

## Sponsor's Overview & US Real Estate Market 8 August 2017



## **Table of Contents**

•	Manulife Real Estate	.3
•	US Commercial Real Estate	.8
•	View on US Office Market Outlook	11
•	Appendix	26

All figures in US dollars unless otherwise noted.



## **Manulife Real Estate**



## **Global Financial Services Firm**

#### **Key facts about Manulife:**

- Fourth largest life insurance company in North America by market capitalization<sup>1</sup>
- \$754 billion in assets under management and administration<sup>2</sup>
- Financial strength ratings<sup>3</sup>:
  - S&P
  - Fitch AA-
  - Moody's A
  - A.M. Best A+
- A leading Canada-based financial services group that provides financial advice, insurance and wealth and asset management solutions for individuals, groups and institutions with principal operations in Canada, the United States and Asia



<sup>&</sup>lt;sup>3</sup> Financial Strength Ratings, which are current as at February 28, 2017 and are subject to change. The ratings apply to the following entities within the Manulife family of companies: The Manufacturers Life Insurance Company, John Hancock Life Insurance Company (U.S.A.), John Hancock Life & Health Insurance Company and John Hancock Life Insurance Company of New York. Only the S&P rating also applies to Manulife (International) Limited and Manulife Life Insurance Company. These ratings are shown as a measure of the respective issuing company's claims-paying ability. The ratings are not an assessment or recommendation of specific products, the performance of these products, the value of any investment in these products upon withdrawal or the individual securities held in any portfolio.



<sup>&</sup>lt;sup>1</sup>As at March 31, 2017. Ranking compared to nine peers in North America (Great-West Life, Sun Life, Industrial Alliance, MetLife, Prudential, The Hartford, Principal Financial, Lincoln Financial and AIG). Source: Thomson / NASDAQ OMX Group, as at March 31, 2017.

<sup>&</sup>lt;sup>2</sup> Assets under management and administration denominated in US dollars and reflect IFRS value as at March 31, 2017. Includes General Account, pooled funds, mutual funds, institutional advisory accounts and other funds managed by Manulife and affiliates on behalf of others.

## **Manulife Real Estate**

### Portfolio by Geography and Property Type

#### Global \$16.2 billion AUM. 62.1 million Square Feet **574 Employees**



\$8.1B AUM 26.1M Square Feet 244 Employees



\$6.5B AUM 34.6M Square Feet 301 Employees



\$1.7B AUM 1.4M Square Feet 29 Employees

#### **Location of Assets**

- Atlanta, GA3
- Boston, MA
- Chicago, IL
- New York metro
- Los Angeles, CA<sup>3</sup>
- Orlando, FL
- San Diego, CA
- San Francisco, CA
- Washington, D.C.

- Calgary, AB
- Edmonton, AB
- Halifax, NS
- Kitchener / Waterloo, ON
- Montreal, QC
- Ottawa, ON
- Toronto, ON
- Vancouver, BC

- Bangkok, Thailand
- Ho Chi Minh City, Vietnam
- Hong Kong, China
- Kuala Lumpur, Malaysia
- Tokyo, Japan

#### Property Type<sup>2</sup>



40% Office Downtown



9% Industrial



15% Office Suburban



Residential



14% Company Own Use



5% Retail







5% **Ground Rent** 

Note: AUM, portfolio characteristics and real estate employee data as of March 31, 2017. AUM are Market Value in US dollars and reflects Manulife's General Account assets and assets managed by Manulife Asset Management Private Markets and its affiliates. Breakouts are of the portfolio that includes properties managed on behalf of the Manulife General Account, Manulife Canadian Property Portfolio, Manulife Canadian Property Real Estate Fund (formerly known as the Standard Life Real Estate Fund) and other third parties. Manulife US REIT US property AUM \$834M and a total of 1.8M square feet managed for the Manulife US REIT as of March 31. 2017.

<sup>1</sup> Includes property development investments.

<sup>2</sup> Property type as a percent of total AUM, as of March 31, 2017.

<sup>3</sup> Location of Manulife US REIT assets as of March 31, 2017.

## **Manulife Asset Management**

## Managing \$16.2 billion in Real Estate Assets<sup>1</sup>

Manulife has been investing in and managing direct core and core plus real estate for more than 80 years

Manages \$14.8 billion of real estate in net asset value, \$16.2 billion in market value<sup>1</sup>, of which \$3.8 billion is managed on behalf of third party investors

- \$4.8 billion of acquisitions in the last five years<sup>2</sup>
- Expertise in core office, industrial and multi-family
- 62.1 million SF across the globe, 92% leased<sup>3</sup>



#### **US Office Assets<sup>4</sup>**



The Michelson Irvine, CA



1750 Pennsylvania Ave Washington, D.C.



55 West Monroe Chicago, IL



200 South Wacker Chicago, IL



1 South Wacker Chicago, IL



**Wellesley Office Park** Welleslev, MA

AUM is market value based on independent third party appraisals (market value) as at March 31, 2017 and is reflected in US dollars. Data includes Manulife's General Account assets and assets managed by Manulife Asset Management Private Markets and its affiliates. 2 Reflects originations denominated in US dollars, during the five year period ending on March 31, 2017. Includes fund purchases but excludes acquisitions made by the Standard Life real estate funds, prior to Manulife's acquisition of the Canadian operations of Standard Life Investments, which closed in January 2015. 3 As at March 31, 2017. 4 Reflects six largest office assets in the US, as measured by purchase price in dollars in the last five years (excluding principal transactions), owned by Manulife and / or a Private Markets advisory client and are managed by Manulife and/or its affiliates as at March 31, 2017. The citation of specific acquisitions is intended only to illustrate some of the investment methodologies and philosophies of Manulife Asset Management Private Markets,



## **Sponsor's Property Investment Process**

### Vertically integrated investment team works together

## Portfolio Management (Top Down)

## Transactions Team (Bottom Up)

#### **Asset Management**

Property Mgmt. and Leasing (Property-Level Ops)

- Develops portfolio strategy
- Works with transaction team and research team to establish target markets and identify investment opportunities
- Works with asset managers to develop strategies to maximize investment returns
- Communicates with Investors regarding portfolio activity and results

- Sources assets for various capital sources
- Performs due diligence on target assets
- Negotiates and closes acquisitions and dispositions

- Develops strategic plans for assets with a focus on value creation
- Works with portfolio team to develop business plan
- Directs property
   management and leasing
   teams to execute on the
   business plan
- Informs portfolio team on local market trends
- Reviews annual budgets

#### Property Management Concentrates on property

Concentrates on property operations

Focuses on tenant satisfaction

Recommends and manages capital improvement projects

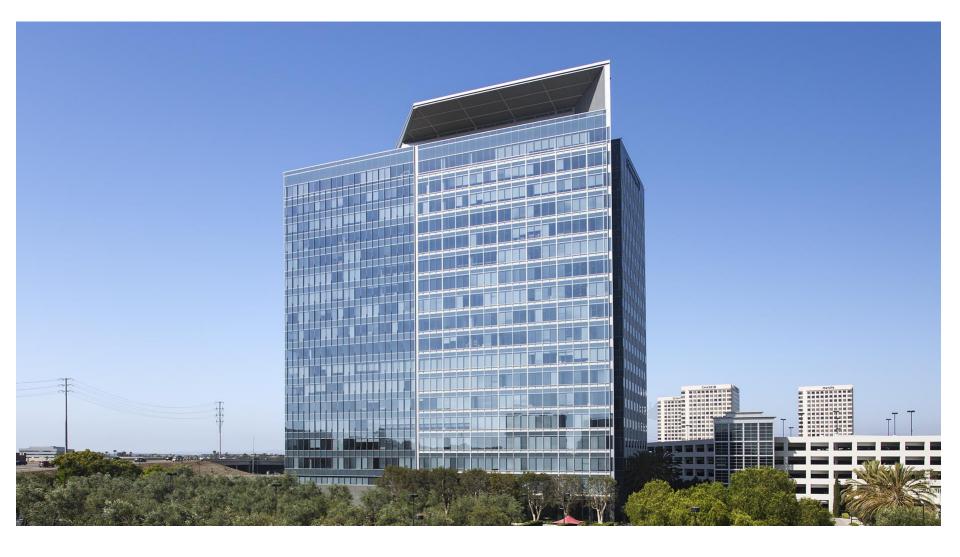
#### Leasing

Develops and maintains relationships with tenants and brokers

Strategic lease planning and executes on new leases and renewals

Note: For illustrative purposes only.





## **US Commercial Real Estate**



## Sponsor's US Commercial Real Estate Experience Portfolio Overview

#### Assets Under Management: \$8.1 billion<sup>1</sup>

Number of Properties84 ComplexesTotal Square Feet26.1M SFPortfolio Occupancy93%Total Residential UnitsOver 3,000Total Commercial Tenants²Over 1.000

Geography<sup>3</sup>

Property Type<sup>3</sup>





8%
Industrial





14% Office







11% Company

Own Use



**2%** Other



Chicago

Boston 20%

New York metro 9%

Washington D.C.

**Atlanta** 

Orlando 1%



San Francisco

Los Angeles 19%

San Diego

9%

<sup>&</sup>lt;sup>3</sup> Geographic and property type break outs for the US commercial real estate strategy only, based on market value, as at March 31, 2017. Totals may not sum due to rounding. Other includes ground rent and land/other.

## Sponsor's Recent Office Acquisitions in the US<sup>1</sup>



#### 5000 Birch Street Newport Beach, CA

- Two building 306,000 SF Class 'A' office project
- Built in 1982
- 73% leased
- Acquired November 2015



## 1750 Pennsylvania Avenue Washington, D.C.

- 13-story, 278,916 SF Class 'A' LEED Gold office building located in the Central Business District
- Built in 1964
- Renovated in 2014
- 97% leased
- Acquired September 2015



#### 535-545 Boylston Boston. MA

- Two interconnected, 13-story buildings totaling 185,000 SF
- 87% leased
- Acquired August 2016



## 17911 Von Karman Avenue Irvine, CA

- 5-story, 103,620 SF office building
- 89% leased
- Acquired September 2016

The presented recent transactions represent the last four US commercial real estate office acquisitions by Manulife Real Estate as of March 31, 2017. None of the four most recent acquisitions are held by the SREIT or under a Private Markets advisory account. The citation of specific acquisitions is intended only to illustrate some of the investment methodologies and philosophies of Manulife's US Commercial Real Estate. The material does not constitute an offer or an invitation by or on behalf of Manulife or its affiliates to any person to buy or sell any security. This material should not be viewed as a current or past recommendation or a solicitation of an offer to buy or sell any investment products or to adopt any investment strategy. The historical success, or the US Commercial Real Estate Strategy Team's belief in the future success, of any of the strategies is not indicative of, and has no bearing on, future results. Risk controls and other proprietary technology do not promise any level of performance or guarantee against loss of principal. Past performance is not indicative of future results. The securities/properties identified and described do not represent all of the securities/properties purchased, sold or recommended. It should not be assumed that an investment in these securities/properties or sectors was or will be profitable.



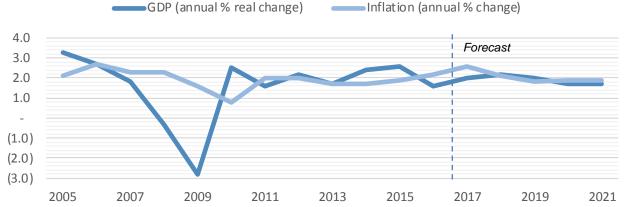


## **View on US Office Market Outlook**



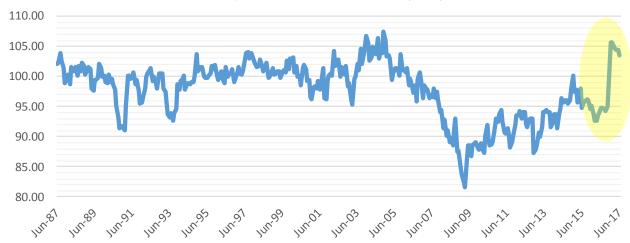
#### GDP Growth and Small Business Confidence





Source: US Bureau of Economic Analysis, US Bureau of Labor Statistics, Manulife Asset Management, as of June 2017.

#### Small Business Optimism Index, Seasonally Adjusted 1986=100



Source: NFIB Research Foundation, as of July 2017

#### **GDP Growth**

- US economy is on strong footing and we expect economic growth to continue in the medium-term
- However, investors have become much more bullish about growth, inflation and rate projections in both the United States and Europe. We agree with the consensus view on the direction of these indicators. however, we have a different view on the timing and pace of change. Without a boost to long-term productivity, we believe the US is fundamentally a 2% economy.

#### **Small Business Confidence**

- The soft data reflects confidence and survey data has been incredibly buoyant over the past six months.
- US consumer confidence already started to improve in early 2016, but continues to reach new post-crisis high every month. The NFIB Small Business Optimism Index went hyperbolic after the US election



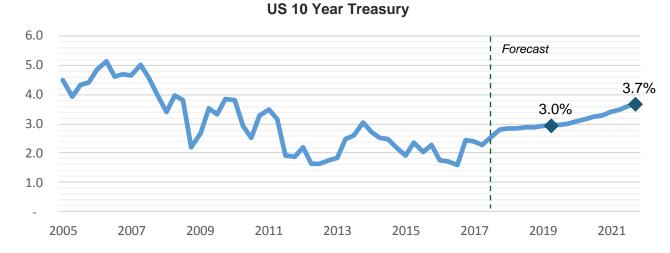
### Unemployment Rate and Interest Rate





#### Unemployment

- US labor market is very healthy with latest unemployment data for June 2017 at 4.4%; reaching precrisis lows
- Unemployment for educated labor (likely to be in office using employment), is particularly low at 2.4%



#### Interest Rate

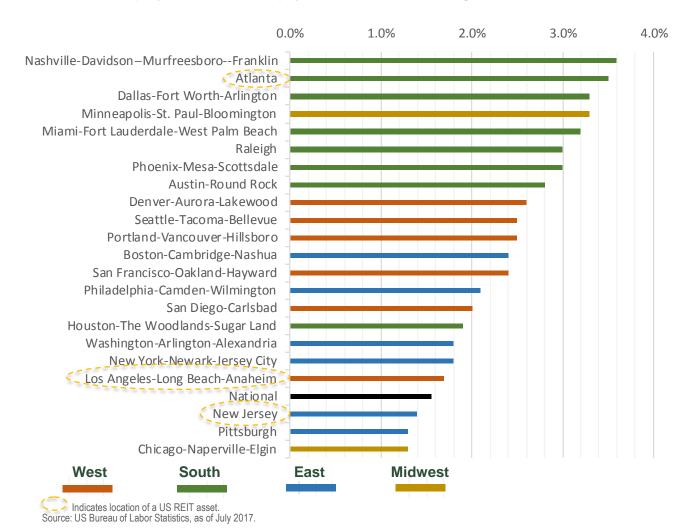
We expect long-term interest rates to gradually rise to 3.7% by end of 2021. Interest rate rise is a capital value risk factor. However given the strength of commercial real estate fundamentals and our positive macroeconomic outlook, we believe this risk is limited.

Source: Bloomberg, Manulife Asset Management, as of June 2017.



### Employment by Metro

Employees on nonfarm payrolls, 12 Month % change, as of June 2017



#### **Employment by Metro**

- Top metros for employment growth have been predominantly from the Southern US Regions, including: Nashville, Austin, Dallas, and Atlanta; with employment levels in all these metros surpassing their prior peaks
- A combination of lower cost of business and high quality educated workforce give these metros a competitive advantage to attract technology and other professional services companies. We expect these metros to continue to outperform national average in the medium-term
- Western metros have also performed very well in employment growth, however higher cost of business is expected to restrain future growth in some metros, particularly San Francisco



### Impact of Trump Administration

#### Range of Policies

- Most policy targets of the Trump administration are aimed at creating jobs, increasing wages but are also expected to be inflationary, all of which can potentially have a positive impact on commercial real estate markets
- However, given the challenges faced by administration to pass legislation, it would take some time before we can see any impact on the market

#### **Protectionist Trade**

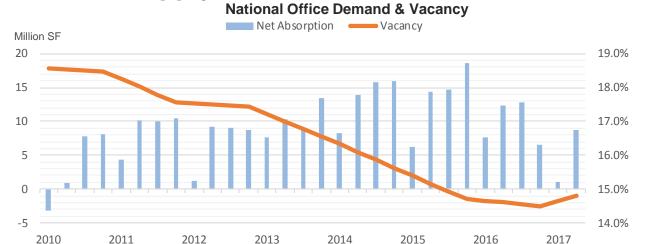
 If protectionist trade policies are put in place, certain industries that rely heavily in trade of parts and goods can potentially suffer setbacks. The risk is particularly higher for trade with China and Mexico and in automotive and electronics sectors.

#### **Curtailing Immigration**

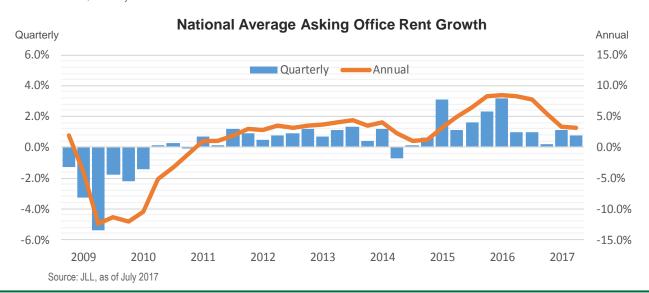
• More restrictive immigration policies could potentially limit employment growth. The risk is higher for metros that traditionally receive larger share of educated immigrants. Those metros include: San Jose, San Francisco, Miami, Los Angeles, New York, and Washington



## Office Supply, Demand & Rent Growth



Source: JLL, as of July 2017



#### Supply/Demand

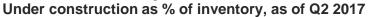
- Uncertain business environment earlier in the current recovery phase resulted in developments to lag demand and accordingly average vacancy continued to fall for 6 years straight from 2010 to 2016.
- The ratio of office space absorption to per new office using jobs has come down in the current cycle compared to prior years. The slower rate of absorption per employee can be attributed to increased office plan efficiency and more wide spread flexible working arrangements
- Given the strength of the labor market, particularly for educated labor, we expect employers to compete more on issues like quality of work environment, which can translate to higher demand for office space

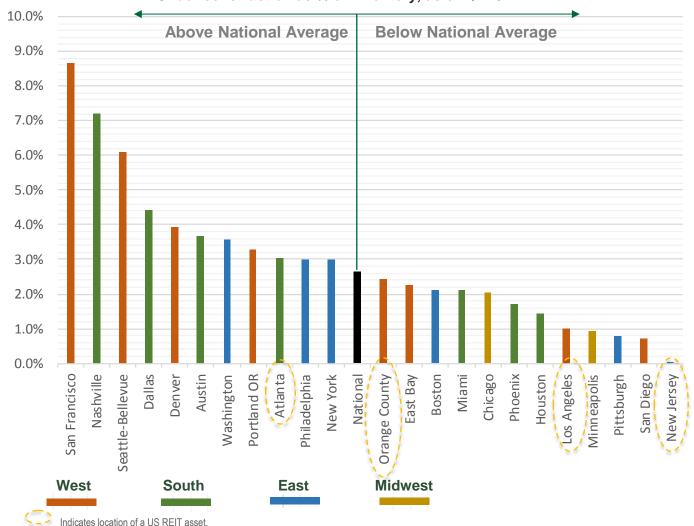
#### **Rent Growth**

- Improving supply demand fundamentals between 2013 to 2015 resulted in robust rent growth
- With increased supply rent growth started to moderate in 2016, however it still remains above long-term average at 3.2% annual growth as of Q2 2017
- Rent growth slowdown is expected to be more pronounced in metros with high level of supply under construction



### **Under Construction by Metro**





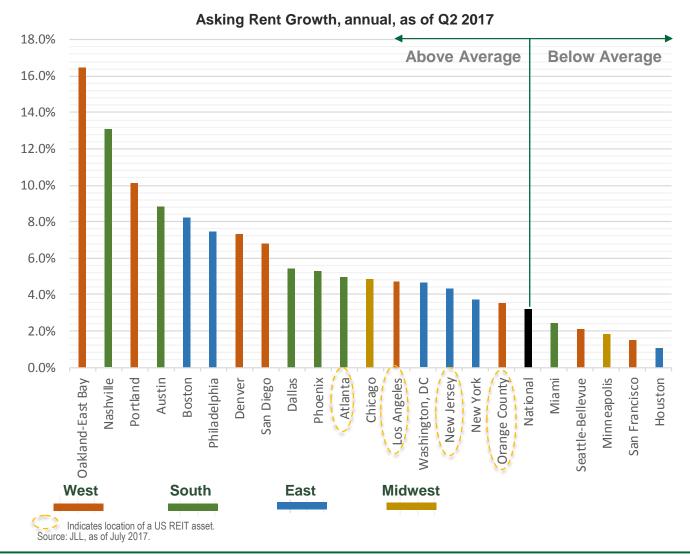
#### **Supply by Metro**

- Metros with high level of construction activities are expected to experience stronger rent moderation, given demand has peaked in most markets
- Construction activity has been more concentrated in highcost major metros in the current cycle; over half of the construction activities are concentrated in top submarkets



Source: JLL, as of July 2017.

### Rent Growth by Metro



#### **Rent Growth by Metro**

- East Bay continues to be the top market in terms of rent growth with over 16% annual growth as of Q2 2017, in clear contrast to San Francisco where rent growth has fallen sharply recently. These markets have similar tenant base, but high cost of San Francisco is the primary drag on its growth.
- Most major southern metros continue to enjoy strong rent growth above national average, as a result of healthy fundamentals and employment outlook



## Office Fundamentals **US Office CBD Key Rates**

			Class AA		Class A							Class B							
						Expected Return on							Expected Return on						
		CAP RA	TES FOR		CAP RA	TES FOR		Cost for \	alue-Add		CAP RATES FOR Cost for Value-Add								
		STABLIZED	PROPERTIES	Change <sup>1</sup>	STABLIZED	PROPERTIES	Change <sup>1</sup>	Prop	erties	Change <sup>1</sup>	STABLIZED I	PROPERTIES	Change <sup>1</sup>	Prop	erties	Change <sup>1</sup>			
		Low	High		Low	High		Low	High		Low	High		Low	High				
	Boston	4.50%	5.25%	<b>↑</b>	4.75%	5.50%	<b>↑</b>	6.25%	7.25%	<b>↑</b>	4.75%	5.75%	<b>↑</b>	7.25%	8.25%	<b>↑</b>			
	Chicago	4.75%	5.50%	<b>↑</b>	5.50%	6.00%	_	7.00%	7.50%	_	6.25%	7.25%	_	7.75%	8.75%	_			
	N. CA: Oakland	4.50%	5.25%	_	5.50%	6.25%	_	6.75%	7.75%	_	6.50%	7.50%	<b>\</b>	7.75%	9.00%	₩			
	N. CA: San Francisco	4.25%	4.75%	_	4.50%	5.00%	<b>\</b>	6.00%	6.50%	<b>↑</b>	5.00%	6.00%	<b>\</b>	6.50%	7.00%	_			
	N. CA: Sa Jose	-	-		6.00%	7.00%	_	7.00%	8.00%	_	6.75%	7.75%	_	7.75%	9.00%	_			
r 1	NY: New York City	4.00%	5.00%	<b>↑</b>	4.00%	5.00%	<b>↑</b>	4.50%	5.50%	_	4.50%	5.50%	<b>↑</b>	4.50%	5.50%	_			
<u>•</u>	NY: Stamford	-	-		7.00%	7.75%	_	8.75%	9.25%	_	8.00%	8.50%	_	9.75%	10.25%	_			
_	S. CA: Los Angeles	3.50%	4.50%	_	4.50%	5.50%	_	4.50%	5.50%	_	5.50%	6.50%	_	7.00%	8.00%	_			
	S. CA: Orange County	3.50%	4.50%	_	4.50%	5.50%	_	6.00%	7.00%	_	5.50%	6.50%	_	7.00%	8.00%	_			
	S. FL: Miami <sup>2</sup>	-	-		5.00%	6.50%	_	6.00%	7.50%	_	6.00%	7.00%	_	7.00%	8.00%	_			
	Seattle	4.25%	4.75%	_	4.25%	5.25%	_	5.75%	7.00%	_	5.25%	6.00%	_	6.50%	7.50%	_			
	Washington, D.C.	4.25%	4.75%	_	4.75%	5.50%	_	6.00%	7.00%	_	5.00%	5.75%	_	7.00%	8.00%	_			

			Class AA		Class A							Class B							
		CAP RATES FOR STABLIZED PROPERTIES Change <sup>1</sup>			CAP RATES FOR STABLIZED PROPERTIES Change <sup>1</sup>			Cost for Value-Add Properties Change			CAP RA	TES FOR PROPERTIES	Change <sup>1</sup>		Cost for Value-Add Properties				
		Low	High		Low	High		Low	High		Low	High		Low	High				
	Atlanta	5.50%	6.00%	_	6.00%	6.75%	_	6.75%	7.50%	<b>1</b>	7.25%	8.25%	<b>1</b>	7.75%	8.75%	1			
	Austin	5.00%	5.50%	_	5.00%	5.75%	_	7.00%	8.00%	_	5.75%	6.75%	_	7.75%	8.75%	_			
	Dallas/Ft. Worth	5.50%	6.50%	_	6.25%	7.50%	_	8.25%	10.00%	_	8.50%	10.00%	_	9.50%	11.00%	_			
7	Denver	5.00%	5.75%	_	5.25%	6.00%	_	6.25%	7.50%	_	6.50%	7.50%	_	7.00%	8.00%	_			
	Houston	6.25%	6.50%	_	6.50%	7.00%	_	5.00%	9.00%	_	7.50%	8.00%	_	9.00%	10.00%	_			
Tier	Minneapolis	5.00%	5.50%	_	5.50%	6.50%	_	7.00%	8.00%	_	7.50%	8.50%	_	9.00%	10.00%	_			
_	Philadelphia	5.75%	6.25%	_	6.50%	7.00%	_	7.50%	8.50%	_	7.50%	8.00%	_	8.50%	9.50%	_			
	Phoenix	5.75%	6.25%	_	6.25%	6.75%	_	6.50%	7.00%	_	6.75%	7.50%	_	7.25%	8.25%	_			
	Portland	4.75%	5.25%		5.50%	6.25%	_	6.25%	7.25%	_	6.25%	7.25%	_	7.50%	8.50%	_			
, 	San Diego	5.50%	6.00%		5.50%	6.00%	_	6.00%	7.00%		5.50%	6.50%	_	7.00%	8.00%	_			

Compared with H2 2016. Changes less than 15 bps considered stable.
 Covers the three-county Miami MSA.
 Note: Data is subject to historical revision.

Source: CBRE Research. Markets represented by metropolitan areas. For larger metros, tier designation is based on the US Census Bureau's combined statistical area ("CSA") definitions. Note that MSAs retain some tier designations as the CSA to which they belong.



## **Office Fundamentals US Office Suburban Key Rates**

			Class AA		Class A							Class B							
					Expected Return on								Return on						
		CAP RA	TES FOR		CAP RATES FOR Cost for Value-Add						CAP RA	TES FOR		Cost for V					
		STABLIZED	PROPERTIES	Change <sup>1</sup>	STABLIZED PROPERTIES		Change <sup>1</sup>	Properties		Change <sup>1</sup>	STABLIZED PROPERTIES		Change <sup>1</sup>	Properties		Change <sup>1</sup>			
		Low	High		Low	High		Low	High		Low	High		Low	High				
	Boston	6.50%	7.00%	$\uparrow$	6.50%	7.50%	$\uparrow$	7.50%	8.50%	<b>1</b>	8.00%	9.50%	$\uparrow$	9.50%	11.25%	<b>1</b>			
	Chicago	7.75%	8.25%	$\uparrow$	8.00%	9.00%	$\uparrow$	9.25%	11.00%	<b>1</b>	8.50%	10.00%	_	10.50%	12.75%	_			
	N. CA: Oakland	5.50%	6.50%	_	6.00%	6.75%	_	7.00%	8.00%	_	6.50%	8.00%	_	8.00%	9.00%	<b>↑</b>			
	N. CA: San Francisco	5.25%	6.25%	_	6.00%	6.75%	_	7.00%	7.75%	_	6.50%	7.75%	_	7.75%	8.75%	_			
	N. CA: Sa Jose	5.25%	6.50%	_	6.00%	6.75%	_	7.00%	7.75%	_	6.50%	7.75%	_	7.75%	9.00%	_			
r 1	NY: N. New Jersey	5.75%	6.25%	$\uparrow$	6.75%	7.25%	$\uparrow$	7.75%	8.25%	1	8.25%	8.75%	$\uparrow$	9.25%	9.75%	<b>↑</b>			
Tier	NY: Stamford	-	-		8.25%	8.75%	_	10.25%	10.75%	_	9.00%	9.50%	_	11.25%	11.75%	_			
·	S. CA: Los Angeles	5.00%	5.50%	_	5.50%	6.50%	_	6.50%	7.50%	_	6.50%	7.50%	_	7.50%	8.50%	_			
	S. CA: Orange County	5.00%	5.50%	_	5.50%	6.50%	_	6.50%	7.50%	_	6.75%	7.75%	_	7.75%	8.75%	_			
	S. FL: Miami <sup>2</sup>	-	-		6.50%	7.25%	$\downarrow$	7.50%	8.25%	<b>↓</b>	7.50%	8.50%	$\downarrow$	8.50%	9.50%	$\downarrow$			
	Seattle	5.25%	5.75%	_	5.75%	6.50%	_	6.50%	7.50%	_	6.75%	7.50%	_	7.50%	8.50%	_			
	Washington, D.C.	5.00%	6.00%	_	6.00%	6.75%	_	7.00%	8.50%	_	7.00%	8.00%	_	8.50%	9.75%	_			

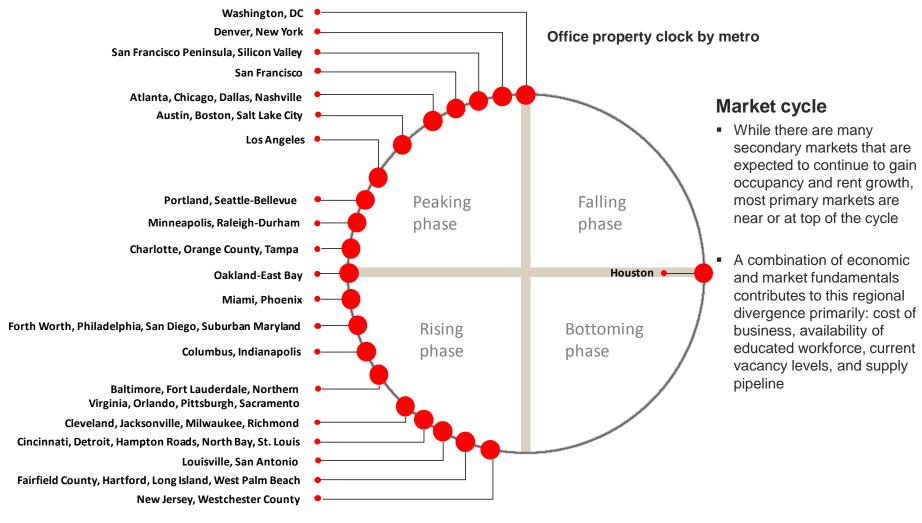
			Class AA		Class A							Class B							
		CAP RATES FOR STABLIZED PROPERTIES Change <sup>1</sup>			CAP RATES FOR STABLIZED PROPERTIES Change <sup>1</sup>			Cost for Value-Add Properties		Change <sup>1</sup>		TES FOR PROPERTIES	Change <sup>1</sup>	Cost for Value-Add Properties		Change <sup>1</sup>			
		Low	High		Low	High		Low	High		Low	High		Low	High				
	Atlanta	6.00%	6.75%	_	6.50%	7.25%	_	7.00%	8.25%	_	7.25%	8.25%	_	8.00%	9.00%	_			
	Austin	6.00%	6.75%	_	6.25%	7.00%	_	7.75%	8.50%	_	7.00%	7.75%	_	8.00%	9.25%	_			
	Dallas/Ft. Worth	6.00%	7.00%	<b>↑</b>	6.75%	7.75%	_	7.25%	8.50%	_	8.50%	9.50%	<b>1</b>	8.75%	9.75%	_			
	Denver	5.75%	6.25%	_	6.75%	8.00%	_	7.50%	8.25%	$\downarrow$	7.50%	9.00%	$\downarrow$	8.25%	9.25%	_			
r 2	Houston	6.25%	6.50%	-	6.75%	7.25%	<b>↑</b>	8.00%	9.00%	_	8.00%	8.50%	_	9.00%	10.00%	_			
Tie	Minneapolis	-	-		6.25%	7.25%	_	8.50%	9.50%	_	7.75%	8.75%	_	9.50%	10.50%	_			
_	Philadelphia	6.50%	7.00%	-	8.00%	9.00%	_	9.00%	10.00%	_	9.50%	10.50%	_	10.00%	12.00%	_			
	Phoenix	5.75%	6.25%	_	6.25%	6.75%	_	6.50%	7.00%	_	7.00%	8.00%	<b>1</b>	7.50%	8.50%	1			
	Portland	6.25%	7.00%	<b>↑</b>	6.50%	7.50%	_	8.00%	9.00%	_	7.25%	8.25%	<b>1</b>	8.00%	9.50%	1			
	San Diego	5.00%	5.50%	_	5.50%	6.50%	_	6.50%	7.50%	_	6.50%	7.50%	_	7.50%	8.50%	_			

Compared with H2 2016. Changes less than 15 bps considered stable.
 Covers the three-county Miami MSA.
 Note: Data is subject to historical revision.

Source: CBRE Research. Markets represented by metropolitan areas. For larger metros, tier designation is based on the US Census Bureau's combined statistical area ("CSA") definitions. Note that MSAs retain some tier designations as the CSA to which they belong.



#### United States Office Rental Clock



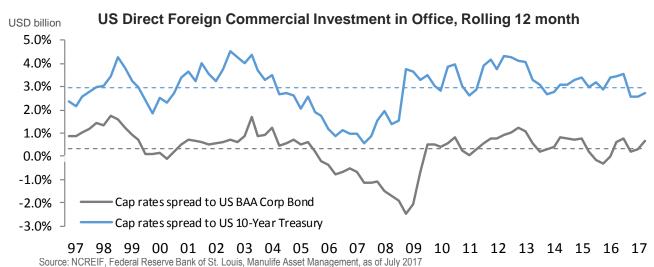




## Capital Markets US Office Investment Market



Source: Real Capital Analytics, Manulife Asset Management, as of July 2017



#### **Total US CRE Volume**

• Investment demand for US commercial real estate remains strong. Total volume in 2016 was just shy of \$500 billion and for the first half of 2017 transactions have totaled \$213 billion. Transaction volumes usually increase in the second half of the year by average of 30%, accordingly we expect total volume for 2017 to come to \$480 billion in line with 2016 volume.

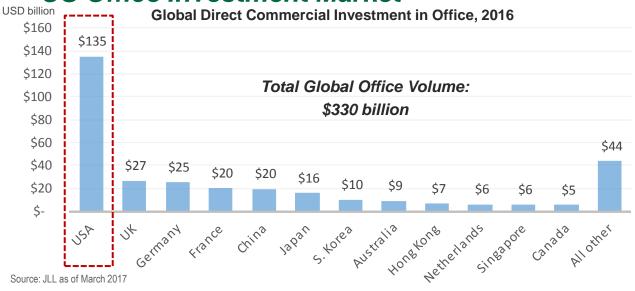
#### **Relative Valuation**

- Relative valuation of real estate compared to risk free rate is in line with long-term average; as of Q2 2017 average cap rate of NCREIF Property Index (NPI) was 5.02% and 10 year treasury yield was 2.31%, a spread of 271 bps, compared to 20 year average spread of 295 bps.
- Real Estate valuation relative to risky corporate bond yields also is in line with long-term averages at 0.65% compared to long-term average of 0.33%.



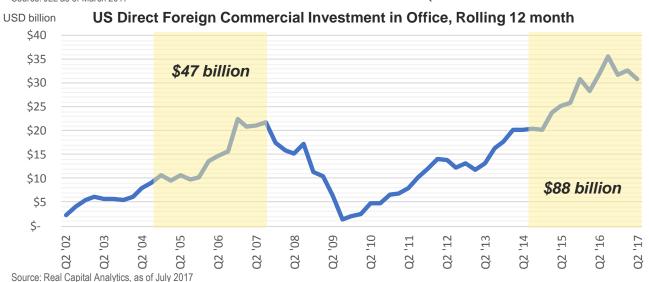
## **Capital Markets**

#### US Office Investment Market



#### **Global Volume**

- US is by far the largest and most liquid commercial real estate market in the world
- With \$135B investment volume, US office market accounted for 41% of total global office investment in 2016



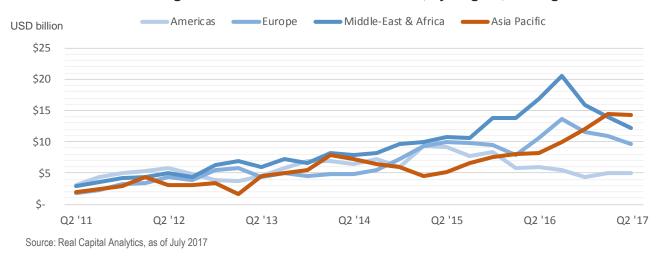
#### **US Foreign Volume**

- In addition to increased local demand for investment, foreign investment has also accelerated
- Total foreign investment into US Office asset was \$88 billion for the three years ending Q2 2017, almost double the 3 year total volume 10 years ago

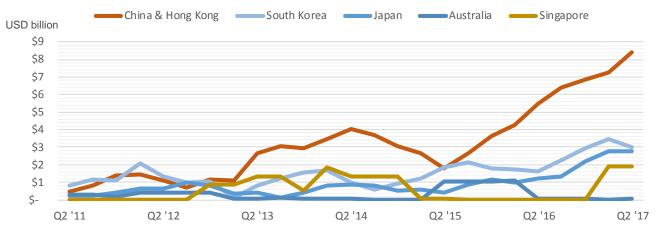


## Capital Markets US Office Investment Market

#### US Direct Foreign Commercial Investment in Office, by Region, Rolling 12 month



#### US Direct Foreign Commercial Investment in Office, Asia Pacific Countries, Rolling 12 month



Source: Real Capital Analytics, as of July 2017

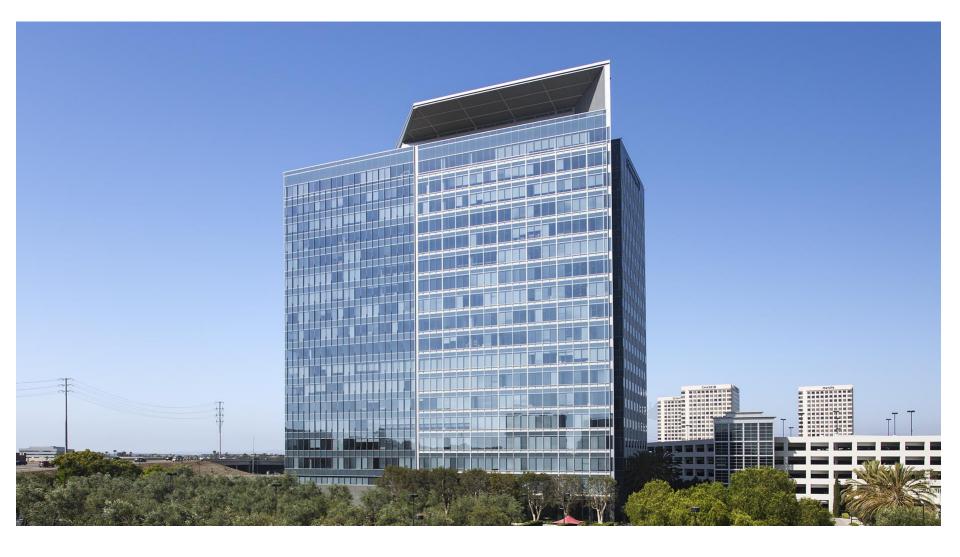
## US Foreign Volume, by Region

- Asia Pacific has become the top source of capital for investment in US office in first half of 2017
- Asia pacific growth comes predominately from China and Hong Kong
- The biggest drop in investment has been from Middle Eastern capital due to drop in national oil revenues

## US Foreign Volume, Asia Pacific Breakdown

- Investment into US office from China & Hong King has grown exponentially over the last 24 months
- US office investment from China and Hong Kong was \$8.4 billion for 12 months ending Q2 2017, nearly 5x the volume just 2 years ago





## **Appendix**



# Sponsor's Experienced, Stable Real Estate Investment Team



**Ted Willcocks** 

Global Head of Asset Management, Manulife Real Estate Portfolio Manager, Hancock Capital Investment

Management

Experience: 24 years of experience

in real estate operations

At Manulife: 14 years

Past Firms: Brookfield Properties,

CB Richard Ellis

Education: BS, McGill University



**Michael McNamara** 

Global Head of Investments, Manulife Real Estate

Officer.

Hancock Capital Investment

Management

Experience: 36 years of experience in real

estate investments

At Manulife: 2 years

Past Firms: Brookfield Office Properties,

Trecap Partners, Lehman Brothers, Lend Lease Real Estate, Equitable Real Estate

**Education:** BS, St. John's University



**Paul Crowley** 

Managing Director, US Asset Management

Officer.

Hancock Capital Investment

Management

**Experience**: 31 years of experience in

real estate

At Manulife: 13 years

Past Firms: Beacon Capital Partners

Management, Harvard Pilgrim Health Care, Spaulding & Slye

(now known as JLL)

Education: BS, Babson College

MBA, Babson College



**Matthew Morano** 

Portfolio Manager, Hancock Capital Investment Management<sup>1</sup>

Separate Account

Experience: 13 years of experience

in real estate

At Manulife: 3 years

Past Firms: Sun Life, Berkeley

Investments, Marcus

**Partners** 

Education: BBA, University of

Massachusetts, MSF, Boston College



#### Quazi Sadruzzaman

Portfolio Manager, Hancock Capital Investment Management

Public REIT

**Experience**: 12 years of experience

in real estate

At Manulife: 2 years

Past Firms: Clarion Partners. The

Davis Companies, State Street Corp.

Education: BS, University of

Massachusetts, MSF, Brandeis University



#### **Matthew Warner**

Portfolio Manager, Hancock Capital Investment Management

**Experience:** 12 years of experience

in real estate

At Manulife: 1 year

Commingled Fund

Past Firms: Welch Management

Company, The Bulfinch Companies, The Debt Exchange, Colony

Capital

Education: BA, Boston College

MS, Massachusetts Institute of Technology



# Important Notes Regarding Forward-Looking Statements

The statements made in this presentation include forward-looking statements regarding the estimated developments of several macroeconomic factors including but not limited to working age population growth, educational attainment, real estate metrics such as net absorptions, net completions and vacancy rates. These forward-looking statements are only estimates consistent with the information available to Manulife Asset Management Private Markets and its affiliates (collectively, "Manulife") as of the date of this presentation. Such forward-looking statements involve known and unknown risks and uncertainties such that actual future developments of macroeconomic factors may differ materially from these forward-looking statements. Undue reliance should not be placed on forward-looking statements, which speak only as of the date hereof. There is no obligation for Manulife to update or alter any forward-looking statements, whether as a result of new information, future events or otherwise. All forward-looking statements contained herein are qualified in their entirety by the foregoing cautionary statements.



## **Important Notice**

This presentation is for information purposes only and does not constitute or form part of an offer, invitation or solicitation of any offer to purchase or subscribe for any securities of Manulife US REIT in Singapore or any other jurisdiction nor should it or any part of it form the basis of, or be relied upon in connection with, any contract or commitment whatsoever. The value of units in Manulife US REIT ("**Units**") and the income derived from them may fall as well as rise. The Units are not obligations of, deposits in, or guaranteed by the Manager, DBS Trustee Limited (as trustee of Manulife US REIT) or any of their respective affiliates. The past performance of Manulife US REIT is not necessarily indicative of the future performance of Manulife US REIT.

This presentation may contain forward-looking statements that involve risks and uncertainties. Actual future performance, outcomes and results may differ materially from those expressed in forward-looking statements as a result of a number of risks, uncertainties and assumptions. These forward-looking statements speak only as at the date of this presentation. No assurance can be given that future events will occur, that projections will be achieved, or that assumptions are correct. Representative examples of these factors include (without limitation) general industry and economic conditions, interest rate trends, cost of capital and capital availability, competition from similar developments, shifts in expected levels of office rental revenue, changes in operating expenses, property expenses, governmental and public policy changes and the continued availability of financing in the amounts and the terms necessary to support future business.

Investors are cautioned not to place undue reliance on these forward-looking statements, which are based on current view of management on future events.

Holders of Units ("**Unitholders**") have no right to request that the Manager redeem or purchase their Units while the Units are listed. It is intended that Unitholders may only deal in their Units through trading on Singapore Exchange Securities Trading Limited (the "**SGX-ST**"). Listing of the Units on the SGX-ST does not guarantee a liquid market for the Units.

DBS Bank Ltd. was the Sole Financial Adviser and Issue Manager for the initial public offering of Manulife US Real Estate Investment Trust ("Offering"). DBS Bank Ltd., China International Capital Corporation (Singapore) Pte. Limited, Credit Suisse (Singapore) Limited and Deutsche Bank AG, Singapore Branch were the Joint Bookrunners and Underwriters for the Offering.

