

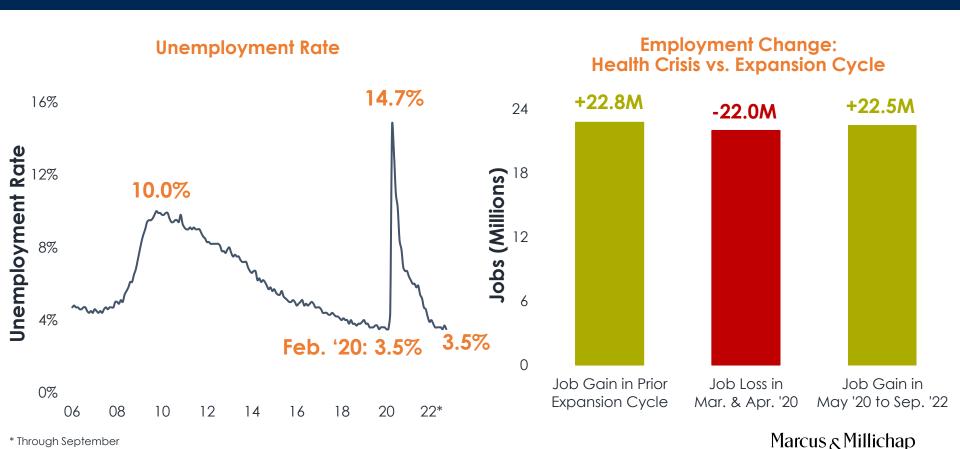
#### NORTHWEST FORUM

#### **PRESENTED BY**

**JOHN S. SEBREE** 

National Director – National Multi Housing Group John.Sebree@marcusmillichap.com 312.327.5417

### LABOR MARKET SHED A DECADE OF JOB GAINS IN TWO MONTHS; JOB MARKET HAS FULLY RECOVERED PANDEMIC LOSSES



Expansion Cycle: March 2010 to February 2020 Sources: Marcus & Millichap Research Services, BLS

### JOB OPENINGS EXPERIENCED SLIGHT FALL, BROAD LABOR SHORTAGE REMAINS



<sup>\*</sup> Through August; unemployed workers through September Sources: Marcus & Millichap Research Services, BLS

### NATIONAL EMPLOYMENT RANK BY METRO Y-O-Y ABSOLUTE CHANGE THROUGH AUGUST 2022

Top 10 Metros	Absolute Change	Percent Change
Dallas-Fort Worth	268,600	6.9%
New York	266,600	6.2%
Chicago	200,000	4.4%
Houston	193,600	6.3%
Atlanta	154,700	5.5%
Los Angeles	136,300	3.1%
Philadelphia	122,400	4.3%
Boston	116,000	4.3%
Northern New Jersey	100,200	4.9%
Seattle-Tacoma	92,500	4.6%
U.S. Total	5,851,000	4.0%

Bottom 10 Metros	Absolute Change	Percent Change
Cincinnati	-200	0.0%
Kansas City	6,100	0.6%
Milwaukee	11,600	1.4%
St. Louis	20,000	1.5%
Columbus	20,300	1.8%
Indianapolis	22,800	2.1%
Cleveland	26,600	2.6%
West Palm Beach	28,700	4.5%
Sacramento	31,100	3.0%
Jacksonville	32,800	4.4%
U.S. Total	5,851,000	4.0%

Portland: (63,500, 5.4%)

Sources: Marcus & Millichap Research Services, BLS

#### NATIONAL EMPLOYMENT RANK BY METRO Y-O-Y PERCENT CHANGE THROUGH AUGUST 2022

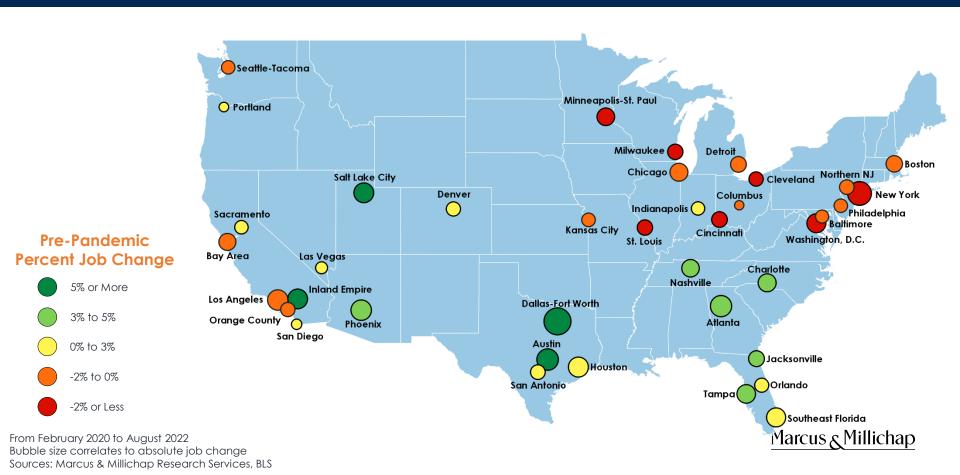
Top 10 Metros	Absolute Change	Percent Change	Bottom 10 Metros	Absolu Chang
allas-Fort Worth	268,600	6.9%	Cincinnati	-200
Niami	79,700	6.7%	Kansas City	6,100
an Francisco	70,900	6.4%	Milwaukee	11,600
Houston	193,600	6.3%	St. Louis	20,000
New York	266,600	6.2%	Columbus	20,300
Austin	65,200	5.5%	Indianapolis	22,800
Atlanta	154,700	5.5%	Cleveland	26,600
Charlotte	67,500	5.4%	Minneapolis-St. Paul	50,400
Portland	63,500	5.4%	Washington, D.C.	86,000
nland Empire	83,600	5.3%	Baltimore	40,200
J.S. Total	5,851,000	4.0%	U.S. Total	5,851,000

Marcus & Millichap

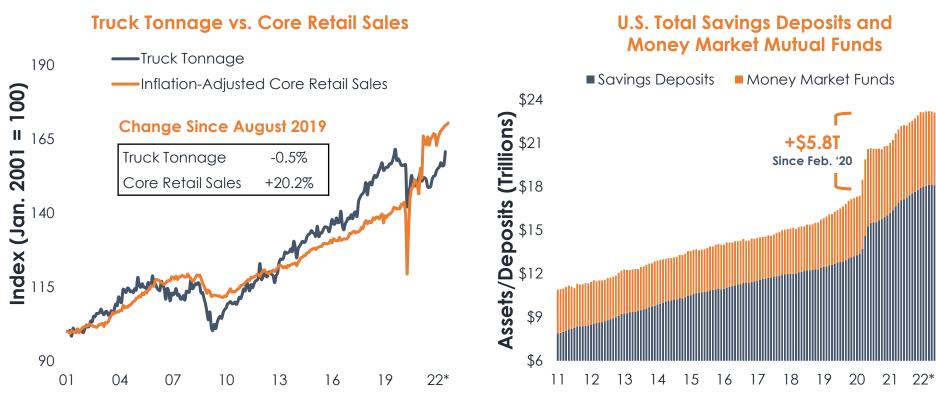
Seattle-Tacoma: (92,500, 4.6%)

Sources: Marcus & Millichap Research Services, BLS

#### EMPLOYMENT RECOVERY MAP; PERCENT CHANGE FROM PRE-PANDEMIC LEVELS



#### SUPPLY CHAIN PROBLEMS FORCING SUPPLY/DEMAND DISCONNECT; SAVINGS OVERHANG IMPAIRS IMPACT OF RATE HIKES



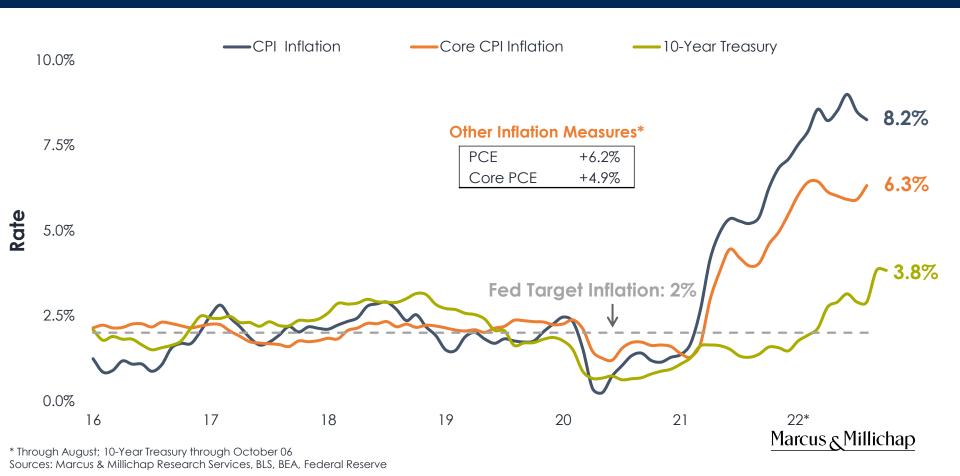
<sup>\*</sup> Through August; Truck tonnage through June Adjusted for inflation using core PCE Core retail sales exclude auto and gasoline sales

#### CORE INFLATION (CORE CPI) VS. 10-YEAR TREASURY

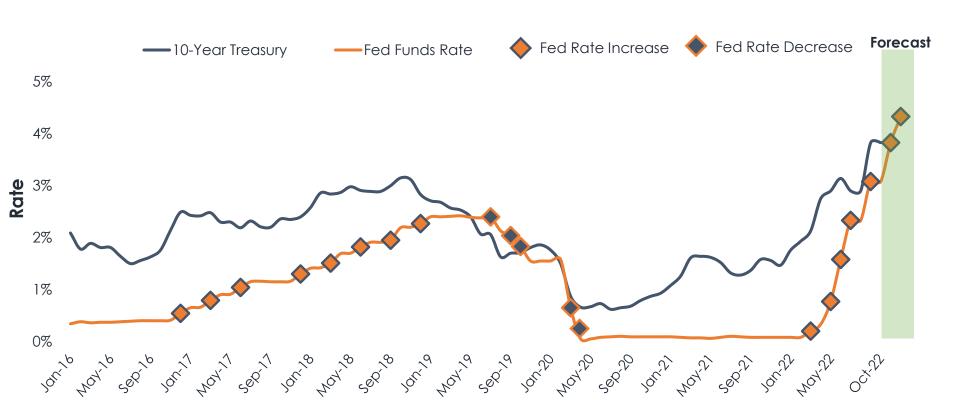


<sup>\*</sup> Core inflation through August; 10-Year Treasury through October 06 Sources: Marcus & Millichap Research Services, Federal Reserve, BLS

#### INFLATION PRESSURE BEGINNING TO ABATE BUT STUBBORNLY HIGH

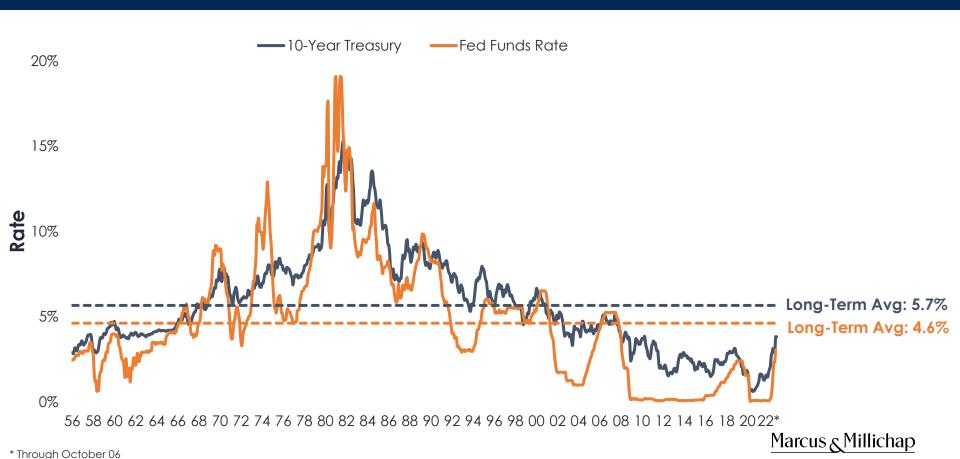


#### FED SIGNALING CONTINUED AGGRESSIVE RATE HIKE SCHEDULE



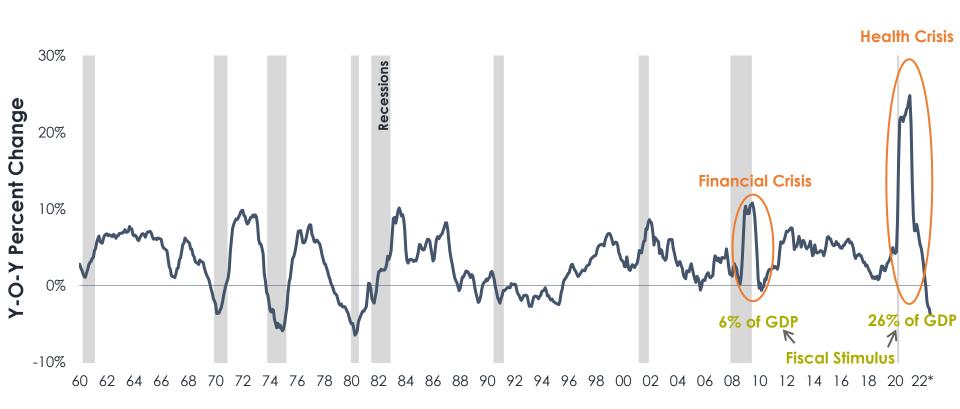
As of October 06, 2022

### INTEREST RATES ARE STILL LOW ON HISTORICAL BASIS "WHAT'S THE PROBLEM FOLKS?"



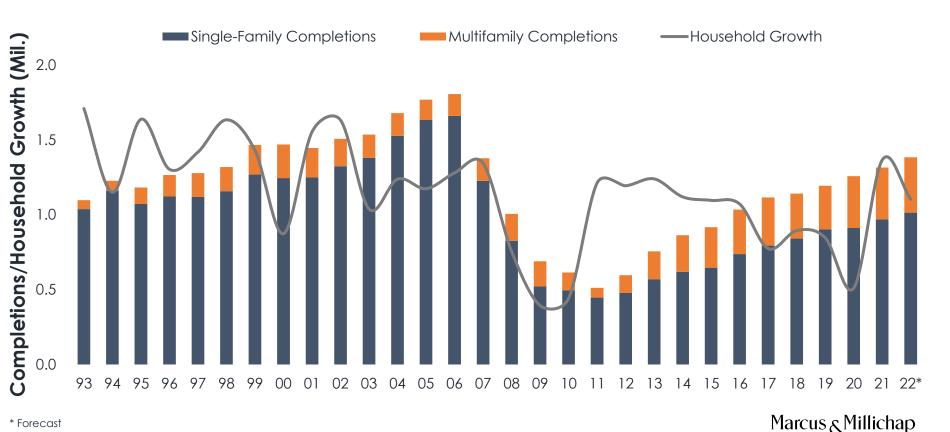
Sources: Marcus & Millichap Research Services, Federal Reserve

### REAL MONEY SUPPLY (M2) INCREASE UNPRECEDENTED AS FED URGENTLY MOVED TO OFFSET PANDEMIC



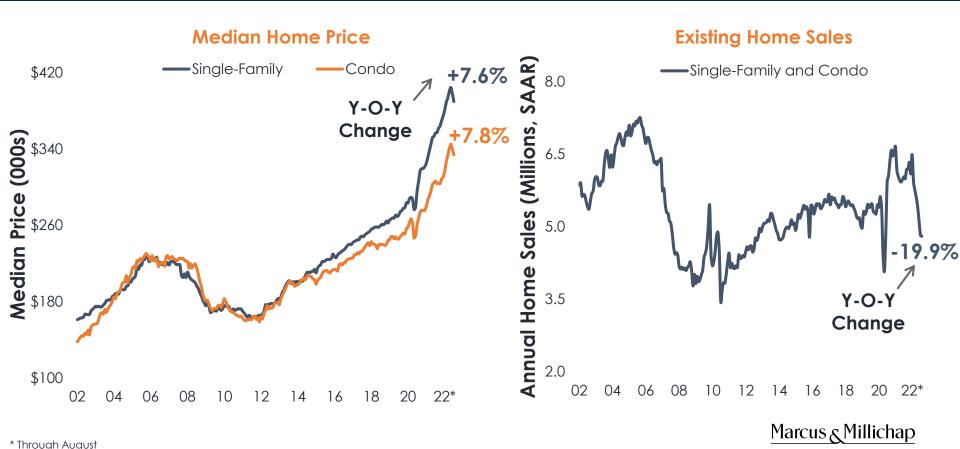
<sup>\*</sup> Through August
Real M2 includes inflation-adjusted cash, checking deposits, savings deposits, money market securities,
mutual funds and other time deposits

#### STRUCTURAL SHORTAGE OF HOUSING PERSISTS, CONSTRAINING HOUSEHOLD FORMATION



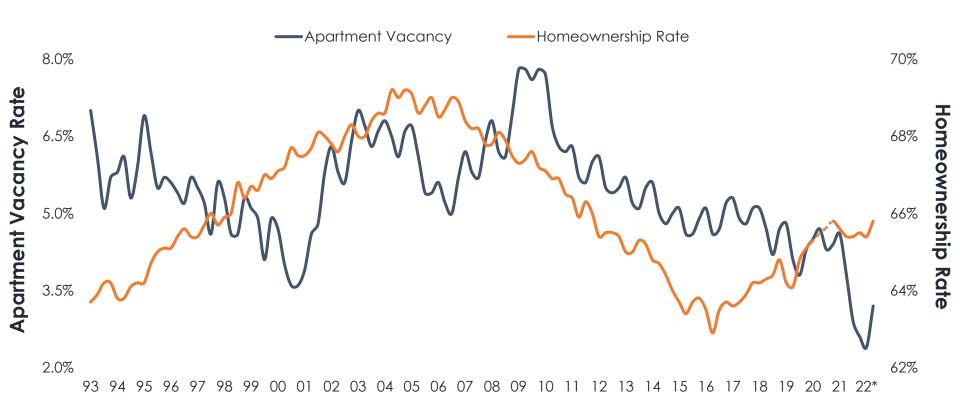
<sup>\*</sup> Forecast
Forecast using Moody's September 2022 baseline forecast
Sources: Marcus & Millichap Research Services, U.S. Census Bureau, RealPage, Inc., Moody's Analytics

#### HOME PRICE AND SALES TRENDS



Sources: Marcus & Millichap Research Services, National Association of Realtors

#### APARTMENT VACANCY VS. HOMEOWNERSHIP RATE



\* Through 2Q
Imputed homeownership rate for 2Q 2020 to 4Q 2020, actual survey data from the U.S. Census Bureau cites significant anomalies caused by the health crisis Sources: Marcus & Millichap Research Services, RealPage, Inc., U.S. Census Bureau

# YOUNG ADULT POPULATION TRENDS SUBURBS WELL-POSITIONED DEMOGRAPHICALLY

### NATIONAL YOUNG ADULT POPULATION RANK BY METRO FIVE-YEAR ABSOLUTE CHANGE

Top 10 Metros	Absolute Change	Percent Change	Bottom 10 Metros	Absolute Change	Perce Chan
Dallas-Fort Worth	114,800	6.8%	New York	-123,200	-6.2%
Houston	102,400	6.6%	Los Angeles	-111,500	-4.9%
Phoenix	56,700	5.3%	Chicago	-65,400	-3.3%
Austin	55,200	9.8%	Detroit	-59,100	-7.1%
Atlanta	52,400	4.0%	Philadelphia	-57,000	-4.6%
Salt Lake City	49,500	7.7%	Boston	-38,700	-3.5%
Las Vegas	34,800	7.0%	Orange County	-35,700	-5.5%
Denver	34,200	5.0%	Baltimore	-32,400	-5.7%
San Antonio	31,900	5.5%	San Diego	-32,400	-4.1%
Orlando	29,000	5.0%	Northern New Jersey	-26,700	-3.4%
U.S. Total	-1,045,000	-1.5%	U.S. Total	-1,045,000	-1.5%

Five-year period: 2021 to 2026

Portland: (8,400, 1.6%); Seattle-Tacoma: (5,600, 0.6%)

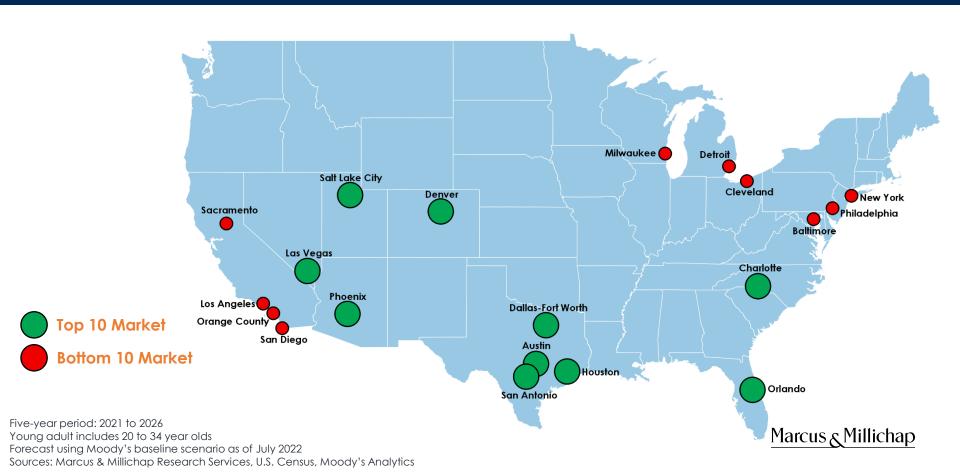
### NATIONAL YOUNG ADULT POPULATION RANK BY METRO FIVE-YEAR PERCENT CHANGE

Top 10 Metros	Absolute Change	Percent Change	Bottom 10 Metros	Absolute Change	Percen Change
Austin	55,200	9.8%	Detroit	-59,100	-7.1%
Salt Lake City	49,500	7.7%	New York	-123,200	-6.2%
Las Vegas	34,800	7.0%	Cleveland	-22,700	-5.9%
Dallas-Fort Worth	114,800	6.8%	Baltimore	-32,400	-5.7%
Houston	102,400	6.6%	Orange County	-35,700	-5.5%
San Antonio	31,900	5.5%	Milwaukee	-16,400	-5.3%
Phoenix	56,700	5.3%	Los Angeles	-111,500	-4.9%
Orlando	29,000	5.0%	Sacramento	-23,700	-4.8%
Denver	34,200	5.0%	Philadelphia	-57,000	-4.6%
Charlotte	25,600	4.6%	San Diego	-32,400	-4.1%
U.S. Total	-1,045,000	-1.5%	U.S. Total	-1,045,000	-1.5%

Five-year period: 2021 to 2026

Portland: (8,400, 1.6%); Seattle-Tacoma: (5,600, 0.6%)

### NATIONAL YOUNG ADULT POPULATION GROWTH BY METRO; FIVE-YEAR PERCENT CHANGE



## APARTMENT MARKET SUPPLY AND DEMAND OVERVIEW AND OUTLOOK

#### NATIONAL APARTMENT VACANCY VS. CONSTRUCTION

Sources: Marcus & Millichap Research Services, RealPage, Inc.

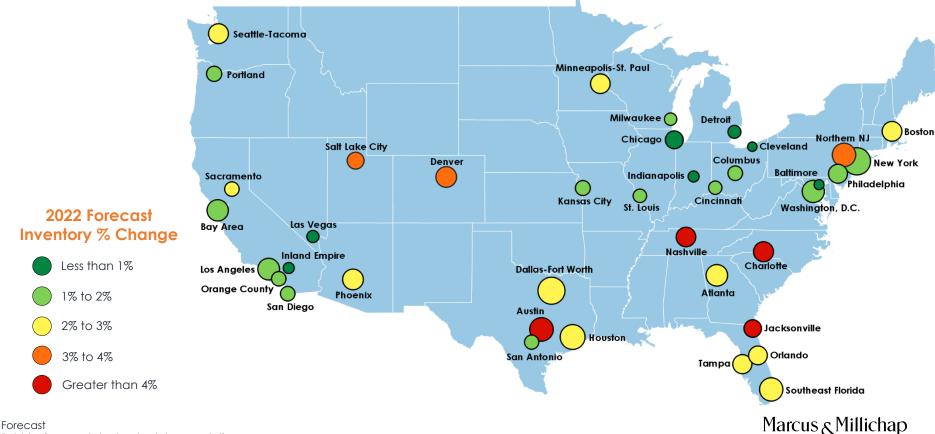


## NATIONAL APARTMENT RANK BY METRO 2022 COMPLETIONS

Top 10 Metros	2022* Completions	Y-O-Y Inv. % Change	Bottom 10 Metros	2022* Completions	Y-O-Y I % Chan
New York	21,000	1.0%	Cleveland	800	0.5%
Dallas-Fort Worth	20,500	2.3%	Baltimore	850	0.4%
Houston	16,400	2.3%	Indianapolis	1,100	0.7%
Austin	14,200	5.2%	Inland Empire	1,100	0.6%
Northern New Jersey	14,000	3.3%	Las Vegas	1,600	0.7%
Washington, D.C.	12,000	1.8%	Milwaukee	1,700	1.1%
Los Angeles	11,300	1.0%	San Francisco	1,900	0.7%
Atlanta	11,000	2.1%	Detroit	2,000	0.7%
Seattle-Tacoma	10,300	2.4%	Cincinnati	2,200	1.3%
Denver	9,800	3.1%	St. Louis	2,300	1.4%
U.S. Total	370,000	2.0%	U.S. Total	370,000	2.0%

<sup>\*</sup> Forecast Portland: (3,400, 1.5%)

#### DEVELOPERS FOCUSING CONSTRUCTION ON POPULATION GROWTH MARKETS - HEAVIEST ACROSS SOUTHERN STATES



Bubble size correlates to absolute completions Sources: Marcus & Millichap Research Services, RealPage, Inc., CoStar Group, Inc.

### CLASS A APARTMENTS FACED BIGGEST IMPACT; ECONOMIC REOPENING UNLOCKED BROAD-BASED HOUSING DEMAND



\* Through 2Q



#### LEAST AFFORDABLE MARKETS BASED ON HOME MORTGAGE PAYMENT AND RENT GAP

Least Affordable Markets	2Q 2022 Monthly Home Payment	2Q 2022 Average Rent	Affordability Gap
San Francisco	\$12,491	\$2,858	\$9,633
Manhattan*	\$12,899	\$3,921	\$8,978
San Jose	\$11,590	\$2,978	\$8,612
Orange County	\$7,886	\$2,667	\$5,219
Oakland	\$7,065	\$2,601	\$4,464
San Diego	\$5,799	\$2,633	\$3,166
Seattle-Tacoma	\$4,915	\$2,066	\$2,849
Austin	\$4,521	\$1,676	\$2,845
Los Angeles	\$5,240	\$2,695	\$2,545
Denver	\$4,289	\$1,858	\$2,431
U.S. Average	\$2,738	\$1,736	\$1,002

<sup>\*</sup> Includes condominiums

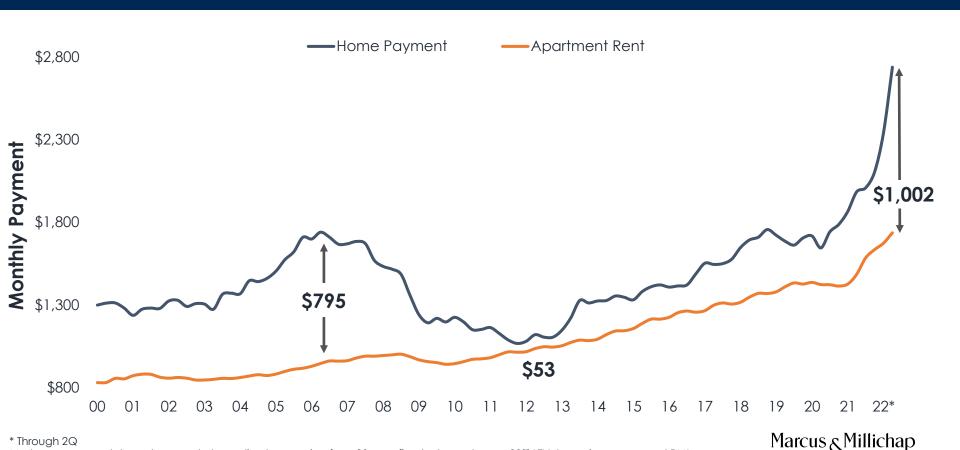
Portland: (\$3,774, \$1,709, \$2,065)

### MOST AFFORDABLE MARKETS BASED ON HOME MORTGAGE PAYMENT AND RENT GAP

Most Affordable Markets	2Q 2022 Monthly Home Payment	2Q 2022 Average Rent	Affordability Gap
Cleveland	\$1,610	\$1,147	\$463
St. Louis	\$1,743	\$1,176	\$567
Detroit	\$1,849	\$1,233	\$616
Philadelphia	\$2,328	\$1,697	\$631
Cincinnati	\$2,000	\$1,215	\$785
Indianapolis	\$1,962	\$1,152	\$810
Tampa	\$2,646	\$1,782	\$864
Baltimore	\$2,513	\$1,625	\$888
Atlanta	\$2,574	\$1,675	\$899
Chicago	\$2,729	\$1,826	\$903
U.S. Average	\$2,738	\$1,736	\$1,002

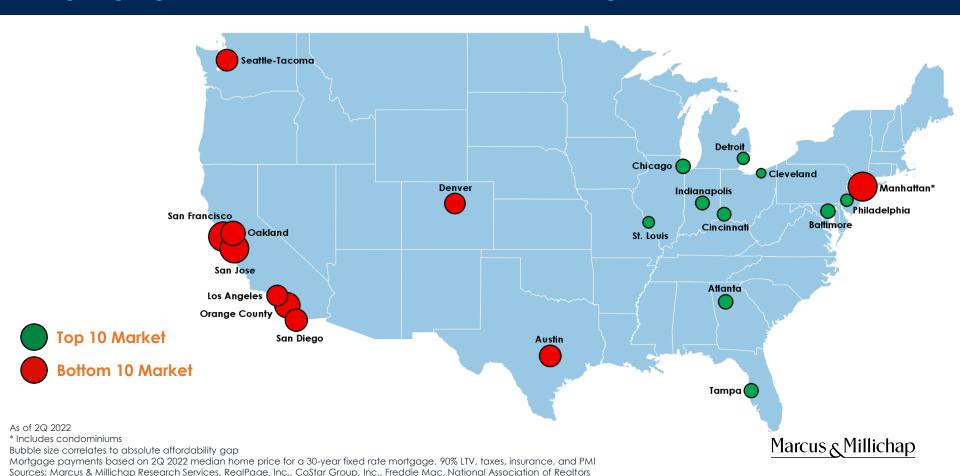


#### AFFORDABILITY GAP BETWEEN HOME PAYMENT AND AVERAGE RENT WIDENING AS HOME PRICES AND MORTGAGE RATES SURGE



Mortgage payments based on quarterly median home price for a 30-year fixed rate mortgage, 90% LTV, taxes, insurance, and PMI Sources: Marcus & Millichap Research Services, RealPage, Inc., Freddie Mac, National Association of Realtors

#### NATIONAL HOUSING AFFORDABILITY BY METRO; BASED ON HOME MORTGAGE PAYMENT AND APARTMENT RENT GAP



### NATIONAL RENT GROWTH RANK BY MARKET Y-O-Y 2Q 2022 RENT PERCENT CHANGE

Top 10 Metros	2Q 2022 Avg. Effective Rent	Y-O-Y Change	Bottom 10 Metros	2Q 2022 Effective
ort Lauderdale	\$2,345	29.4%	New York	\$2,843
West Palm Beach	\$2,368	27.1%	San Francisco	\$2,858
Orlando	\$1,749	27.0%	Minneapolis-St. Paul	\$1,470
Miami	\$2,299	26.6%	Baltimore	\$1,625
Гатра	\$1,782	25.8%	Northern New Jersey	\$2,269
Las Vegas	\$1,554	24.6%	St. Louis	\$1,176
lashville	\$1,622	22.9%	Washington, D.C.	\$1,996
acksonville	\$1,511	22.1%	Milwaukee	\$1,407
Austin	\$1,676	21.3%	Oakland	\$2,601
an Diego	\$2,633	21.2%	Cleveland	\$1,147
J.S. Average	\$1,736	16.9%	U.S. Average	\$1,736

### NATIONAL RENT GROWTH RANK BY MARKET 4Q 2019 TO 2Q 2022 RENT PERCENT CHANGE

Top 10 Metros	2Q 2022 Avg. Effective Rent	Y-O-Y Change	Bottom 10 Metros	2Q 2 Effe
Tampa	\$1,782	42.6%	San Francisco	<b>\$2</b> ,
Fort Lauderdale	\$2,345	41.9%	San Jose	\$2,9
Phoenix	\$1,673	40.9%	New York	\$2,84
Las Vegas	\$1,554	39.4%	Minneapolis-St. Paul	\$1,470
Inland Empire	\$2,178	38.6%	Oakland	\$2,601
West Palm Beach	\$2,368	38.6%	Washington, D.C.	\$1,996
Jacksonville	\$1,511	38.5%	Boston	\$2,730
Orlando	\$1,749	33.6%	Northern New Jersey	\$2,269
Miami	\$2,299	32.9%	Seattle-Tacoma	\$2,066
Salt Lake City	\$1,567	32.7%	Houston	\$1,297
U.S. Average	\$1,736	21.7%	U.S. Average	\$1,736

Portland: (\$1,709, 18.8%)
Sources: Marcus & Millichap Research Services, RealPage, Inc., CoStar Group, Inc.

### RENT GROWTH EXPECTED TO REMAIN ABOVE WAGE GROWTH FOLLOWING PANDEMIC-DRIVEN DISRUPTION



#### U.S. APARTMENT RENT GROWTH TRENDS BY CLASS



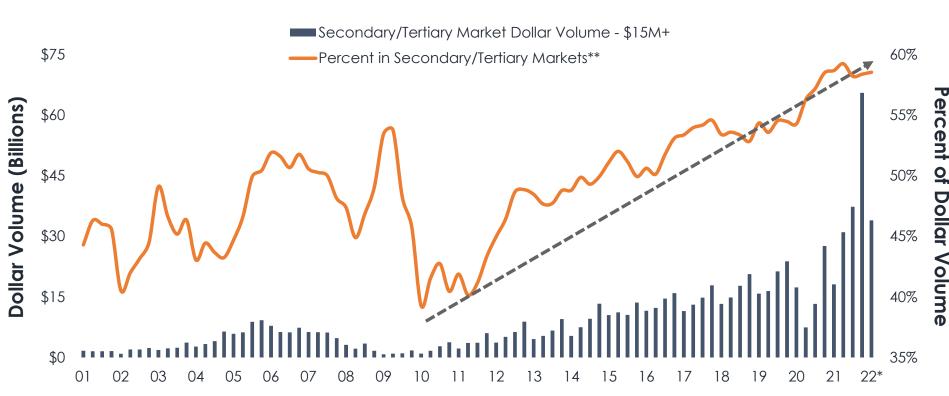


#### U.S. APARTMENT INVESTMENT TRENDS TRANSACTION ACTIVITY BY PRICE TRANCHE



<sup>\*</sup> Trailing 12 months through 2Q Includes sales \$1 million and greater Sources: Marcus & Millichap Research Services, CoStar Group, Inc., Real Capital Analytics

### APARTMENT INVESTORS PURSUE YIELD AND DEMOGRAPHICS – CAPITAL ALLOCATIONS MOVING BEYOND THE CORE



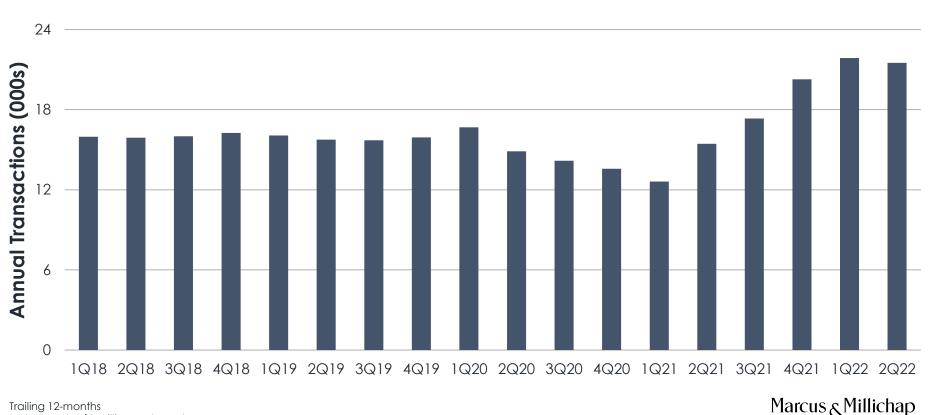
<sup>\*</sup> Through 1Q

Marcus & Millichap

Sources: Marcus & Millichap Research Services, Real Capital Analytics, CoStar Group, Inc.

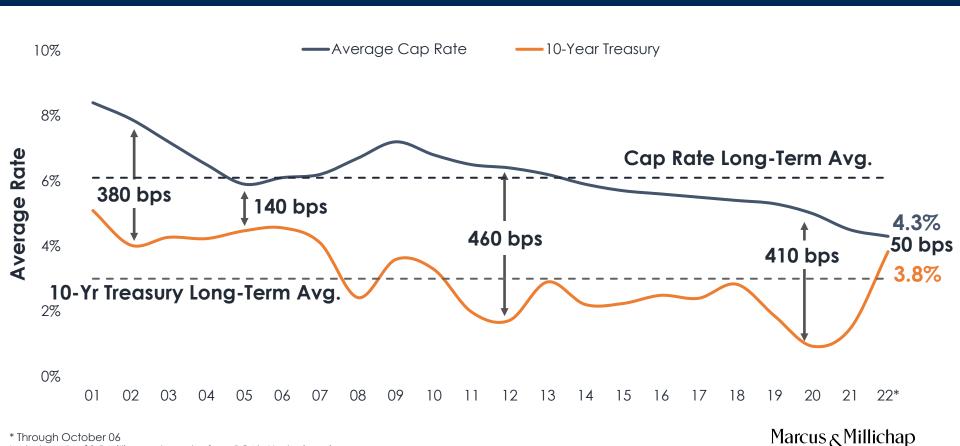
<sup>\*\*</sup> Trailing 12-month average Includes sales \$15 million and greater

### U.S. APARTMENT TRANSACTION ACTIVITY REMAINS ELEVATED INTO 2022



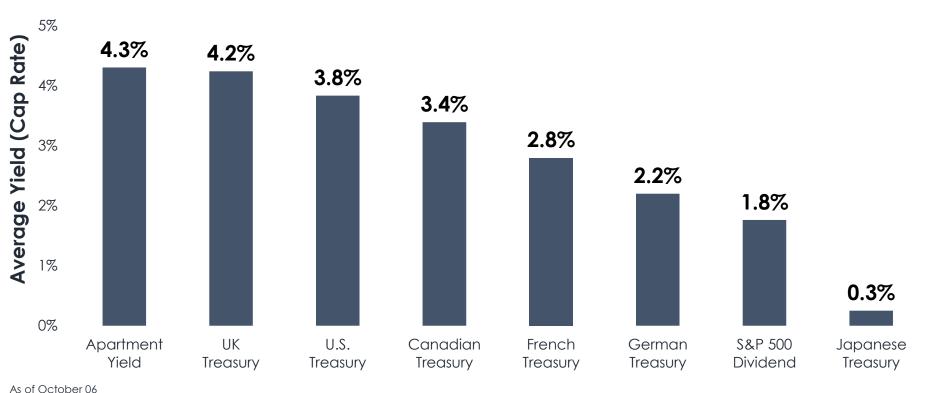
Includes sales \$1 million and greater
Sources: Marcus & Millichap Research Services, CoStar Group, Inc., Real Capital Analytics

### U.S. APARTMENT CAP RATE YIELD SPREAD TIGHTENING; AVERAGE CAP RATE VS. 10-YEAR TREASURY



Includes sales \$2.5 million and greater from RCA's Hedonic series
Sources: Marcus & Millichap Research Services, Real Capital Analytics, Federal Reserve

### APARTMENTS OFFER COMPETITIVE YIELDS COMPARED TO ALTERNATIVES



Treasury rates for 10-year treasuries
Apartment yield (cap rate) includes sales \$2.5 million and greater from RCA's Hedonic series
Sources: Marcus & Millichap Research Services, Real Capital Analytics, Standard & Poor's, Federal Reserve

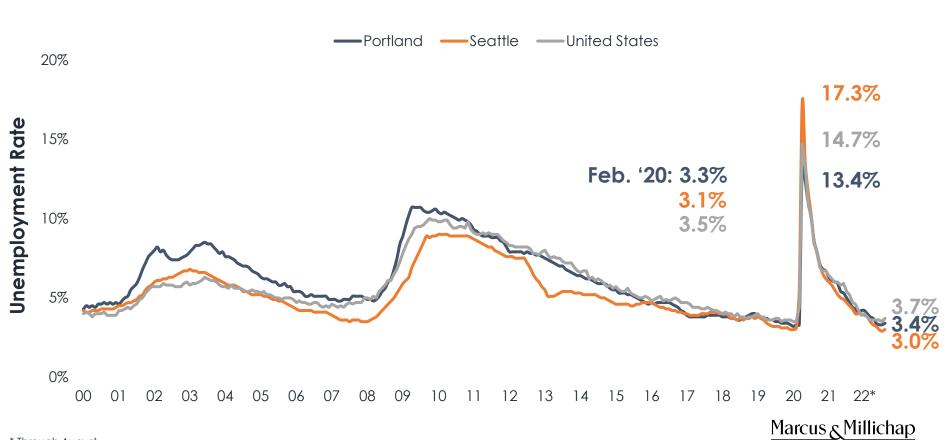
# NORTHWEST ECONOMIC OVERVIEW AND OUTLOOK

#### NORTHWEST EMPLOYMENT TRENDS

Sources: Marcus & Millichap Research Services, BLS

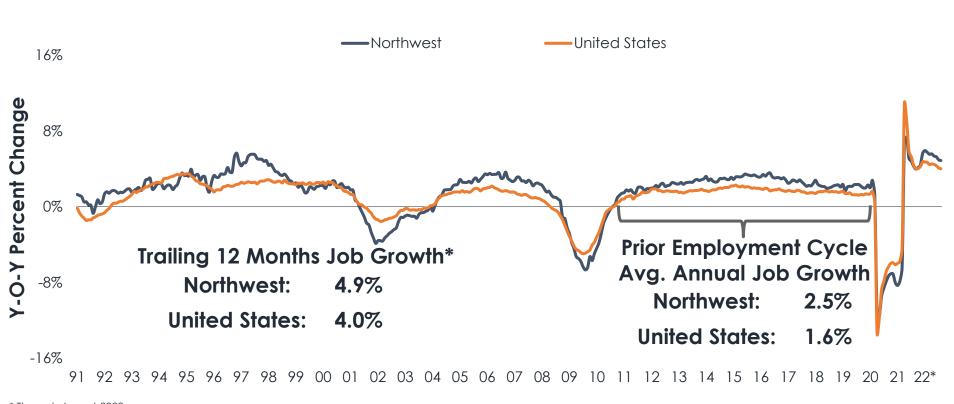


#### NORTHWEST UNEMPLOYMENT RATE VS. NATIONAL AVERAGE



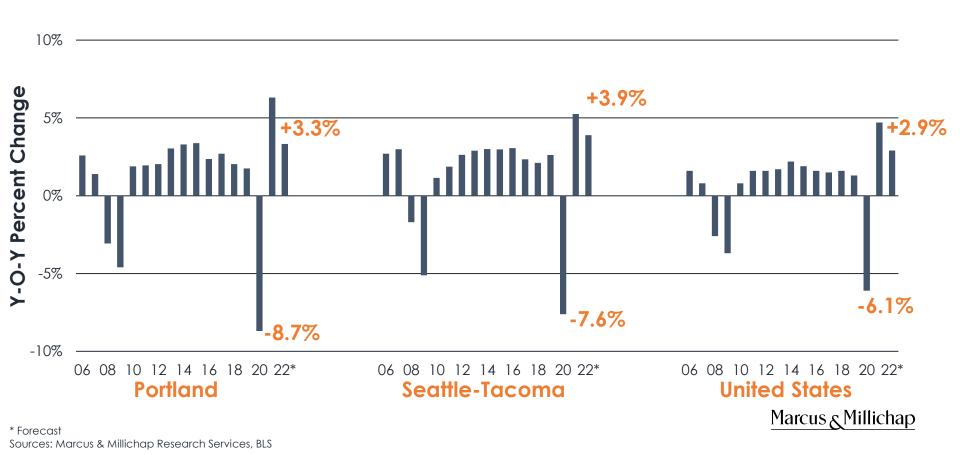
\* Through August Sources: Marcus & Millichap Research Services, BLS

#### NORTHWEST EMPLOYMENT GROWTH VS. U.S. EMPLOYMENT GROWTH



<sup>\*</sup> Through August 2022 Northwest includes Seattle-Tacoma and Portland Employment Cycle: September 2010 to February 2020 Sources: Marcus & Millichap Research Services, BLS

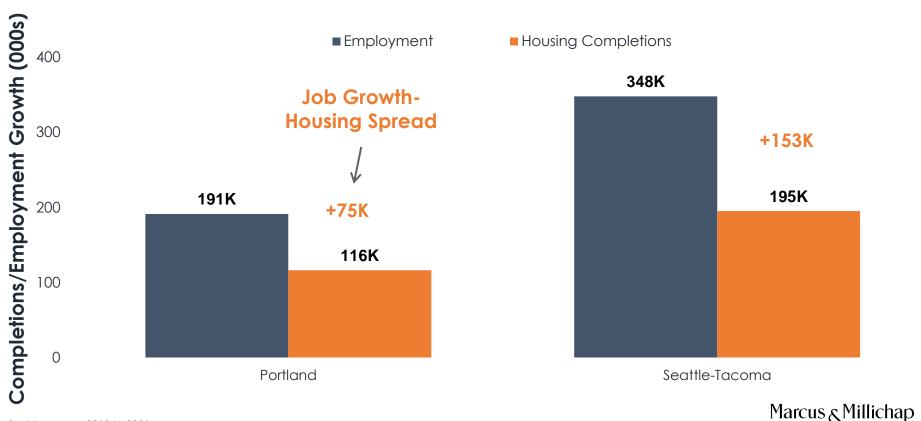
#### **EMPLOYMENT GROWTH TRENDS**



### NORTHWEST EMPLOYMENT GROWTH BY SECTOR Y-O-Y CHANGE THROUGH AUGUST 2022

	% Change
31,100	11.3%
25,700	5.2%
19,900	7.2%
16,500	3.6%
14,800	7.3%
14,300	8.7%
13,100	2.1%
10,700	2.5%
6,600	3.8%
3,300	3.0%
0	0.0%
156,000	
	25,700 19,900 16,500 14,800 14,300 13,100 10,700 6,600 3,300 0

### EMPLOYMENT GROWTH AND HOUSING CONSTRUCTION DISCONNECT OVER PAST 10 YEARS



Past ten years: 2012 to 2021

Sources: Marcus & Millichap Research Services, U.S. Census Bureau, BLS

### POPULATION MIGRATION WAS ALREADY IN MOTION 2021 MIGRATION TRENDS ACCELERATED BY PANDEMIC

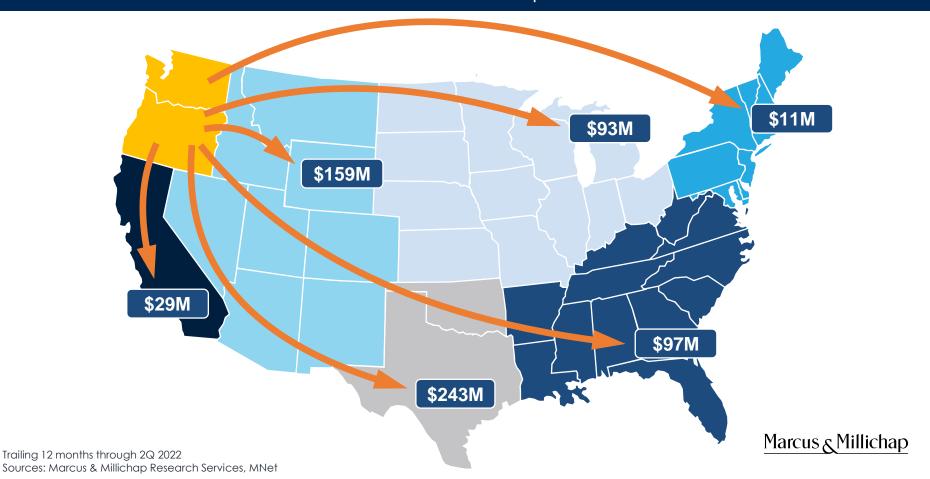




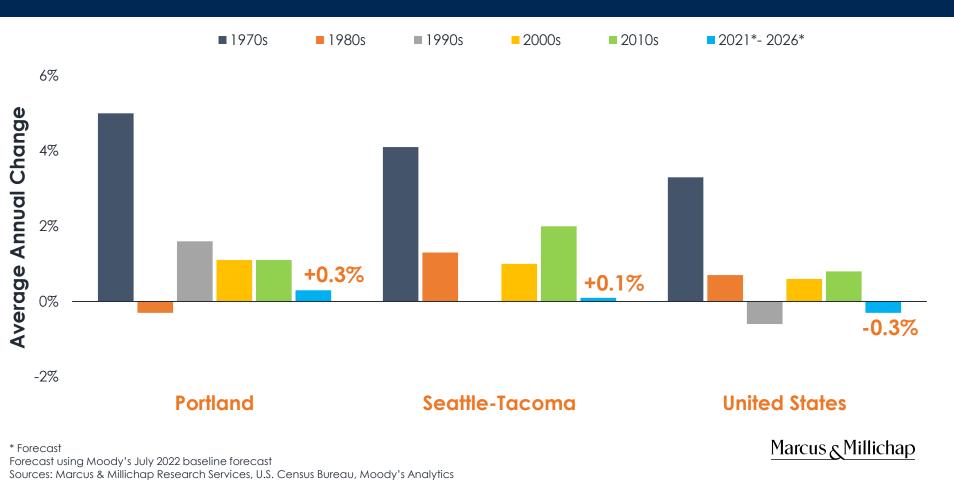
## MARCUS & MILLICHAP 2022 CAPITAL MIGRATION HELPING NORTHWEST INVESTORS ACCESS \$1.0 BILLION



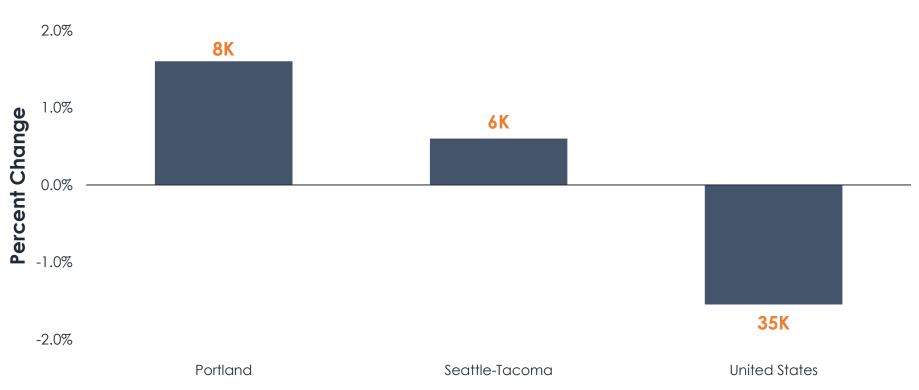
## MARCUS & MILLICHAP 2022 CAPITAL MIGRATION HELPING NORTHWEST INVESTORS PLACE \$632 MILLION



#### 20-34 YEAR-OLD POPULATION GROWTH



#### NORTHWEST FIVE-YEAR YOUNG ADULT POPULATION GROWTH FORECAST



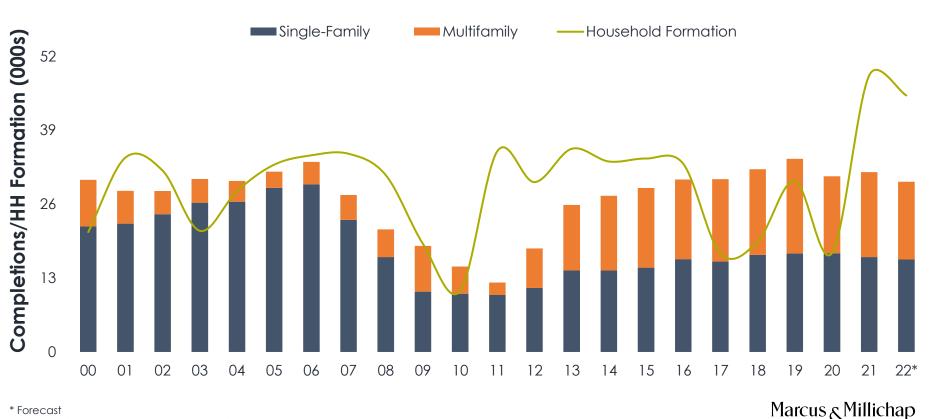
Five-year period: 2021 to 2026 Forecast using Moody's July 2022 baseline forecast Young-adult includes 20 to 34 year olds

# NORTHWEST APARTMENT MARKET OVERVIEW AND OUTLOOK

#### NORTHWEST APARTMENT VACANCY VS. CONSTRUCTION



#### NORTHWEST HOUSING CONSTRUCTION AND HOUSEHOLD FORMATION



<sup>\*</sup> Forecast
Forecast using Moody's August 2022 baseline forecast
Sources: Marcus & Millichap Research Services, U.S. Census Bureau, Moody's Analytics

#### NORTHWEST APARTMENT VACANCY RATE TRENDS BY CLASS



Trailing 12-month average

Northwest includes Seattle-Tacoma and Portland

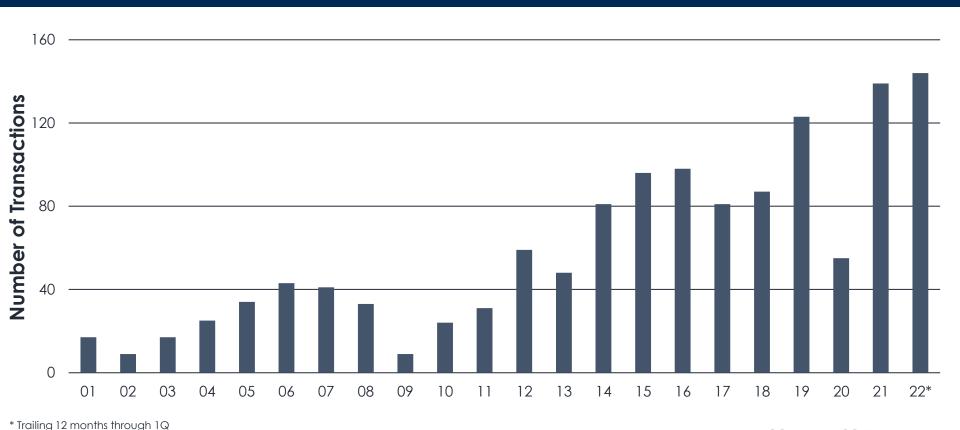
Sources: Marcus & Millichap Research Services, RealPage, Inc.

#### AFFORDABILITY GAP SKYROCKETS IN THE NORTHWEST



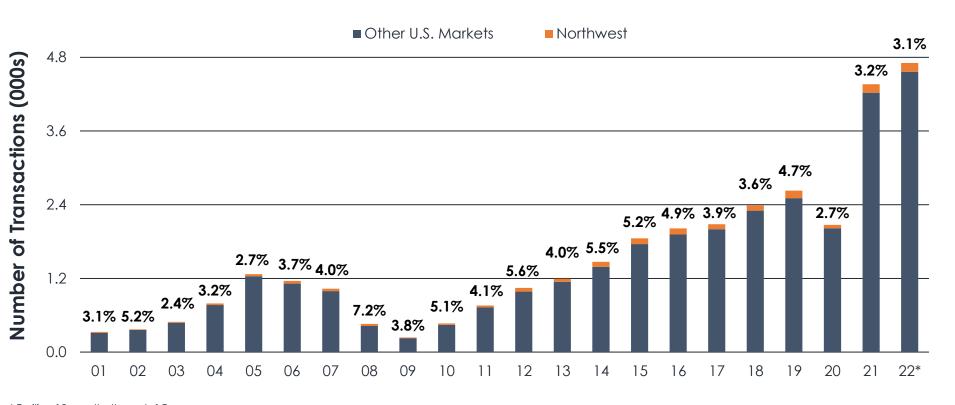
Mortgage payments based on 2Q 2022 median home price for a 30-year fixed rate mortgage, 90% LTV, taxes, insurance, and PMI Sources: Marcus & Millichap Research Services, RealPage, Inc., Freddie Mac, National Association of Realtors, Douglas Elliman Real Estate

#### NORTHWEST APARTMENT TRANSACTION ACTIVITY



Northwest includes Seattle-Tacoma and Portland
Includes sales \$20 million and greater
Sources: Marcus & Millichap Research Services, CoStar Group, Inc., Real Capital Analytics

### U.S. APARTMENT INVESTMENT TRENDS TRANSACTION ACTIVITY FOR NORTHWEST AND REST OF U.S.



<sup>\*</sup> Trailing 12 months through 1Q Includes sales \$20 million and greater Northwest includes Seattle-Tacoma and Portland Sources: Marcus & Millichap Research Services, CoStar Group, Inc., Real Capital Analytics

#### HOW TO CONTACT MARCUS & MILLICHAP



**Marcus & Millichap** 



/company/Marcus-&-Millichap/



**@MMREIS** 



www.MarcusMillichap.com



JOHN S. SEBREE

National Director – National Multi Housing Group

John.Sebree@marcusmillichap.com

312.327.5417



### NORTHWEST FORUM

#### **PRESENTED BY**

**JOHN S. SEBREE** 

National Director – National Multi Housing Group
John.Sebree@marcusmillichap.com
312.327.5417