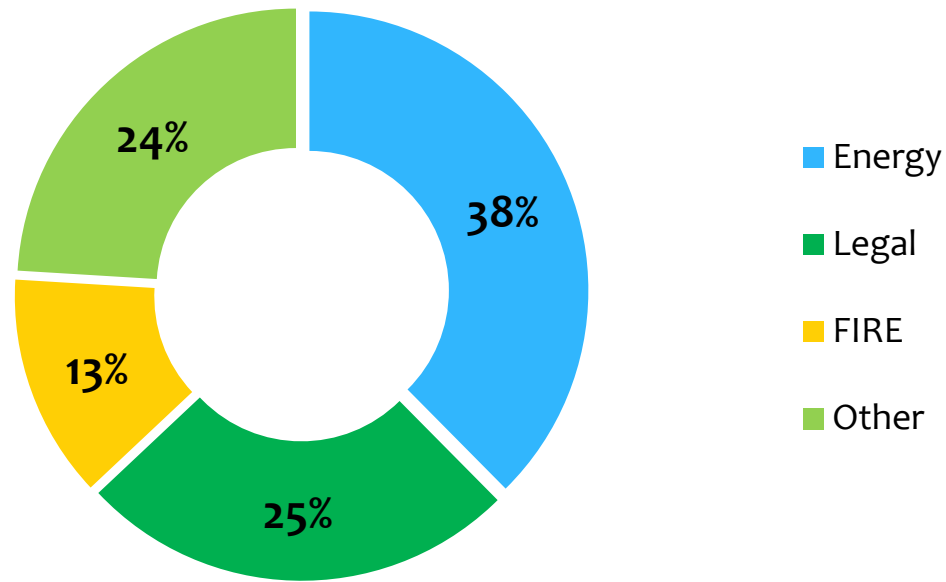


By Square Footage

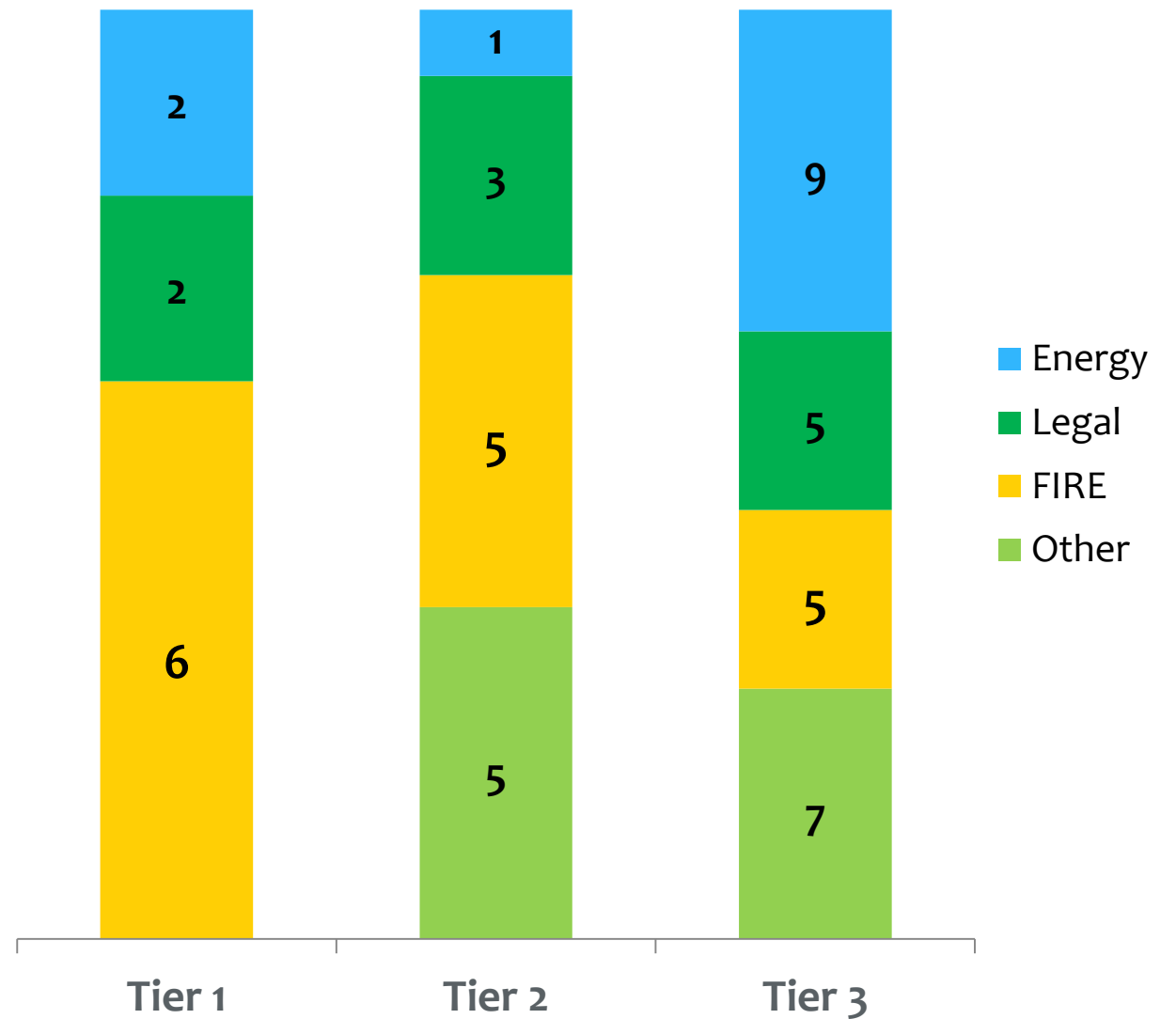


# New to Downtown Tenants

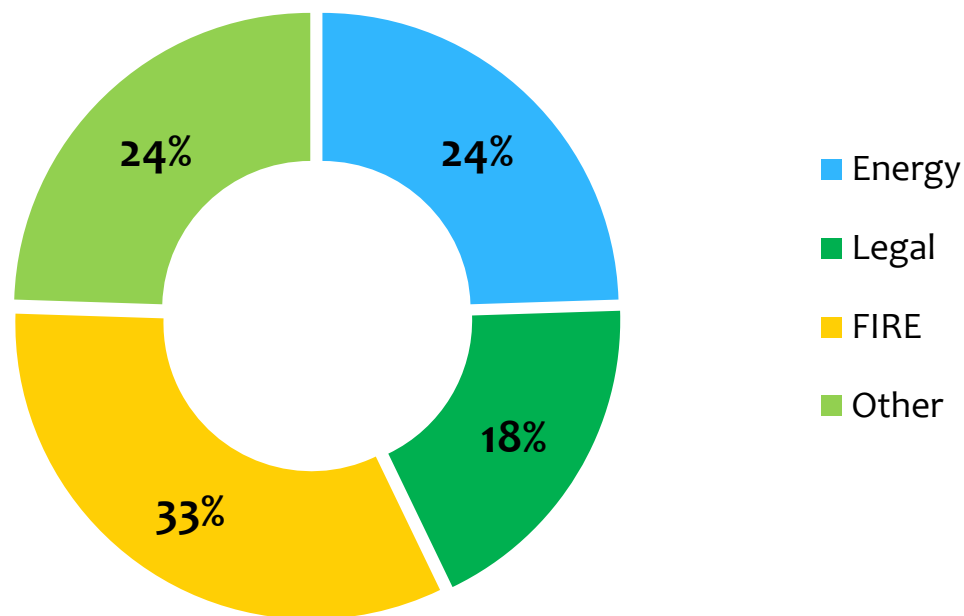
SF by Industry



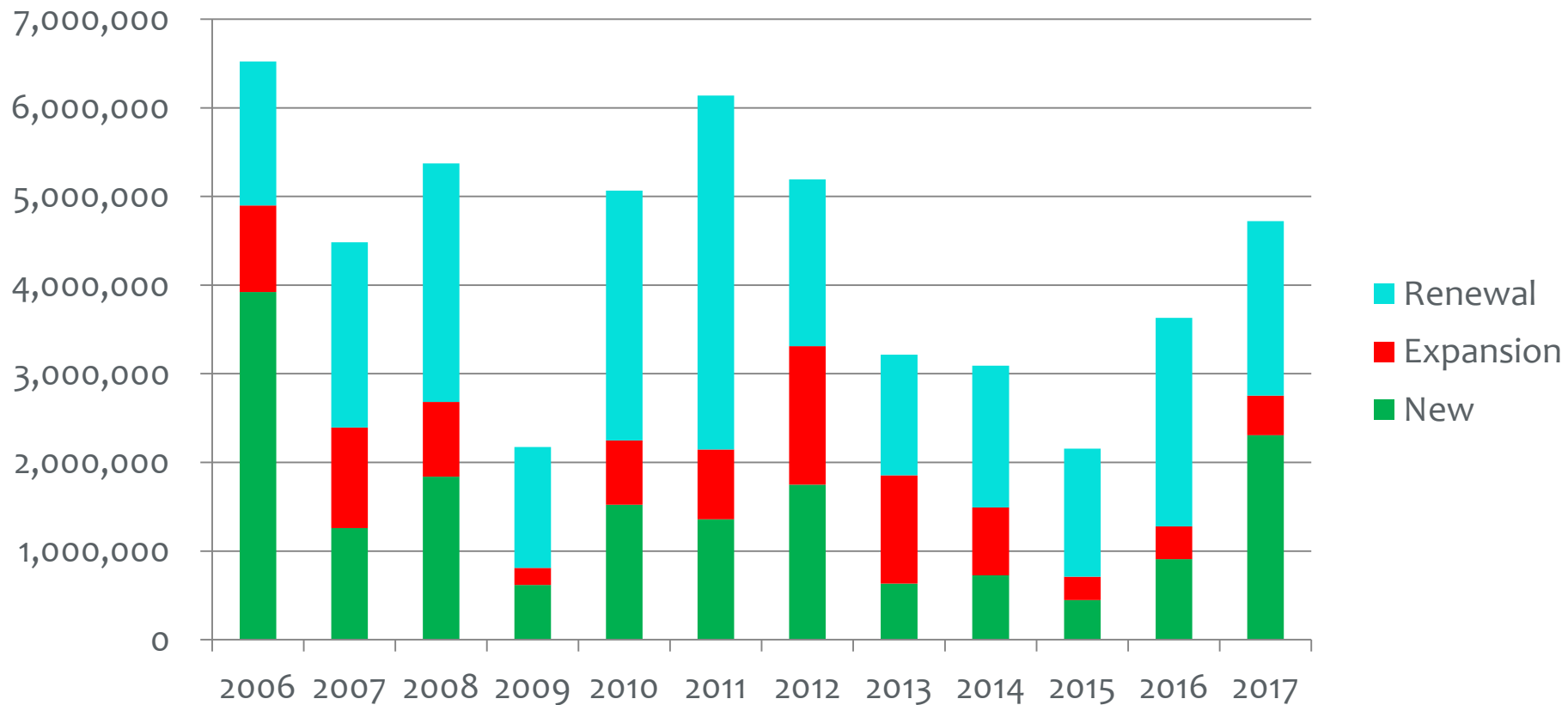
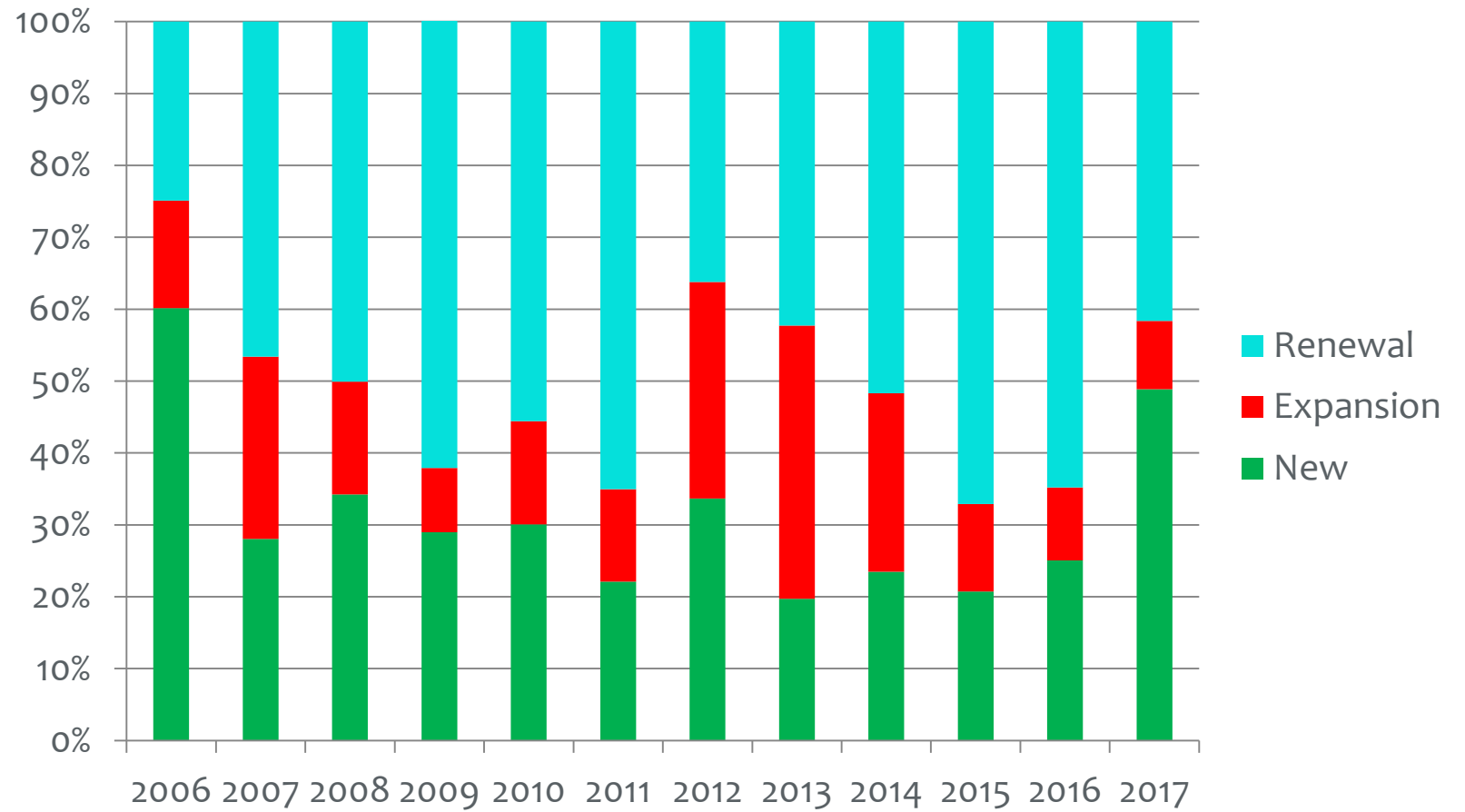
Firm Count by Tier and Industry



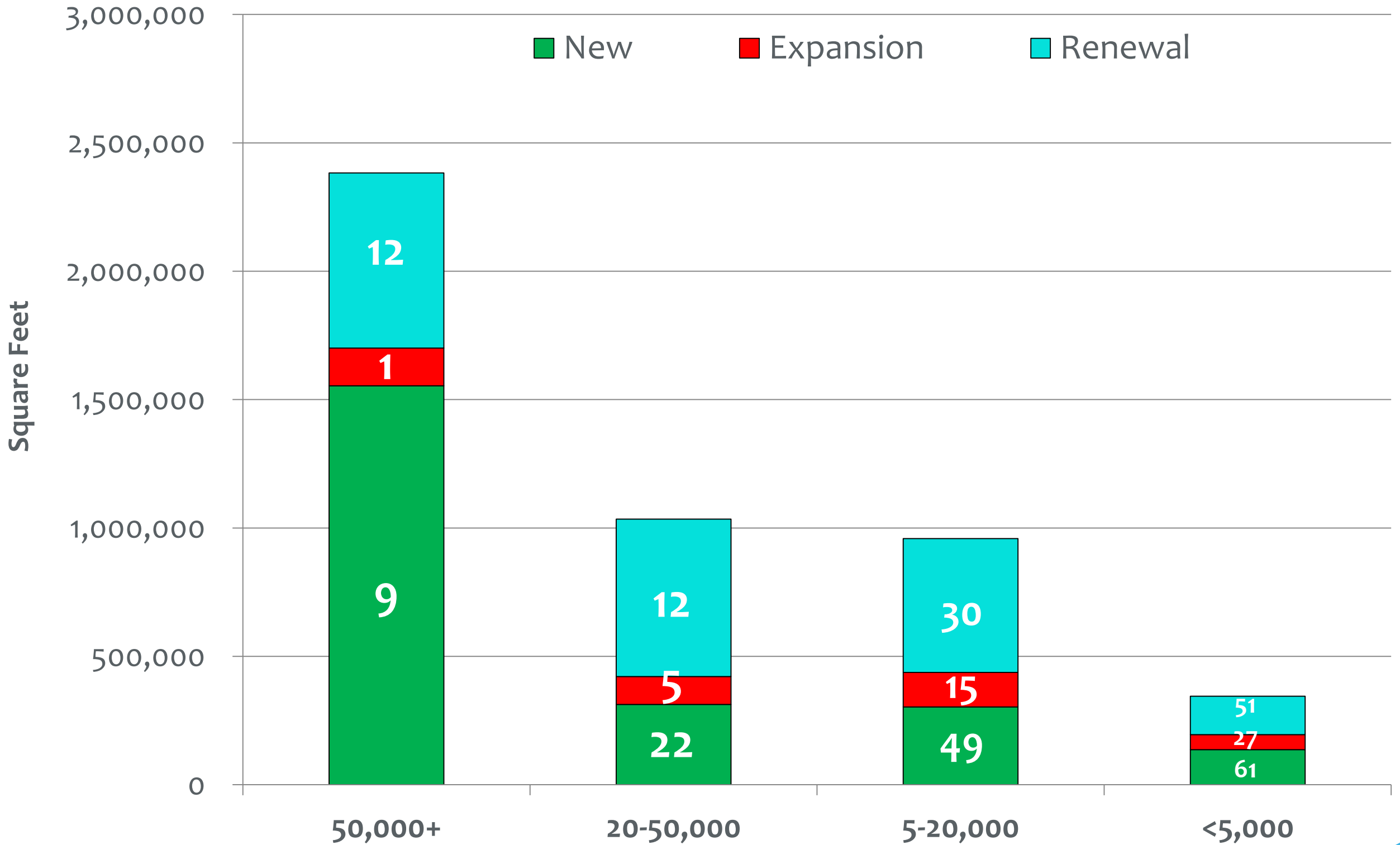
Firm Count by Industry



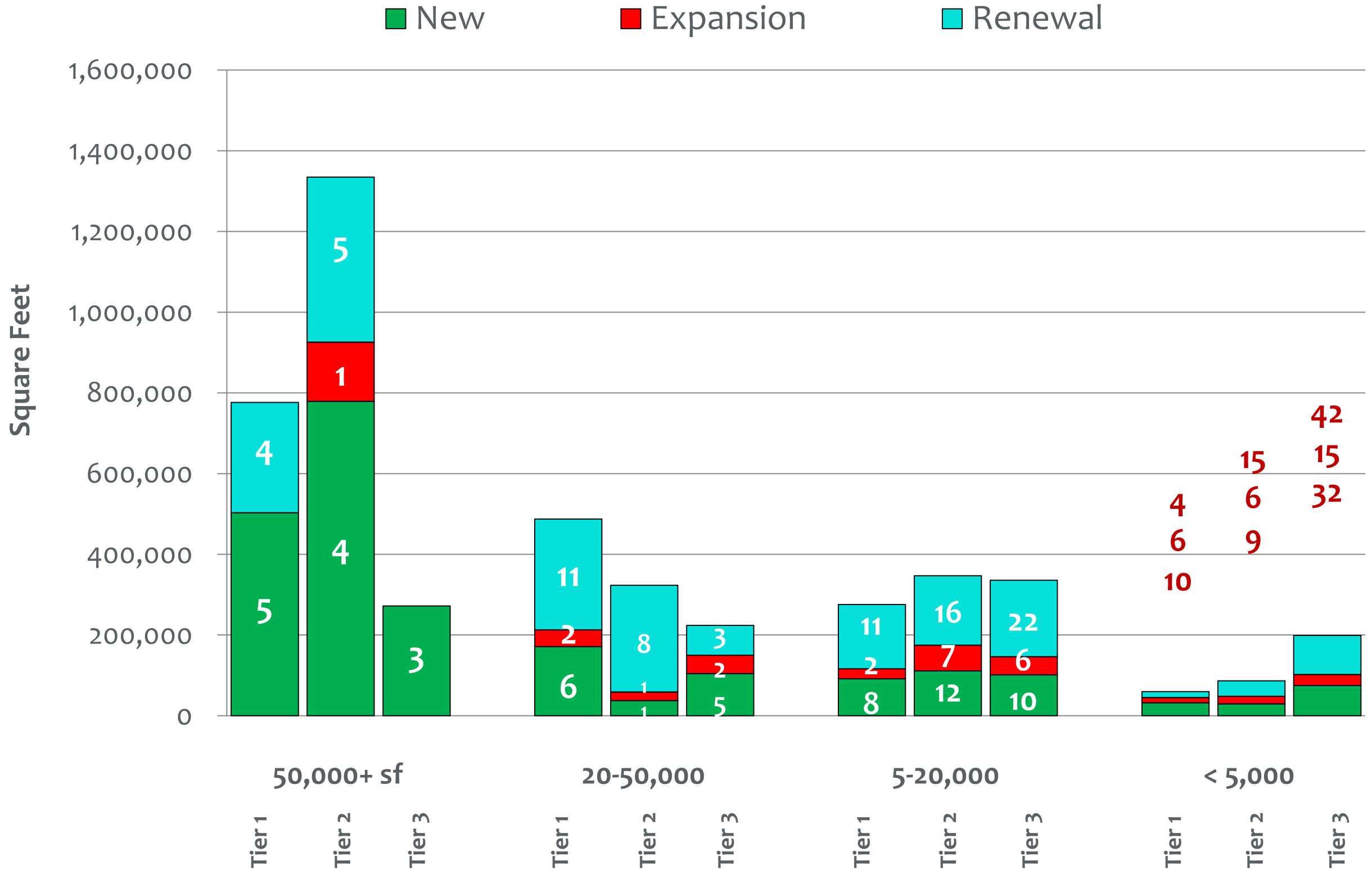
# Leasing by Transaction Type



# Lease Transactions, *by Size & Type*

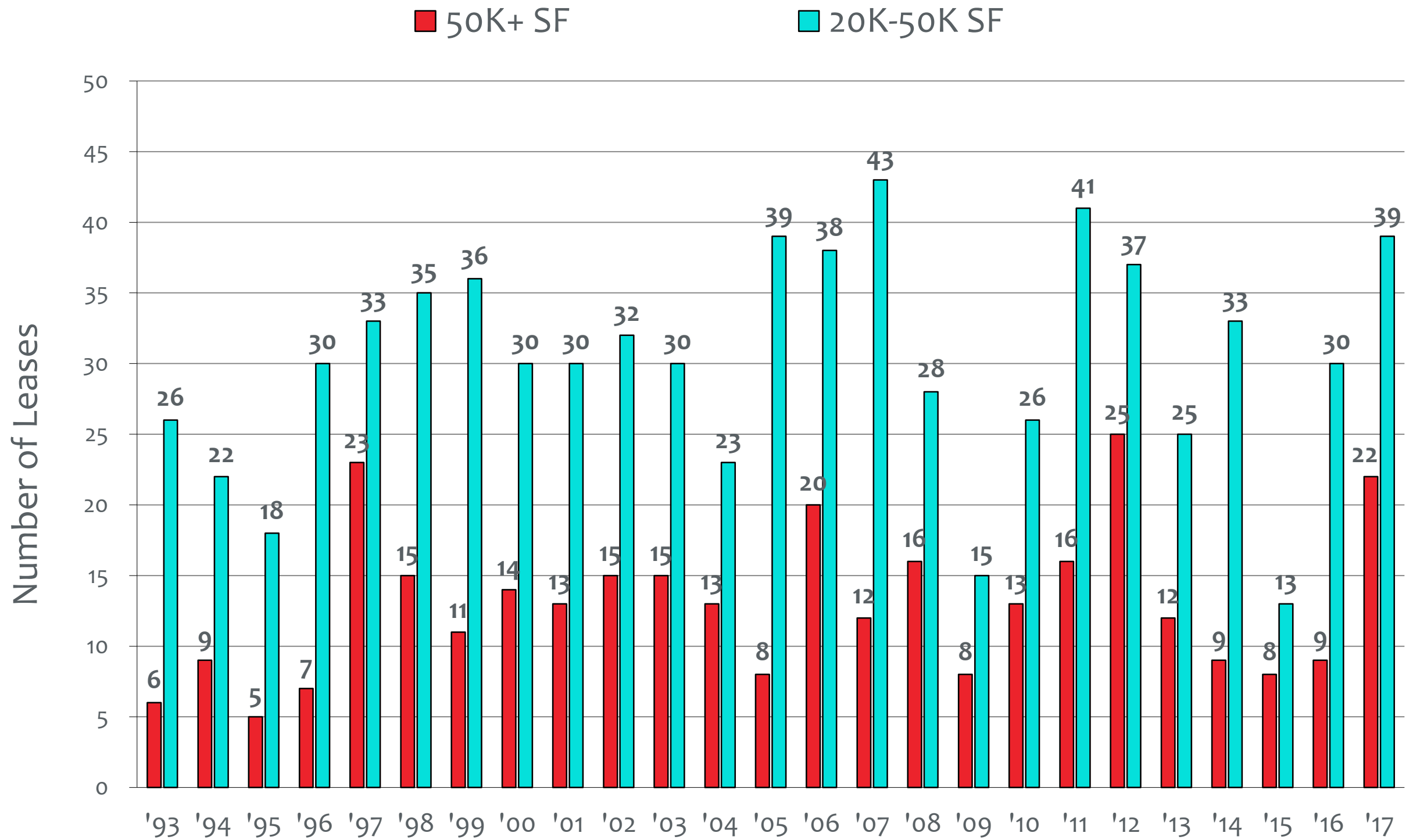


# Lease Transactions, *by Tier*





# Number of *Large Transactions*

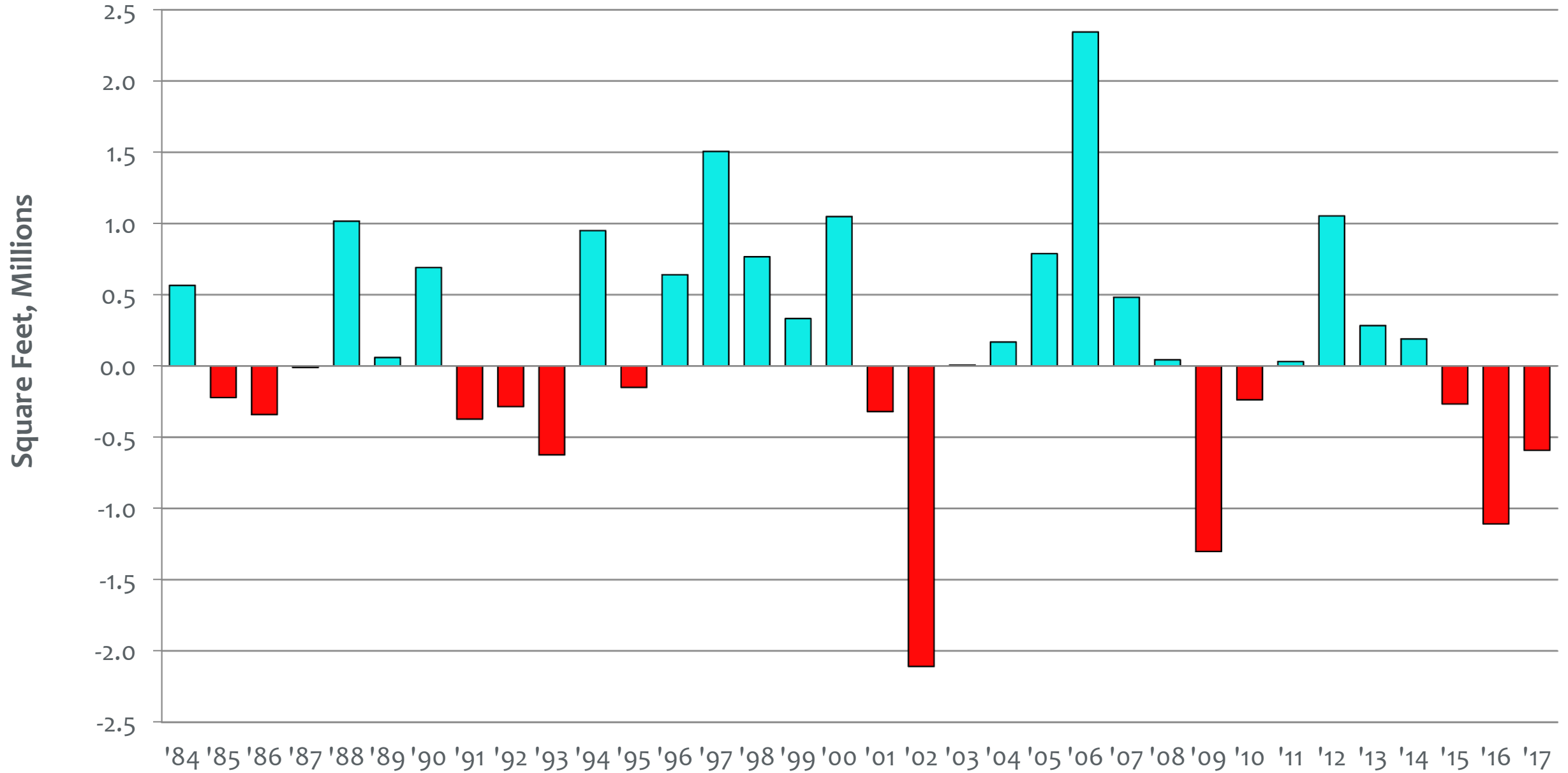


## Definition – *Space Being Marketed*

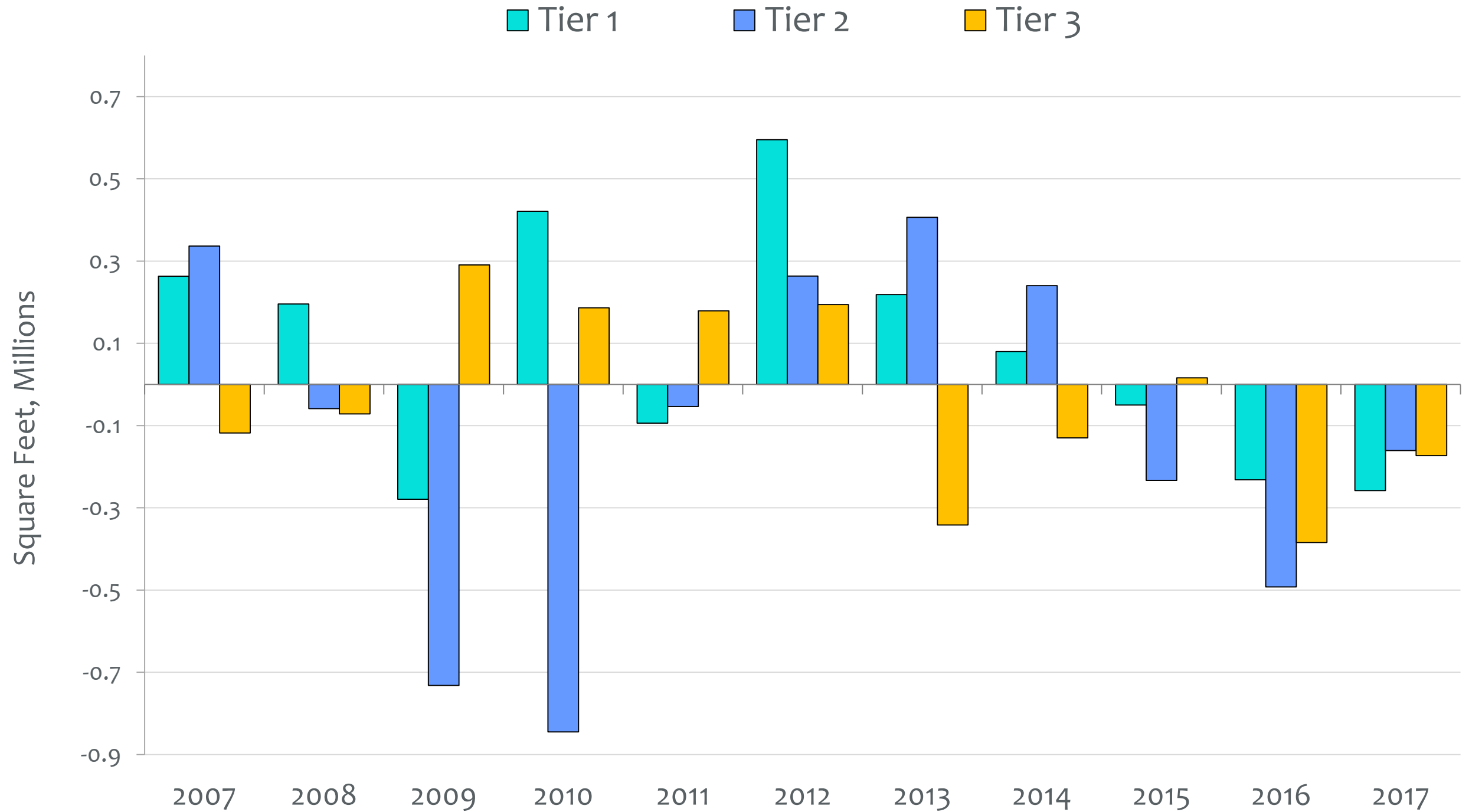
- The aggregate of the *difference in space being marketed at the beginning versus the end of the year* within each building.
- For this study, absorption is tied to a change in space being marketed, not occupancy of a building.



# Historical *Change in Marketed Space*

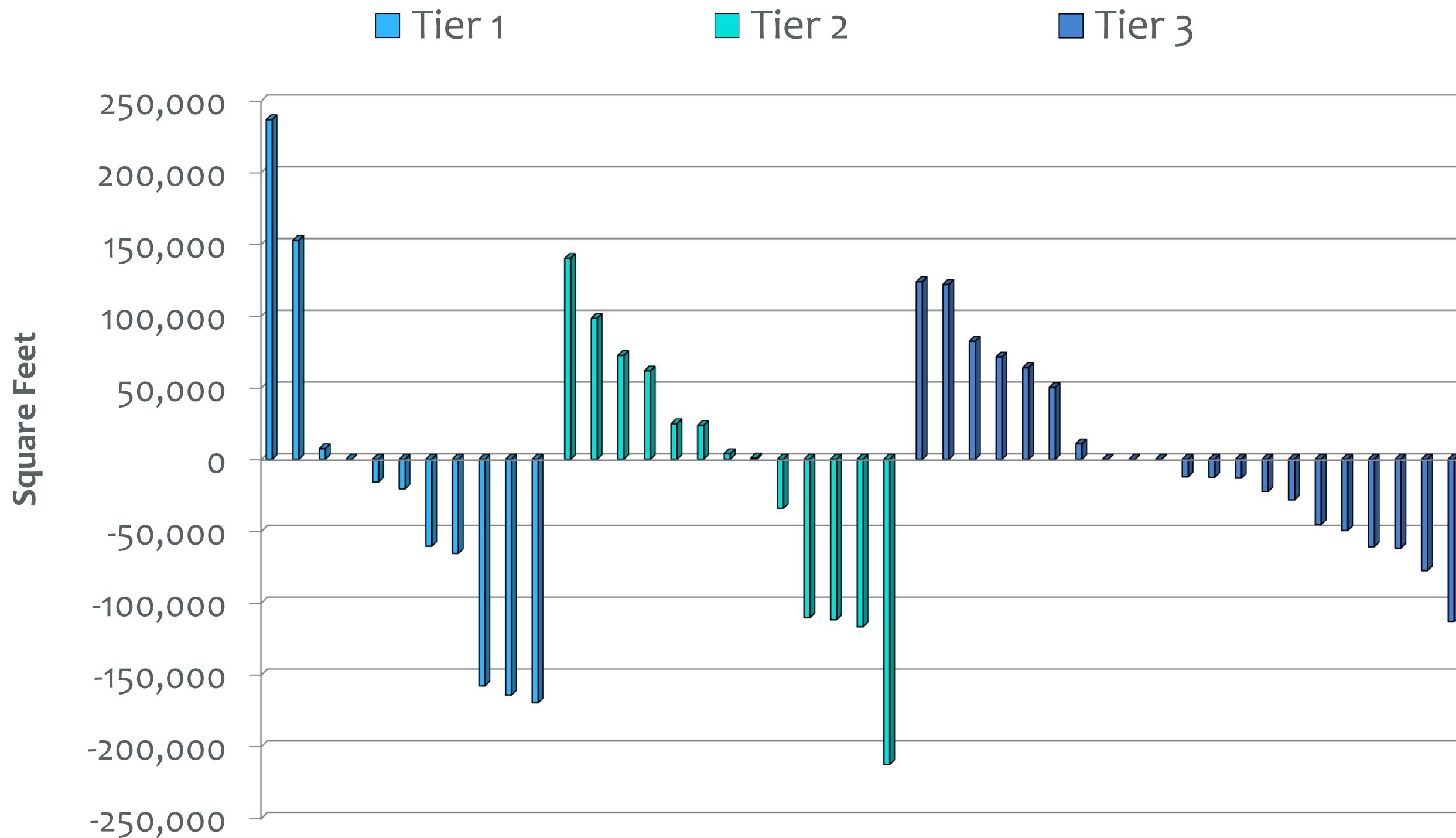


# Absorption – *Building Tiers*





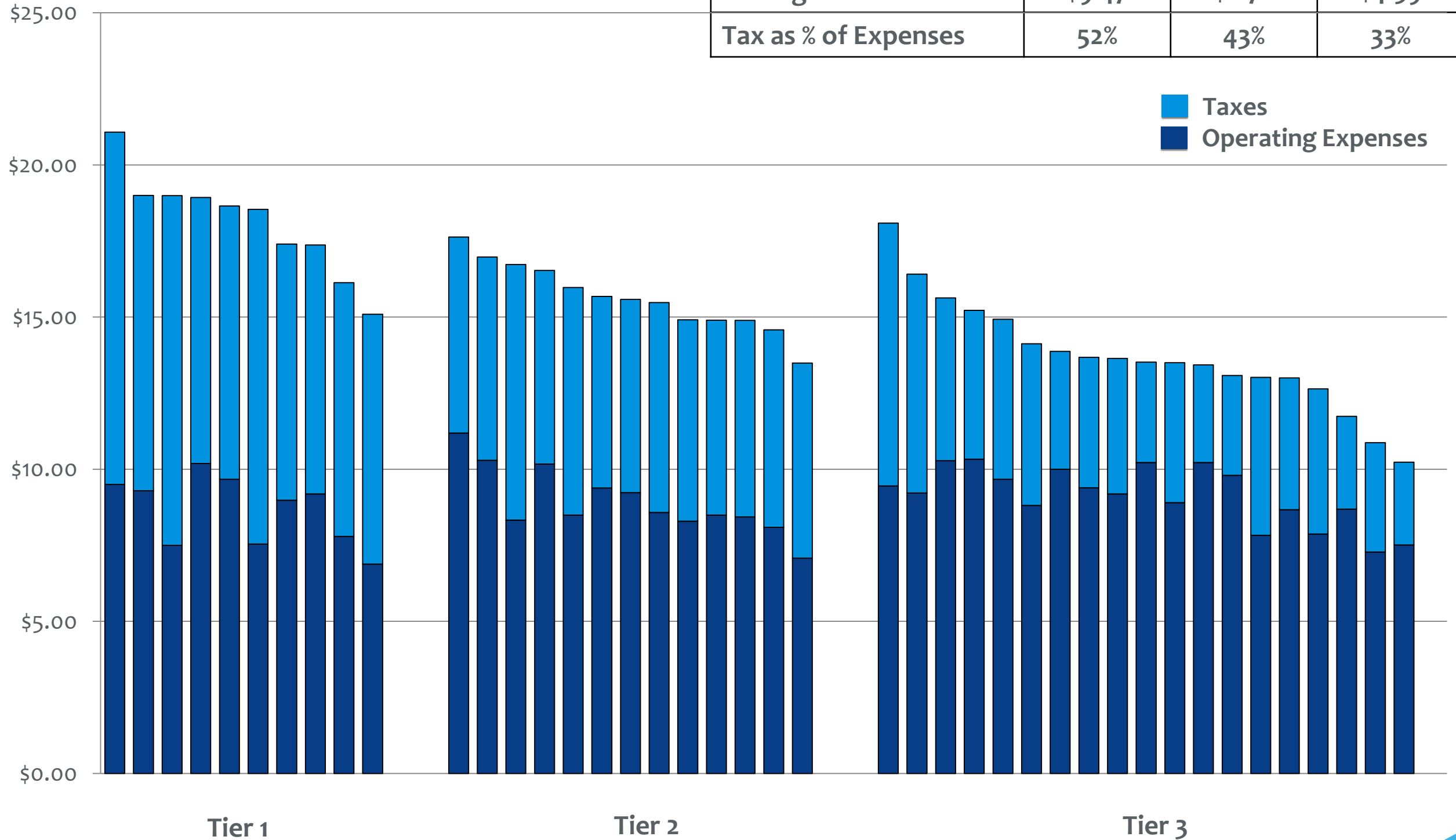
# Absorption, *by Building*



# Operating Expenses

## 2018 Projections

	Tier 1	Tier 2	Tier 3
Average Total Expenses	\$18.12	\$15.64	\$13.72
Average Taxes	\$9.47	\$6.72	\$4.59
Tax as % of Expenses	52%	43%	33%



# Factors Affecting 2018+

## ▪ Available Space:

- Vistra Energy's acquisition of Dynergy: Sublease space in 601 Travis (~102,000-SF)
- Enervest & EV Energy Partners LP Bankruptcy
- Halcón Resources – Wells Fargo Plaza (52,000-SF)

## ▪ Expansions, M&As, etc.

- Staff Expansions:
  - Deloitte, KPMG, Arundo Analytics, Orrick, Pattern Energy Group Inc., Mitsubishi Heavy Industries Ltd., Kilpatrick Townsend & Stockton, Two Sigma Investments LP, White & Case LLP, etc.
- M&A's (mostly law firms)
  - Alvarez & Marsal Taxand LLC's acquisition of TRCG Advisors
  - Gardere Wynne Sewell LLP and Foley & Lardner LLP merger (Foley Gardere)
  - Hunton & Williams LLP and Andrews Kurth Kenyon LLP merger (Hunton Andrews Kurth)
  - Strasburger & Price and Clark Hill (Clark Hill Strasburger)
  - Energy Transfer Partners' merger with Sunoco Logistics Partners: 1300 Main
  - Perkins & Will's acquisition of Lauckgroup
  - Talos Energy LLC's acquisition of Stone Energy Corp.

## ▪ Other Factors

- Possible new office buildings: Hines; Crescent (6 Houston Center)
- HSPVA
- South Downtown Park



# Downtown Development: 2017 & 2018+

# State of the Office Market

<b>Current Office Buildings [159]</b>	<b>50,494,380-SF</b>
Under Construction [1]	775,000-SF
Planned [3]	3,700,000-SF
<hr/>	
<i>Completed 2017 [1]</i>	1.1 million-SF



## OFFICE

# Completed

### 609 Main at Texas

- Hines
- 48 stories
- 1.1 million-SF
- Completed January 2017



# Under Construction

### Capitol Tower

- Skanska
- 35 stories
- 775,000-SF
- Est. Completion 2Q 2019





# OFFICE Planned



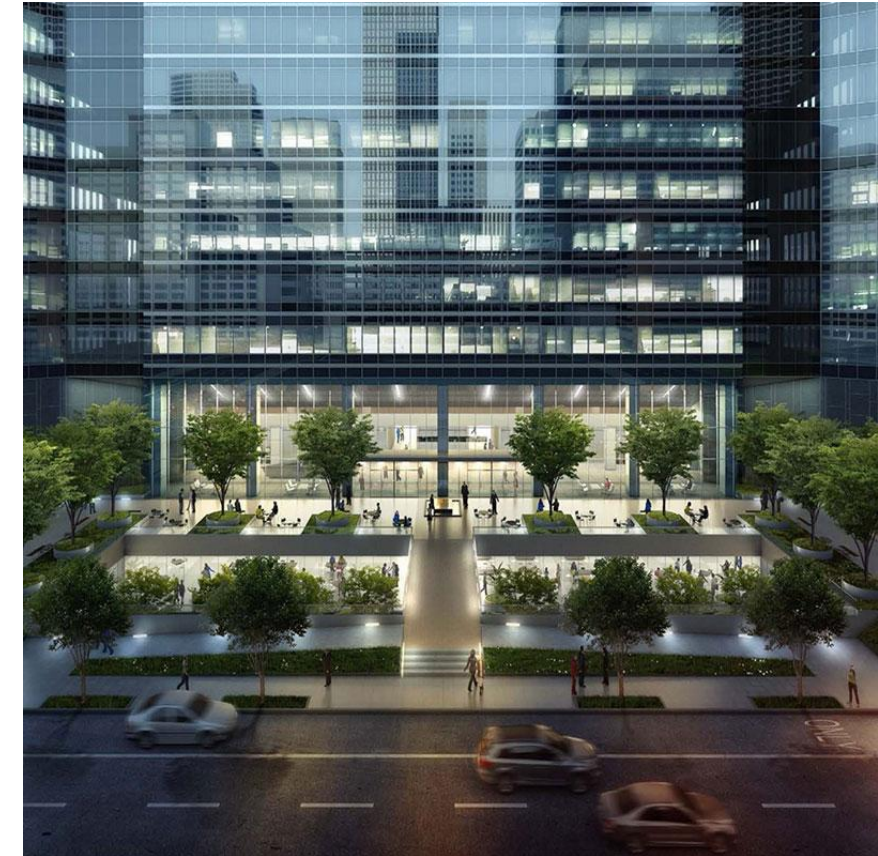
## Chevron Office Tower

- 50 stories
- 1.7 million SF



## 6 Houston Center

- 30 stories
- 600,000 SF
- Crescent



## 800 Bell Redevelopment

- 45 stories
- 1.4 million SF
- Shorenstein Properties



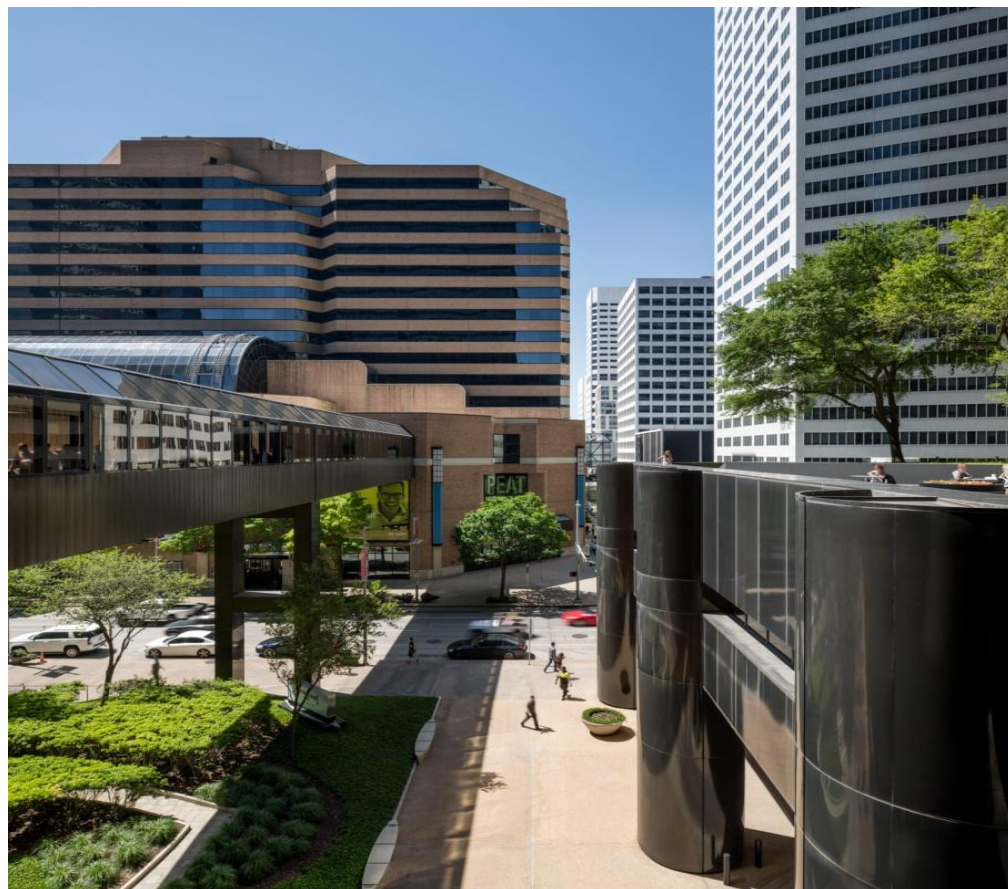
## OFFICE

# Transactions

## Sold in 2017

### Houston Center

- Seller: JP Morgan Chase
- Buyer: Brookfield Properties
- \$875 million
- 4.2 million SF
- Office complex includes
  - LyondellBassell Tower
  - 2 Houston Center
  - Fulbright Tower
  - 4 Houston Center



## On the Market

### 1001 McKinney

- Seller: Cameron Management
- 24-stories
- 375,440-SF
- National Register of Historic Places
- Real Estate Marketer: HFF





## OFFICE

# Co-Working and Collaborative Spaces



### WeWork

- 708 Main
- 82,236 SF



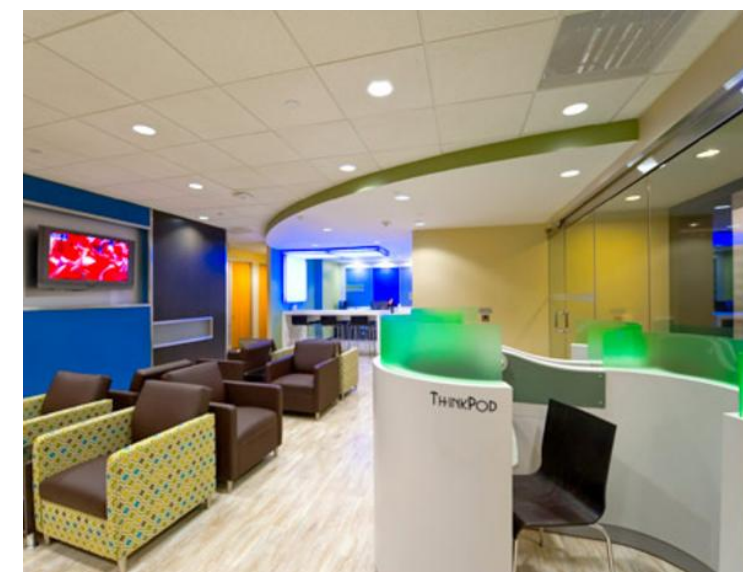
### Level Office

- 720 Rusk
- 405 Main



### Station Houston

- 1301 Fannin
- 25,000 SF



### Regus

- 700 Milam
- 2 Allen Center
- 1001 Texas



### Serendipity Labs

- Esperson Building (*planned*)

# State of the Hospitality Market

<b>Current Hotel Rooms [25]</b>	<b>7,803</b>
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Under Construction [3]	565
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Planned [1]	400+
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<i>Completed 2017 [2]</i>	478
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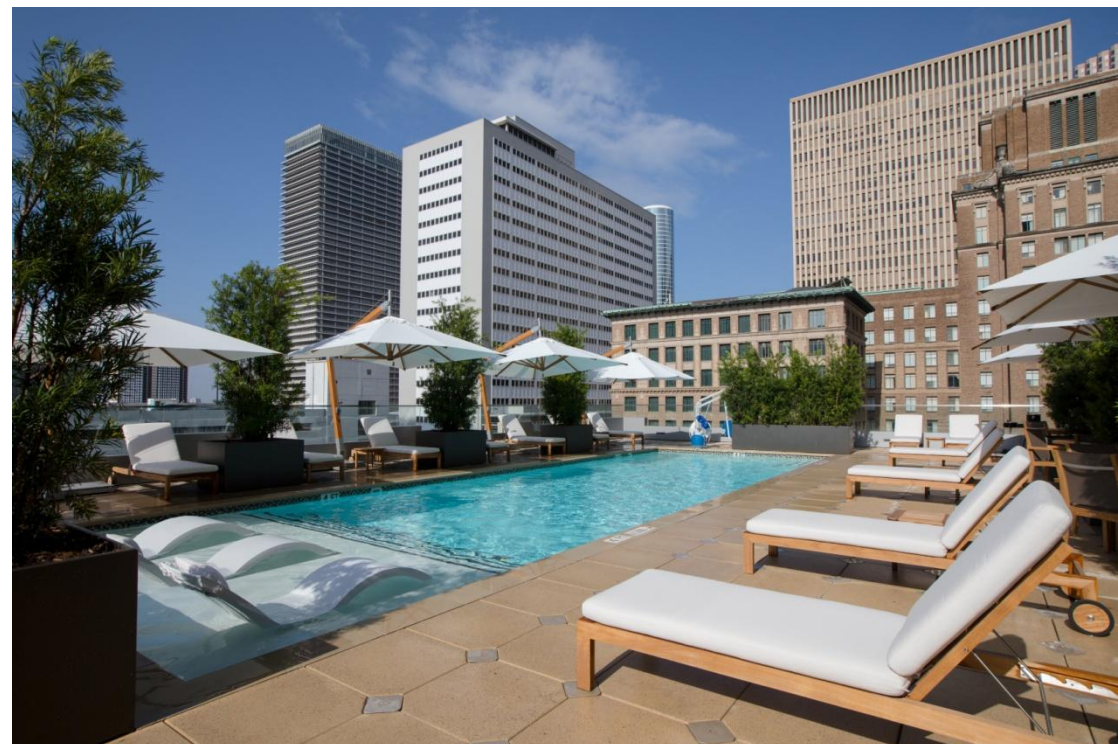


## HOSPITALITY

# Completed 2017

### Hotel Alessandra

- 21 stories, 225 keys
- Midway Companies
- Completed: October 2017





## HOSPITALITY

# Completed 2017

### Le Meridien

- 21 stories, 255 rooms
- Development Services Group
- Completed: September 2017





## HOSPITALITY

# Under Construction

### Hyatt Place

- Redevelopment of 1114 Texas
- 16-stories, 150-keys
- Pride Management Inc.
- Est. completion 1Q 2019



### AC Hotel by Marriott

- 10-stories, 195-keys
- Newcrest image
- Est. completion 2Q 2019



### Cambria Hotel

- Redevelopment of the Great Southwest building
- 21-stories, ~ 220-keys
- Choice Hotels International
- Est. completion: 2Q 2019



# State of the Residential Market

<b>Current Residential Units [40]</b>	<b>5,992</b>
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Under Construction [2]	600
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Planned [5]	1,179
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<i>Completed 2017 &amp; 2018 [6]</i>	1,668
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Occupancy Rate (Q2 2018)	75.2%
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<i>Estimated Population</i>	8,291
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## RESIDENTIAL

# Completed 2017

### The Star

- 16 stories
- 323 units
- Provident Realty Advisors
- Completed: January 2017



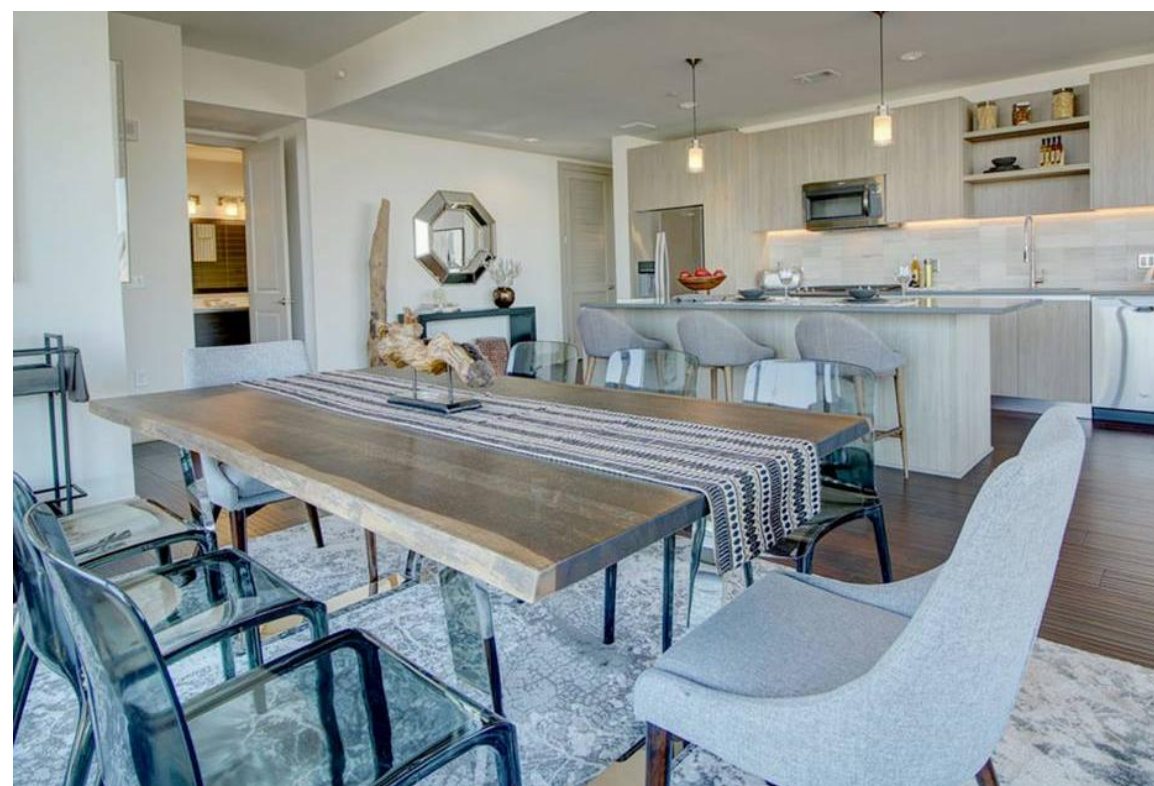


## RESIDENTIAL

# Completed 2017

### Aris Market Square

- Hines
- 32 stories
- 274 units
- Completed: September 2017



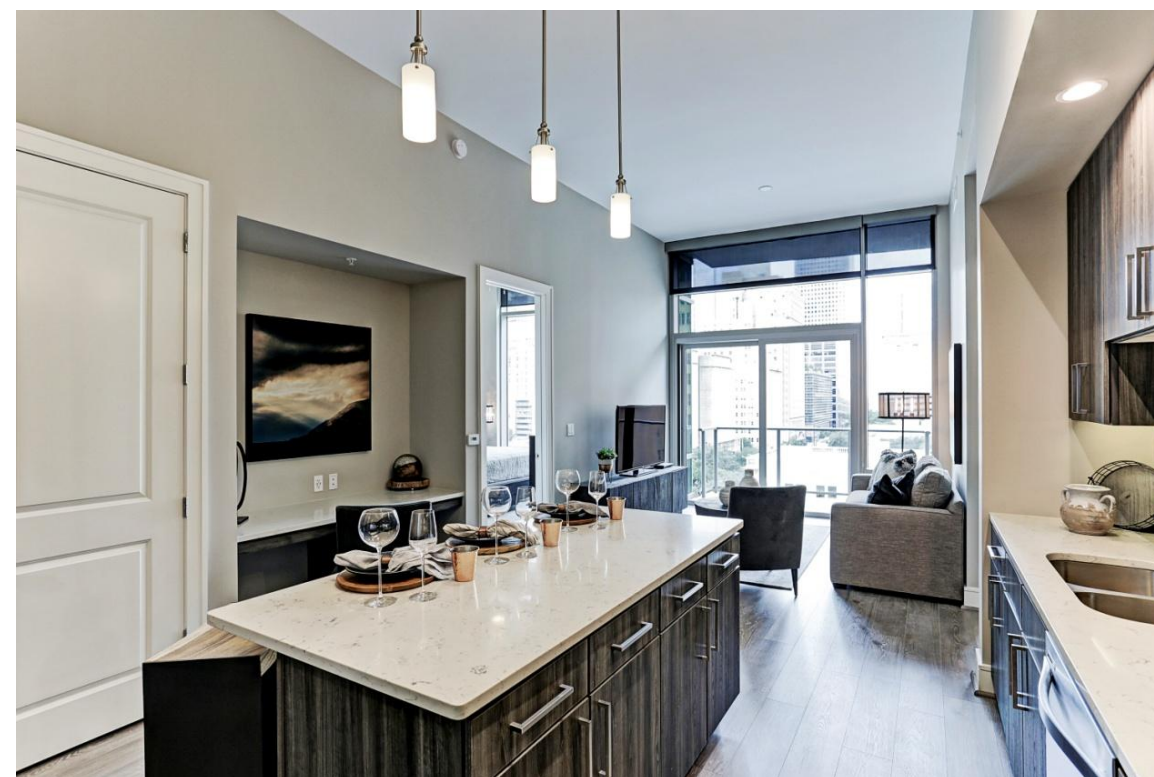


## RESIDENTIAL

# Completed 2017

### Catalyst

- Marquette Companies
- 28 stories
- 361 units
- Completed: October 2017





## RESIDENTIAL

# Completed 2017

### Alexan Downtown

- Trammell Crow
- 6 stories
- 285 units
- Completed: October 2017



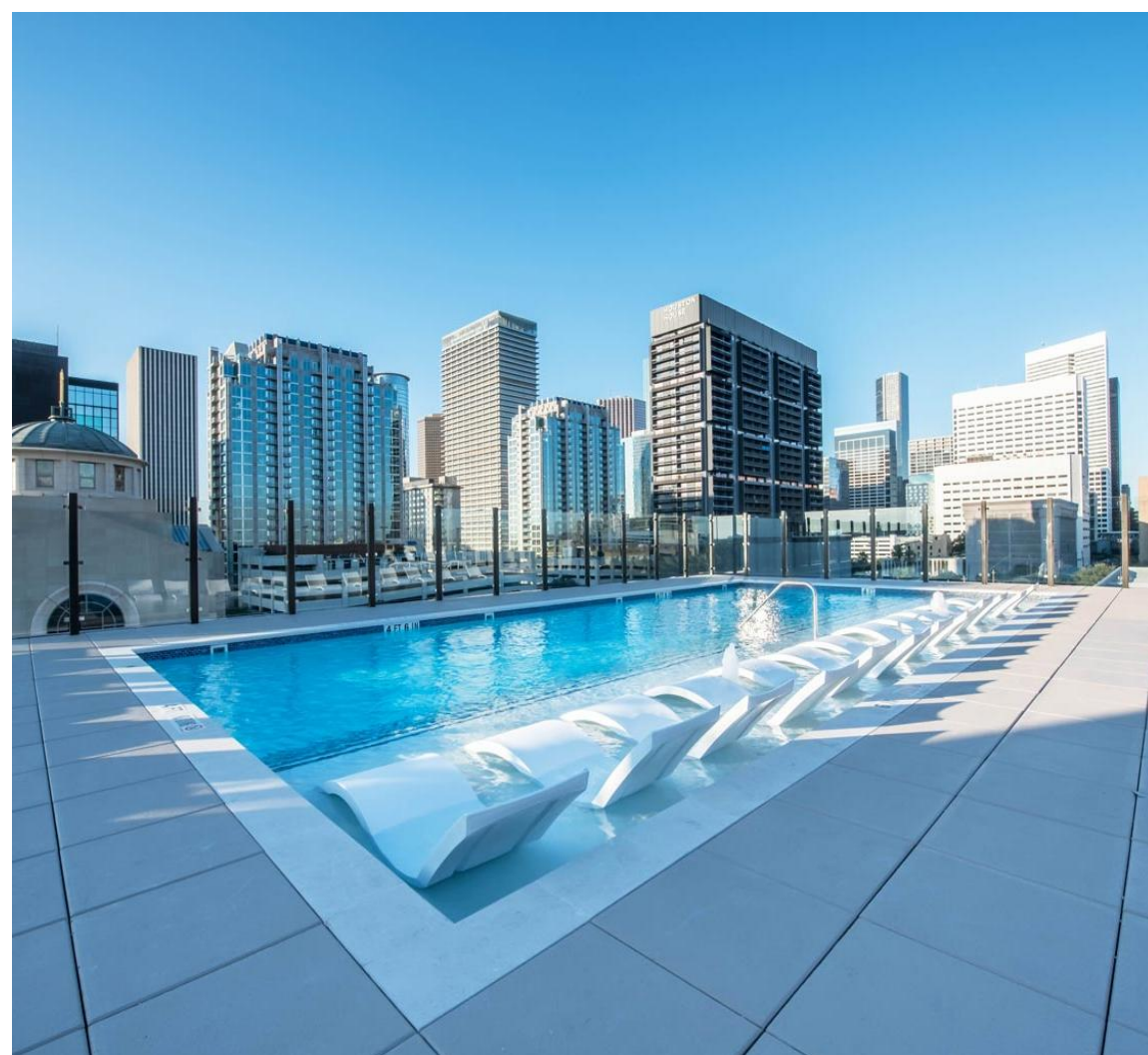


## RESIDENTIAL

# Completed 2017

### Eighteen25

- Allied Orion Group
- 8 stories
- 242 units
- Completed: October 2017



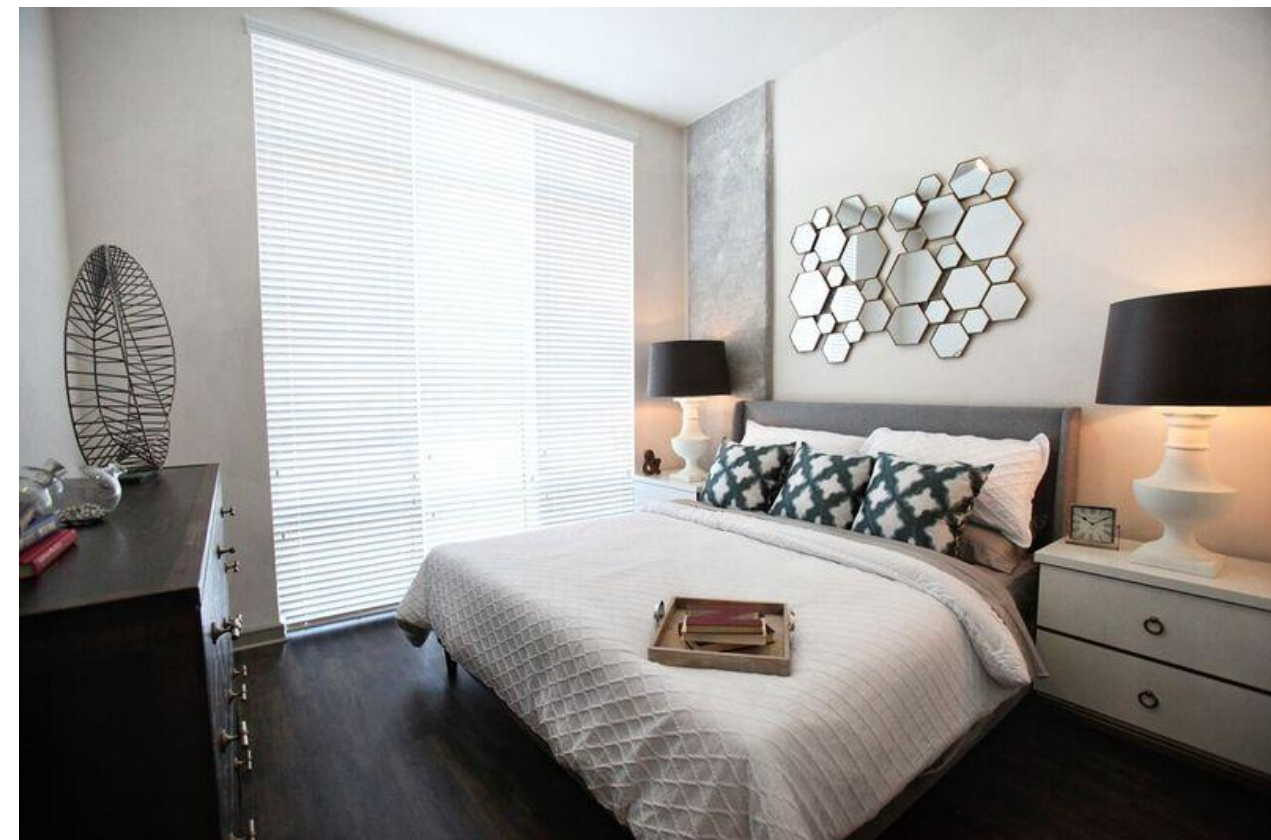
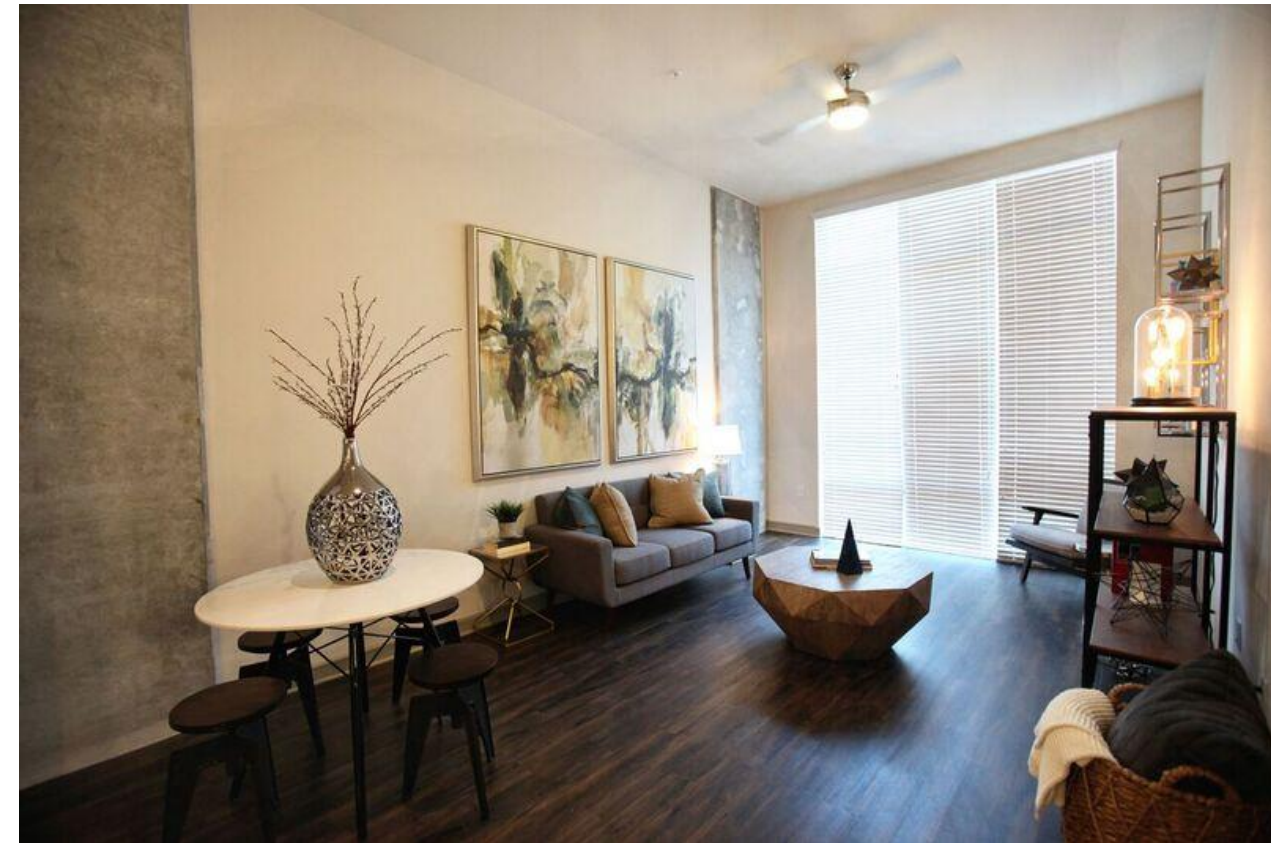


## RESIDENTIAL

# Completed 2018

### 1711 Caroline

- Leon Capital Group
- 5 stories
- 220 units
- Completed: March 2018





## RESIDENTIAL

# Under Construction

### Marlowe

- Randall Davis
- 20 stories, 100 condo units
- Est. Completion: 4Q 2018

**75 percent sold!**



### Camden Downtown

- Camden Property Trust
- 21-stories, 271-units
- First block of a 2-phase 550-unit development
- Est. completion 2Q 2020





## RESIDENTIAL

# Under Construction

## Regalia at the Park

- DLC Residential
- 6-stories, 229-units
- Est. completion: 2Q 2020





# RESIDENTIAL Planned



## Block 330

- Camden Property Trust
- 21-story, 550-units
- 2-block, 2-phase devt.
- Est. start: 1Q 2020
- Est. completion: 2Q 2023



## Block 114

- Marquette Companies
- 24 stories, 304 units
- Est. Start: 2Q 2018
- Est. Completion: 2Q 2020



## Block 98

- Trammell Crow
- 40 stories, 314-units
- 12-story garage podium
- Est. start: 1Q 2018
- Est. completion: 2Q 2020



## 1810 Main

- Fairfield Residential
- 10 stories, 286-units
- Est. start: 1Q 2018
- Est. completion: 2Q 2020



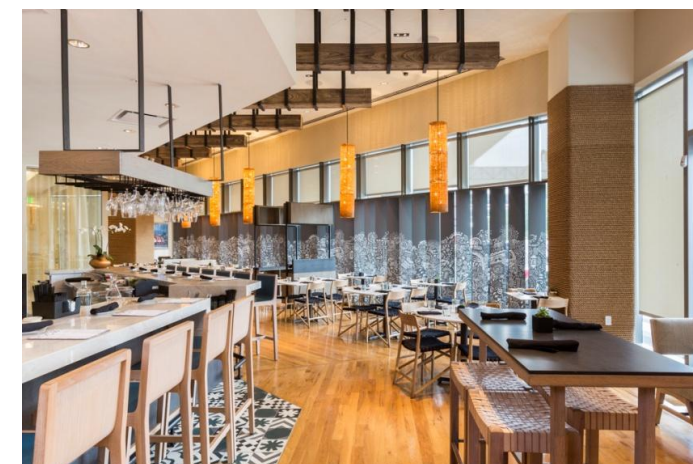
# RETAIL

## State of the Retail Market

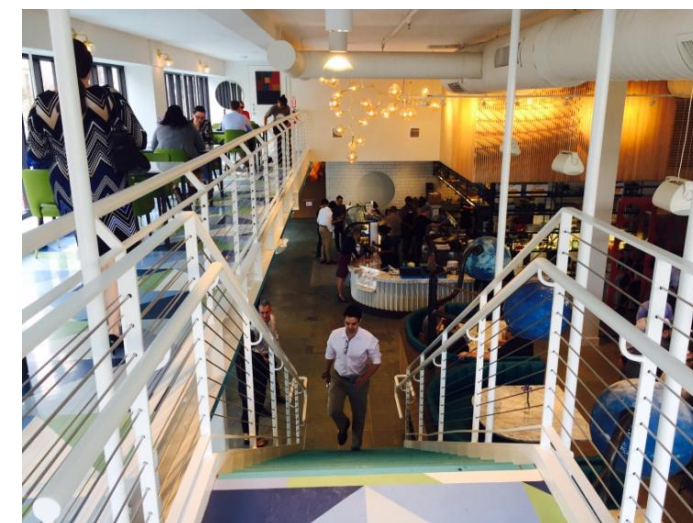
**Restaurants, Bars & Clubs 390+**

*Opened 2017* 37

*Opened 2018 & Planned (including 3 Food Halls)* 14



**Xochi**



**Local Foods**



**Oxbow7**

## Critically Acclaimed Restaurants



**Theodore Rex**



**Potente**



FUTURE

# Plan Downtown

## Vision

Downtown is at the forefront in advancing Houston as a great global city.

- Houston's Greatest Place To Be
- The Premier Business Location
- The Standard for Urban Livability
- The Region's Leading Multi-modal Center





EDUCATION

HSPVA (4Q 2018)

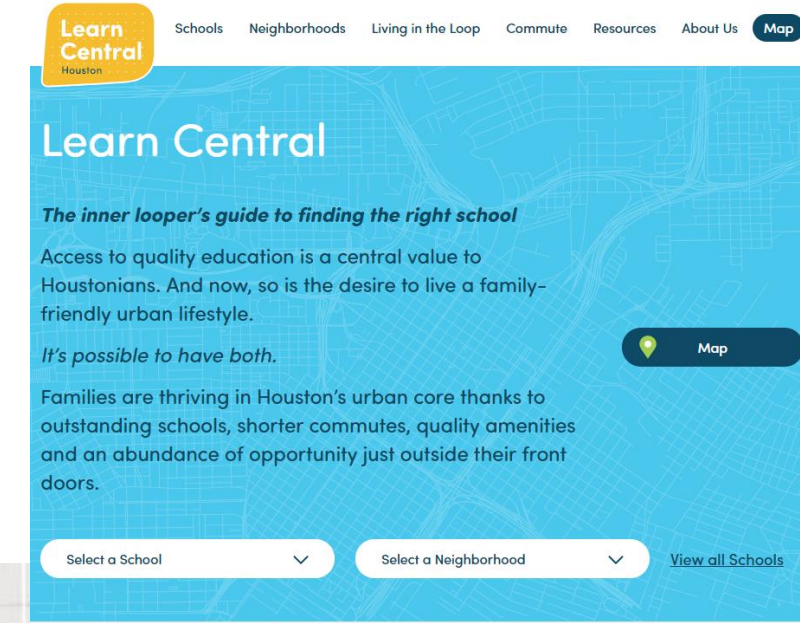




# EDUCATION

## Learn Central

- Central neighborhoods offer great education options
- Families want to live in the city’s culturally diverse neighborhoods
- Linking schools, families and neighborhoods is key



### 152 Total Schools

119 Public

24 Private

### Public Schools

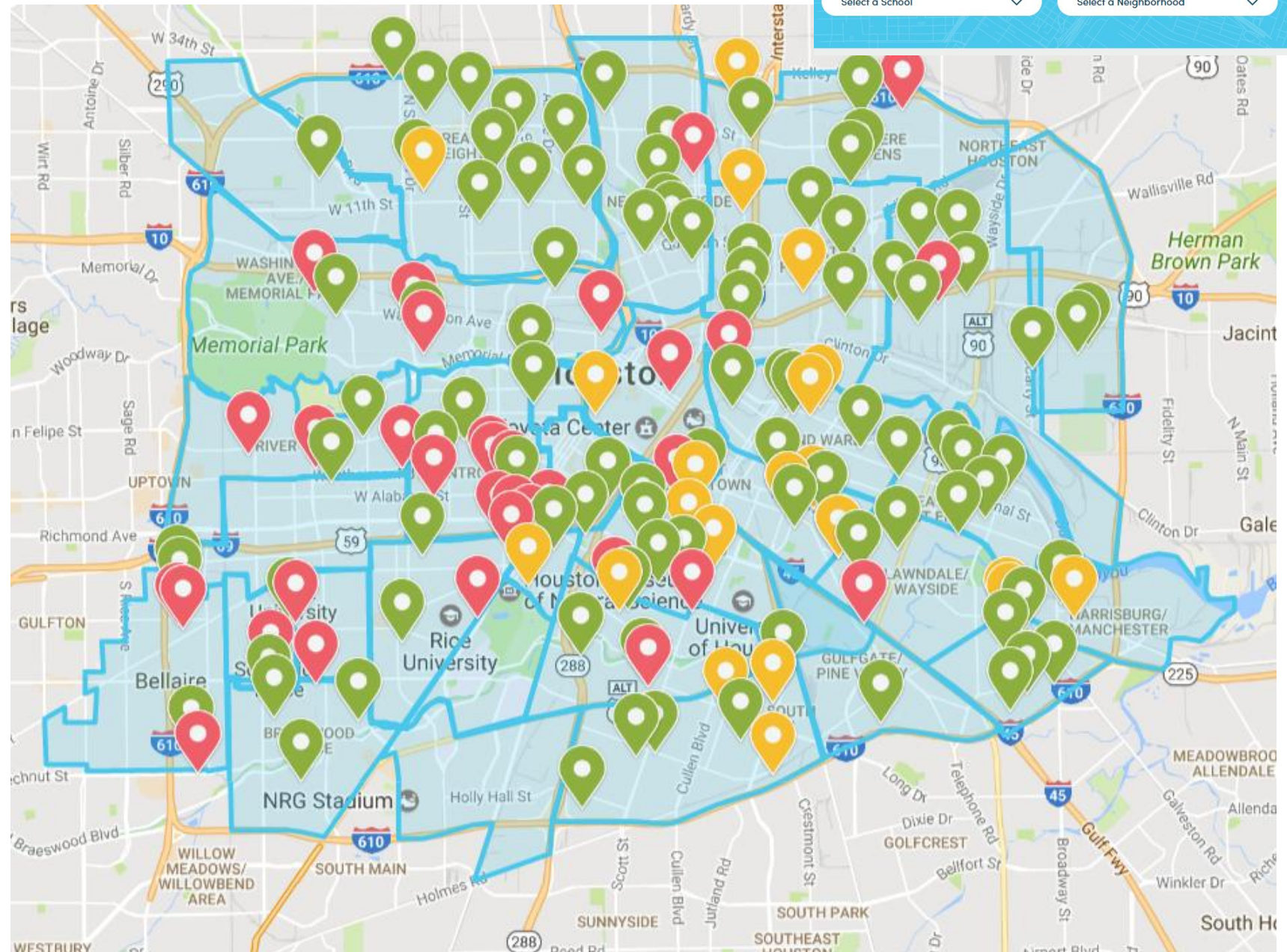
100 HISD

19 open-enrollment charter

### Private Schools

23 Religious

10 Secular



Central Houston

**Uchenna Onuzo**

Research Manager  
Central Houston, Inc.  
[uchenna@centralhouston.org](mailto:uchenna@centralhouston.org)



Central Houston

**Thank you!**

**Contact**

**Uchenna Onuzo**

Research Manager

Central Houston, Inc.

[uchenna@centralhouston.org](mailto:uchenna@centralhouston.org)