



DELTA
ASSOCIATES

26TH

**MARKET
OVERVIEW +
AWARDS FOR
ANNUAL EXCELLENCE**



DELTA
ASSOCIATES



TRANSWESTERN

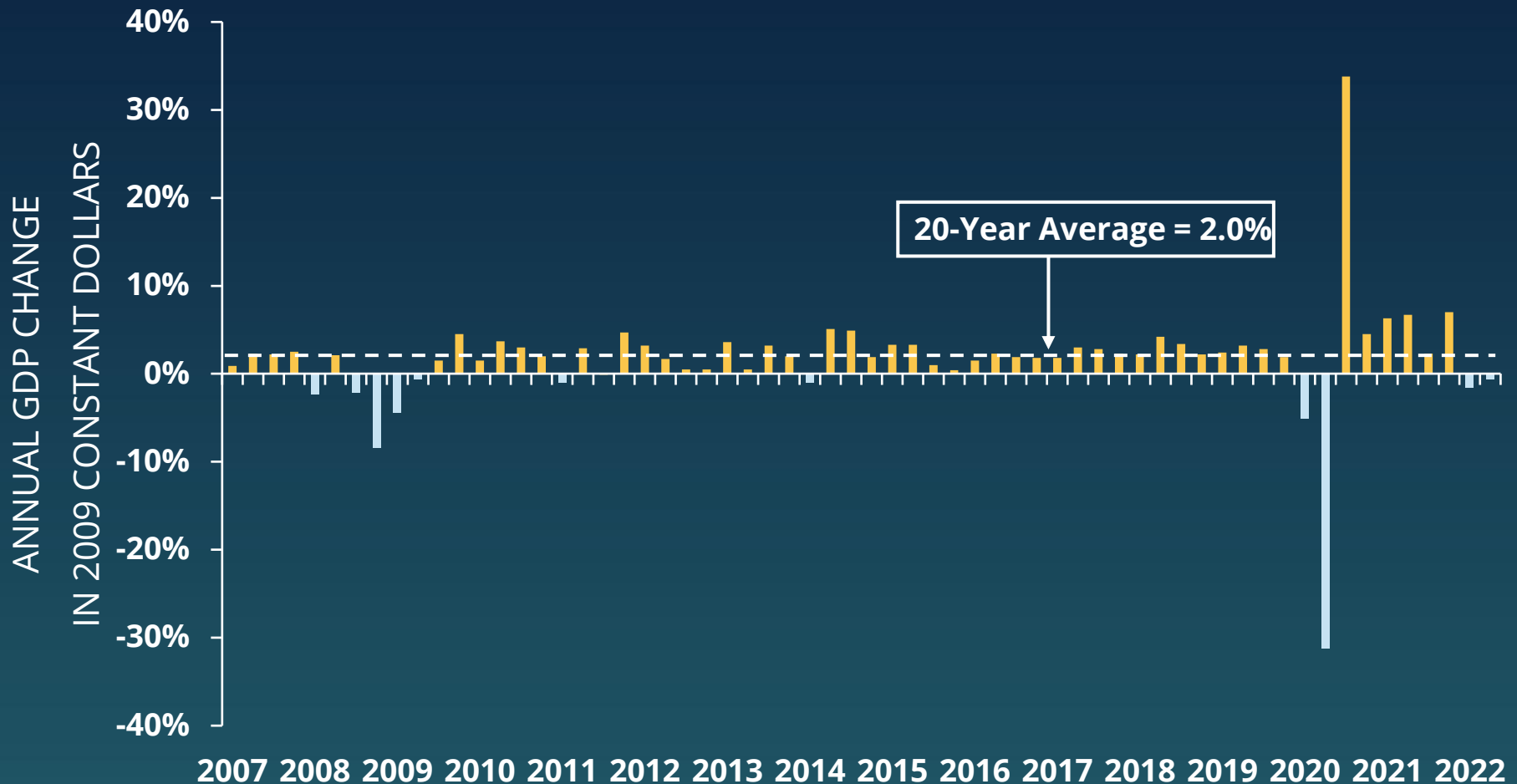




THE NATIONAL ECONOMY

QUARTERLY GDP PERCENT CHANGE

United States

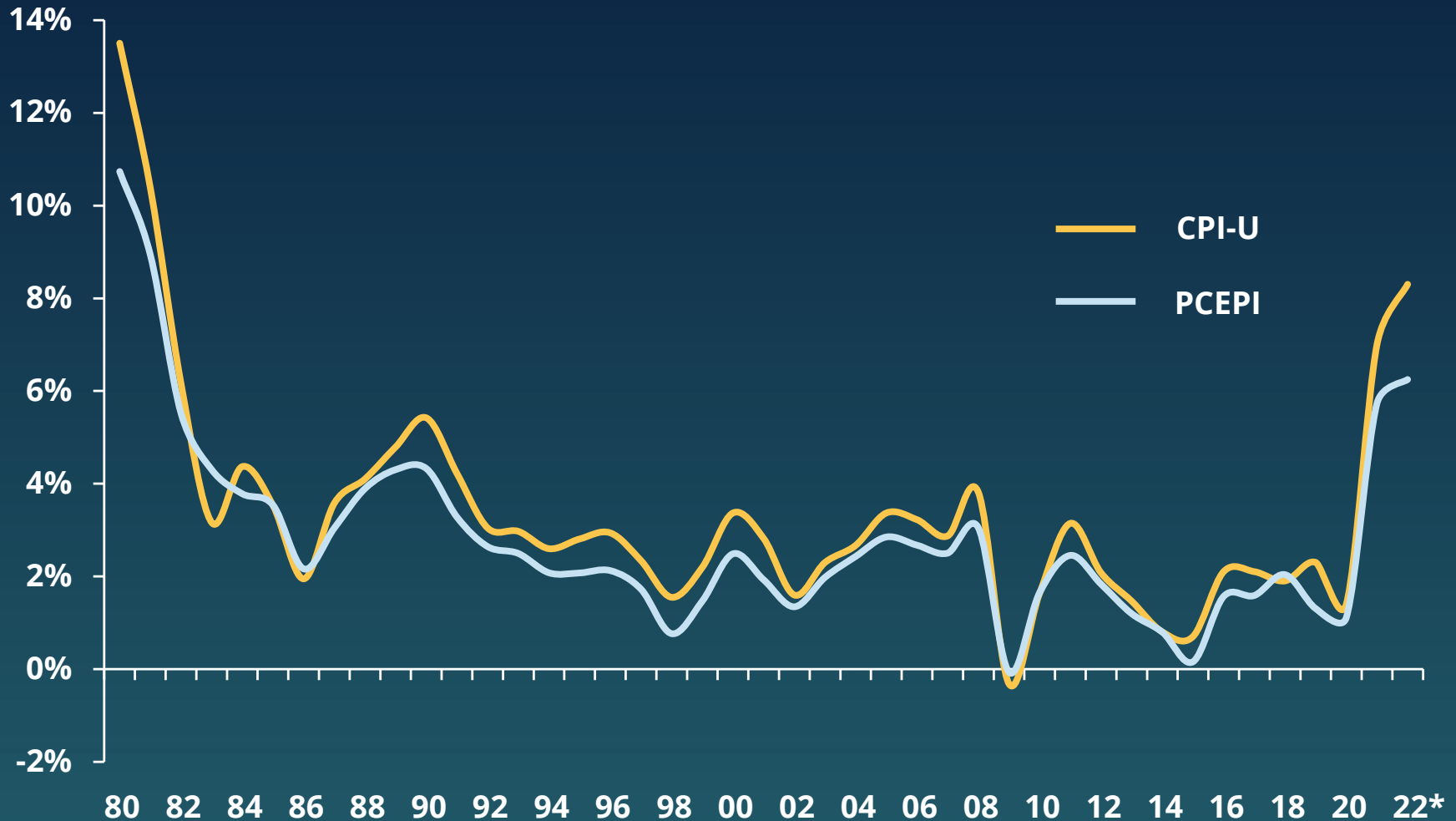


Note: Seasonally adjusted at annual rates.

Source: Bureau of Economic Analysis, Delta Associates; October 2022.

INFLATION & PERSONAL CONSUMPTION EXP. INDEX

United States | 1980 - 2022



Source: Federal Reserve Economic Database (FRED), Delta Associates; October 2022.

Note: *CPI-U and PCEPI through August 2022. Data reflects 12-month percent change.

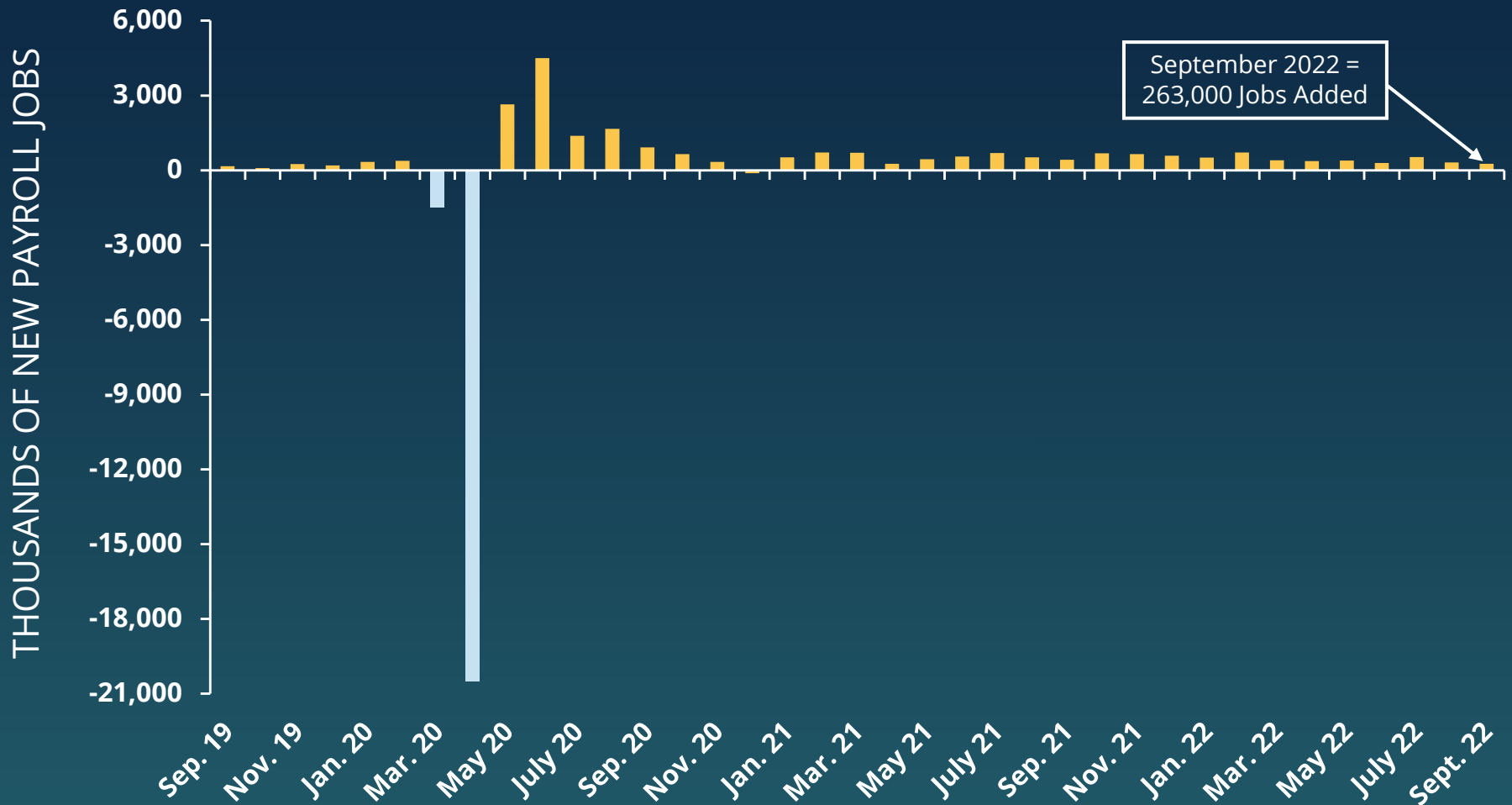
EFFECTIVE FEDERAL FUNDS RATE

United States | 2015 - 2022



PAYROLL JOB GROWTH

United States | Monthly

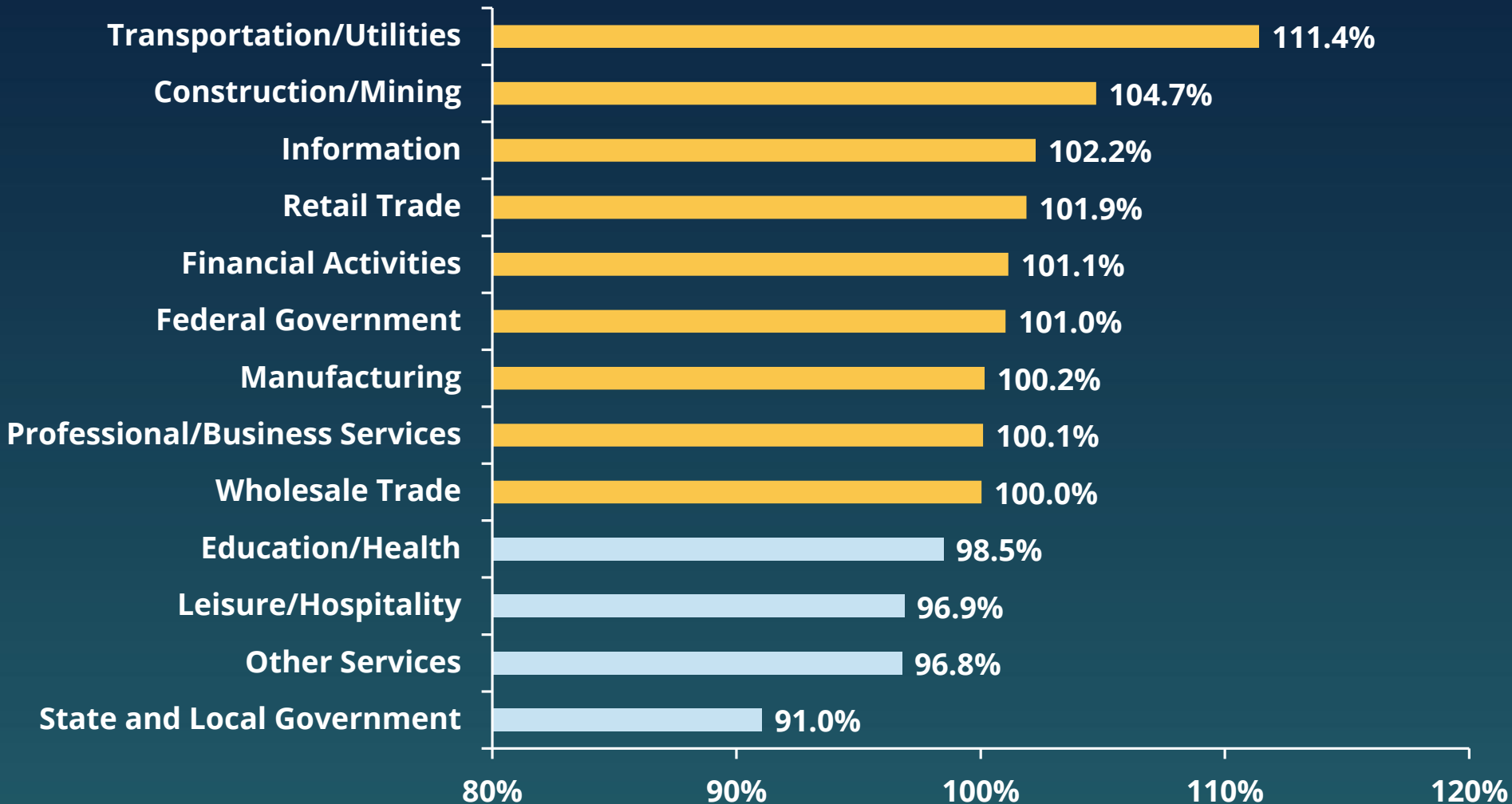


Note: Data is seasonally adjusted.

Source: Bureau of Labor Statistics, Delta Associates; October 2022.

JOB RECOVERY BY SECTOR

United States | August 2022 Employment as a % of February 2020 Employment

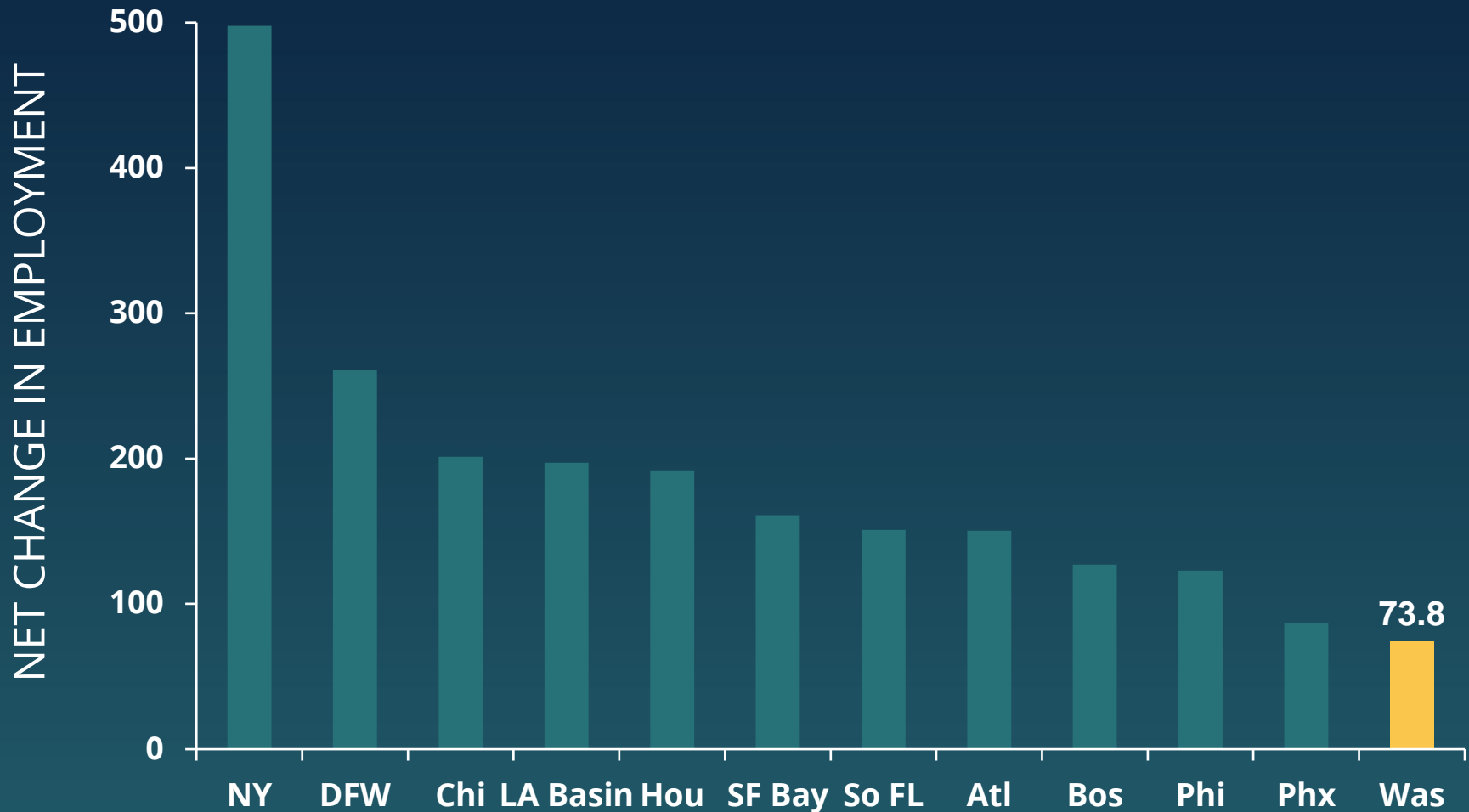




THE WASHINGTON ECONOMY

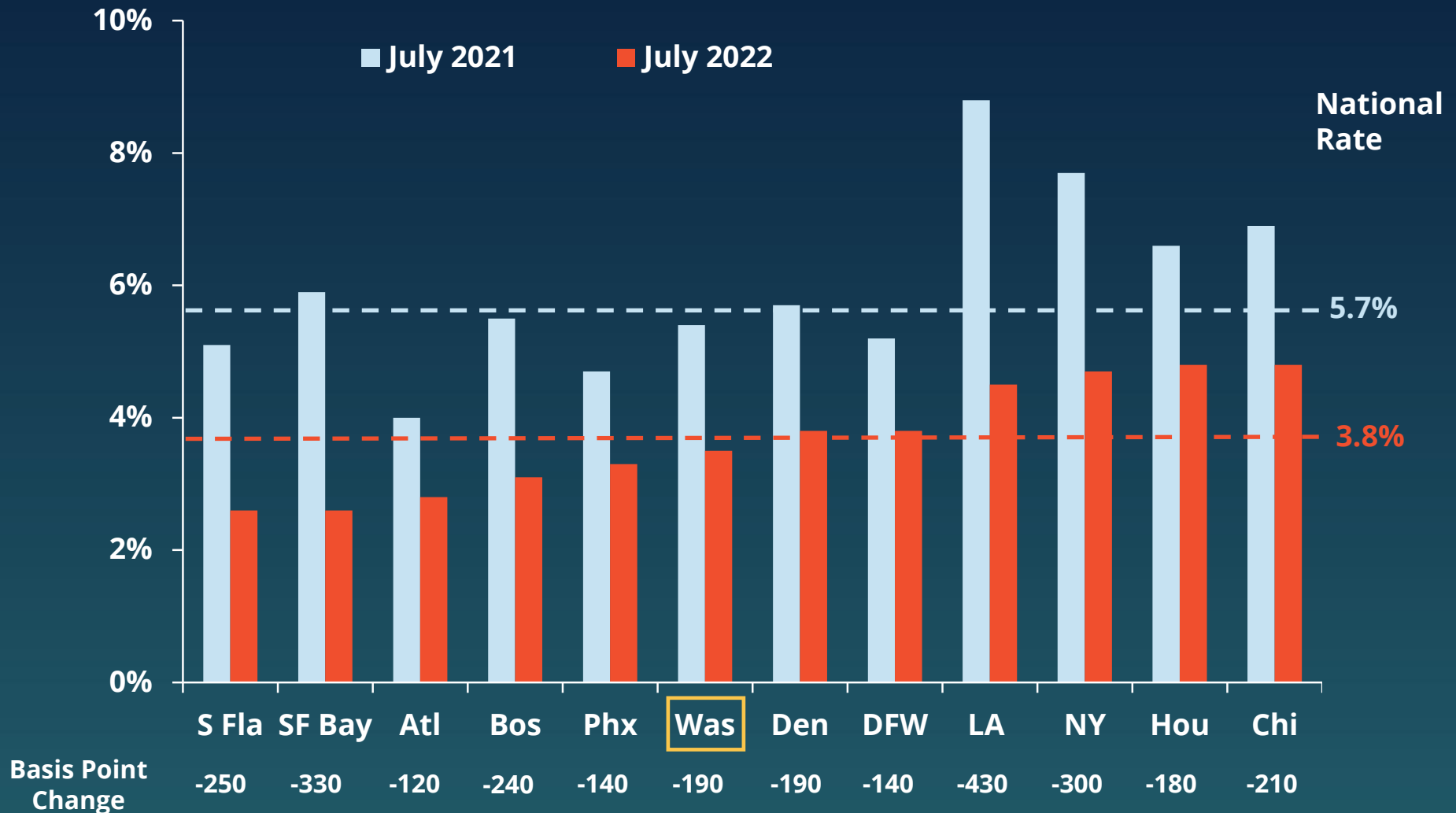
PAYROLL JOB GROWTH

Selected Large Metro Areas | 12 Months Ending August 2022



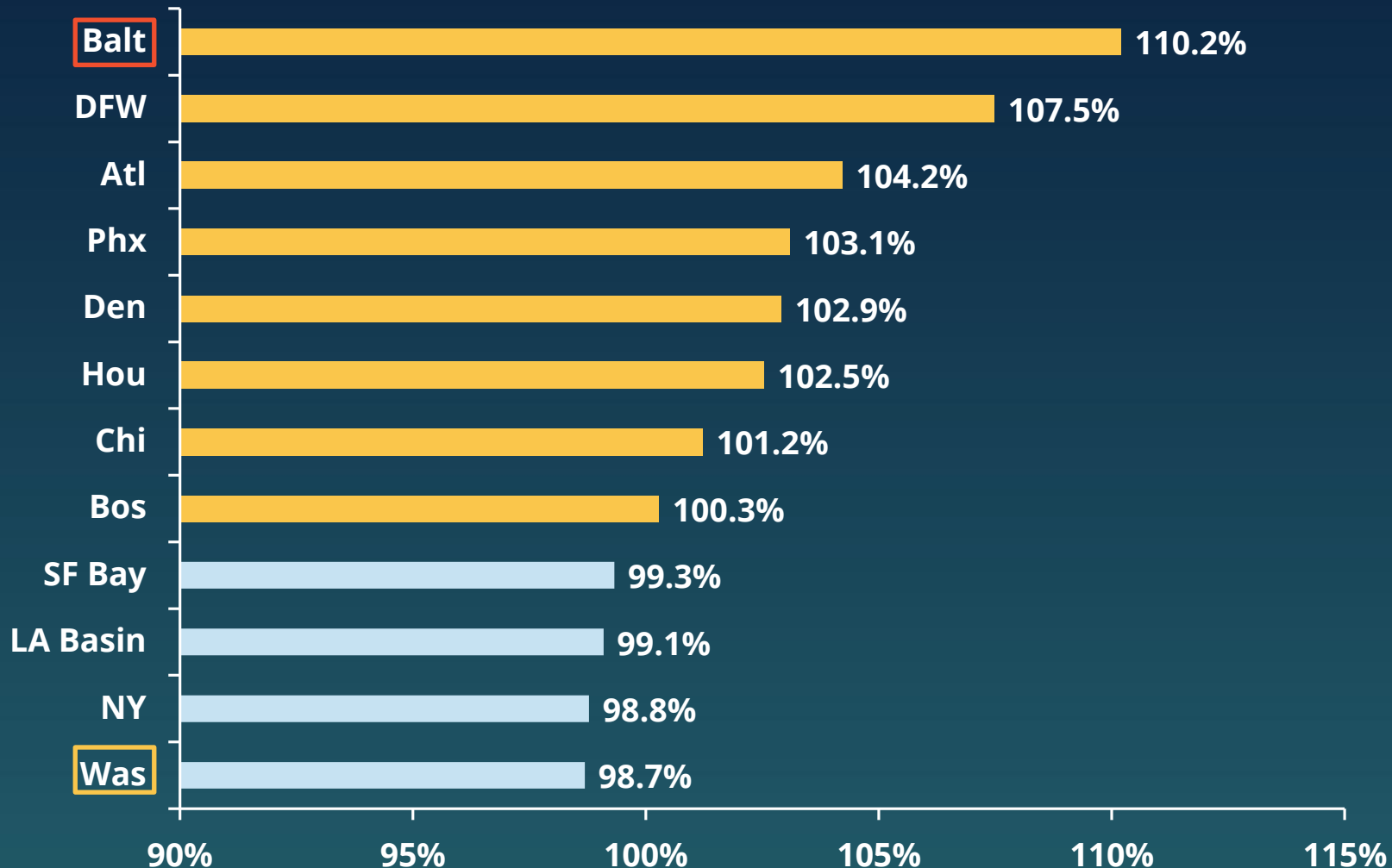
UNEMPLOYMENT RATE

Large Metro Areas | July 2021 vs. July 2022



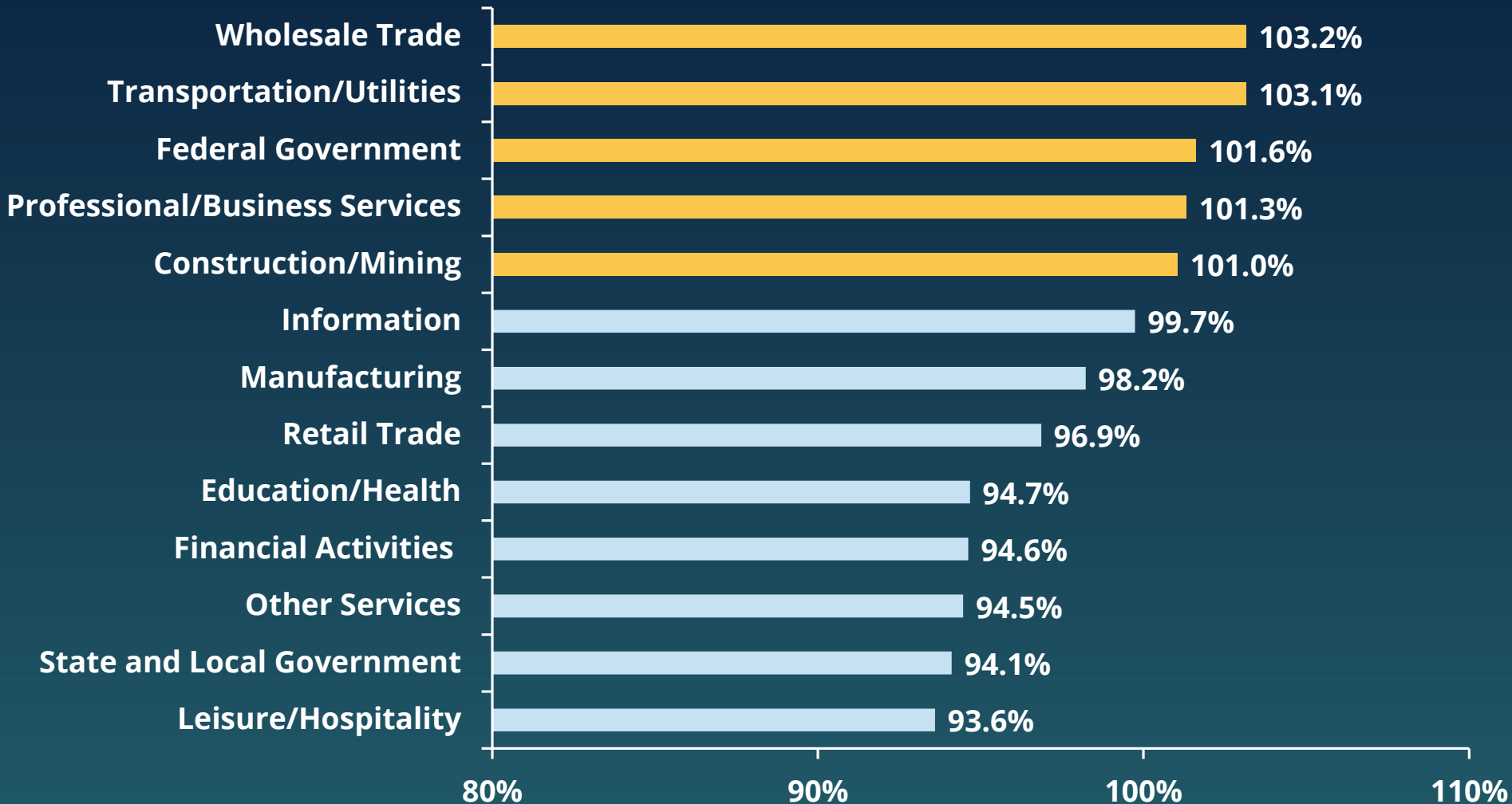
JOB RECOVERY BY METRO AREA

Selected Metro Areas | Aug. 2022 Employment as a % of Feb. 2020 Emp.



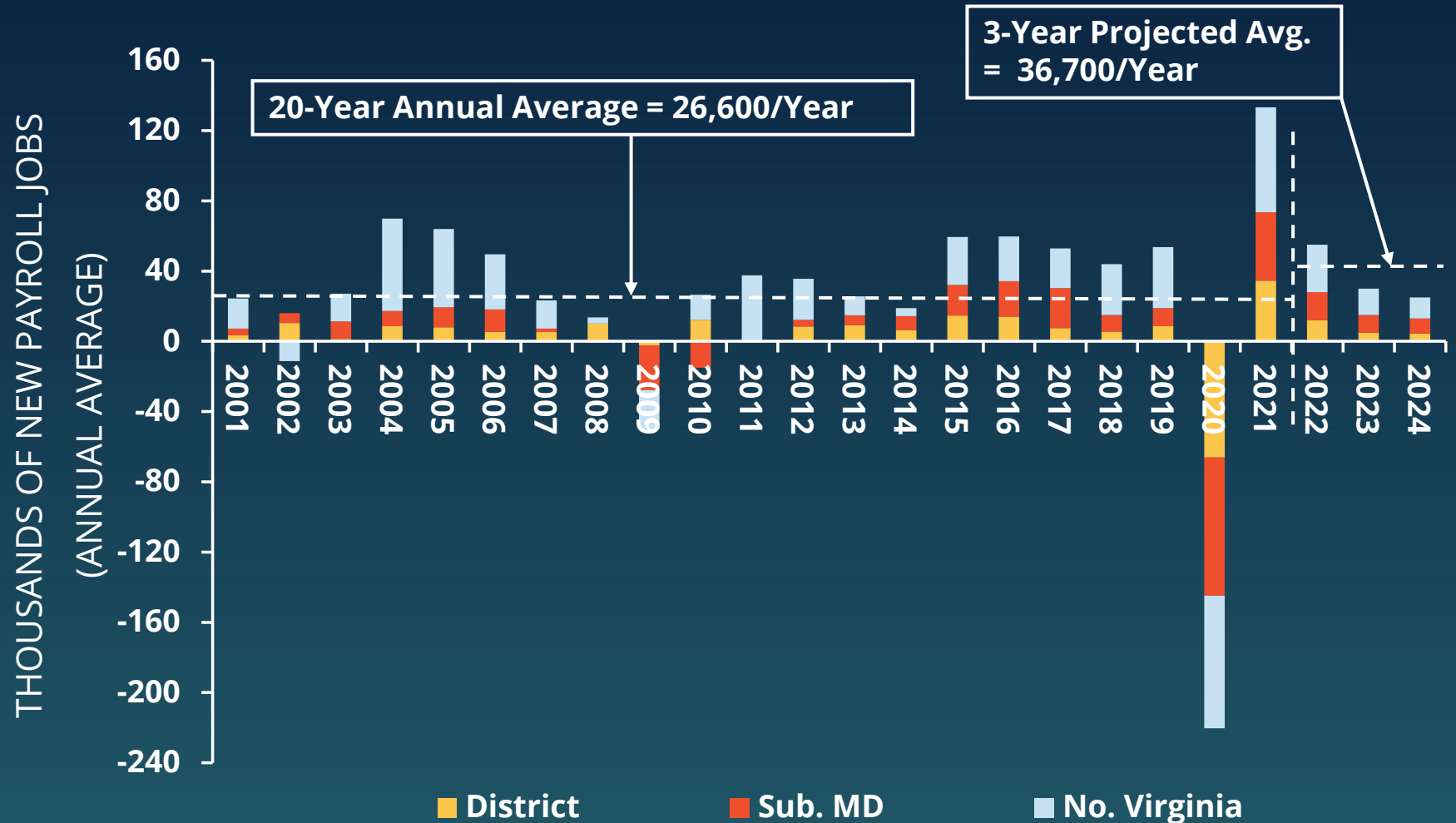
JOB RECOVERY BY SECTOR

Washington Metro | Aug. 2022 Employment as a % of Feb. 2020 Employment



PAYROLL JOB GROWTH

Washington Metro Area



PAYROLL JOB GROWTH

Washington Metro Area | 12 Months Ending August 2022

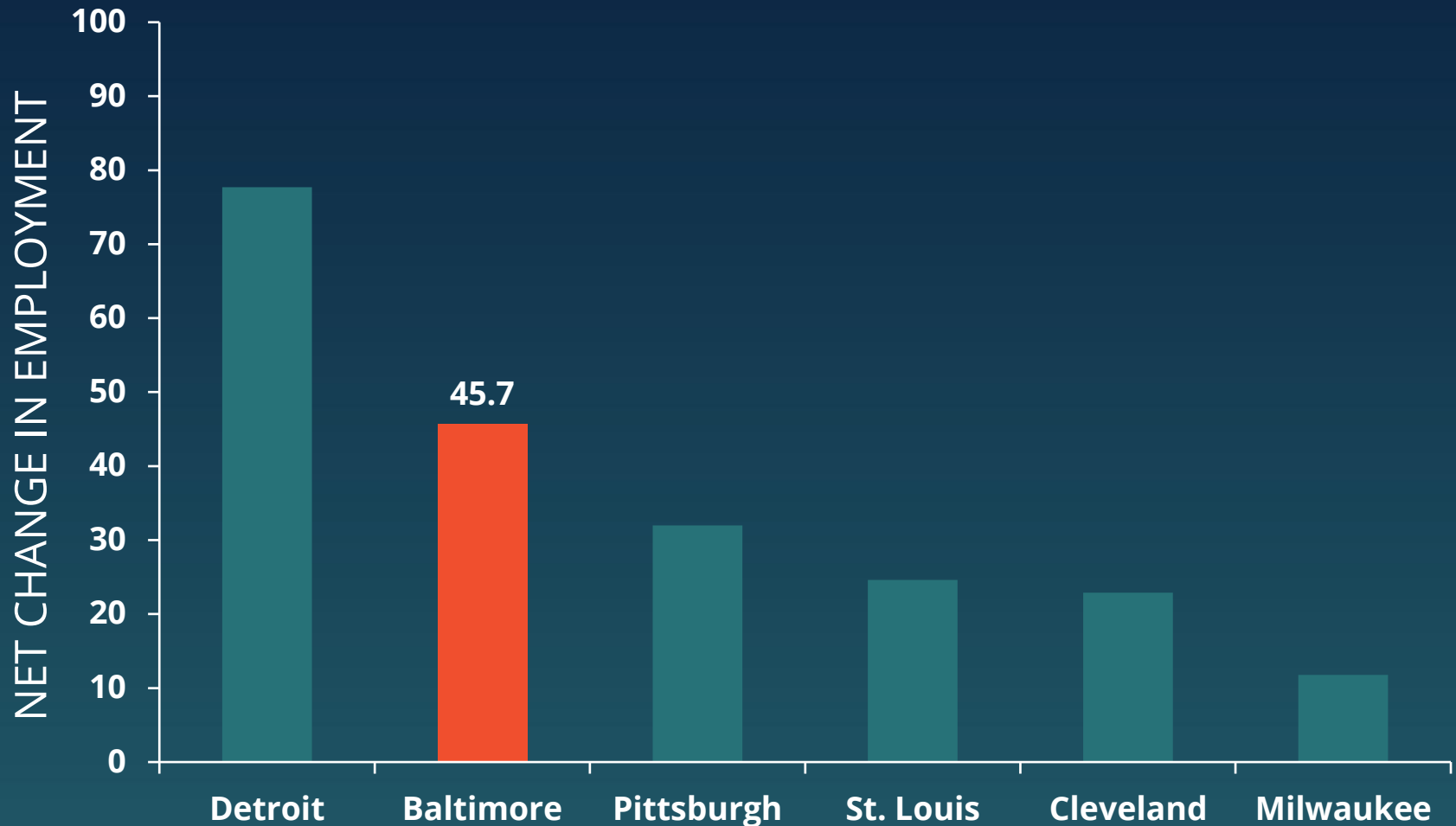




THE BALTIMORE ECONOMY

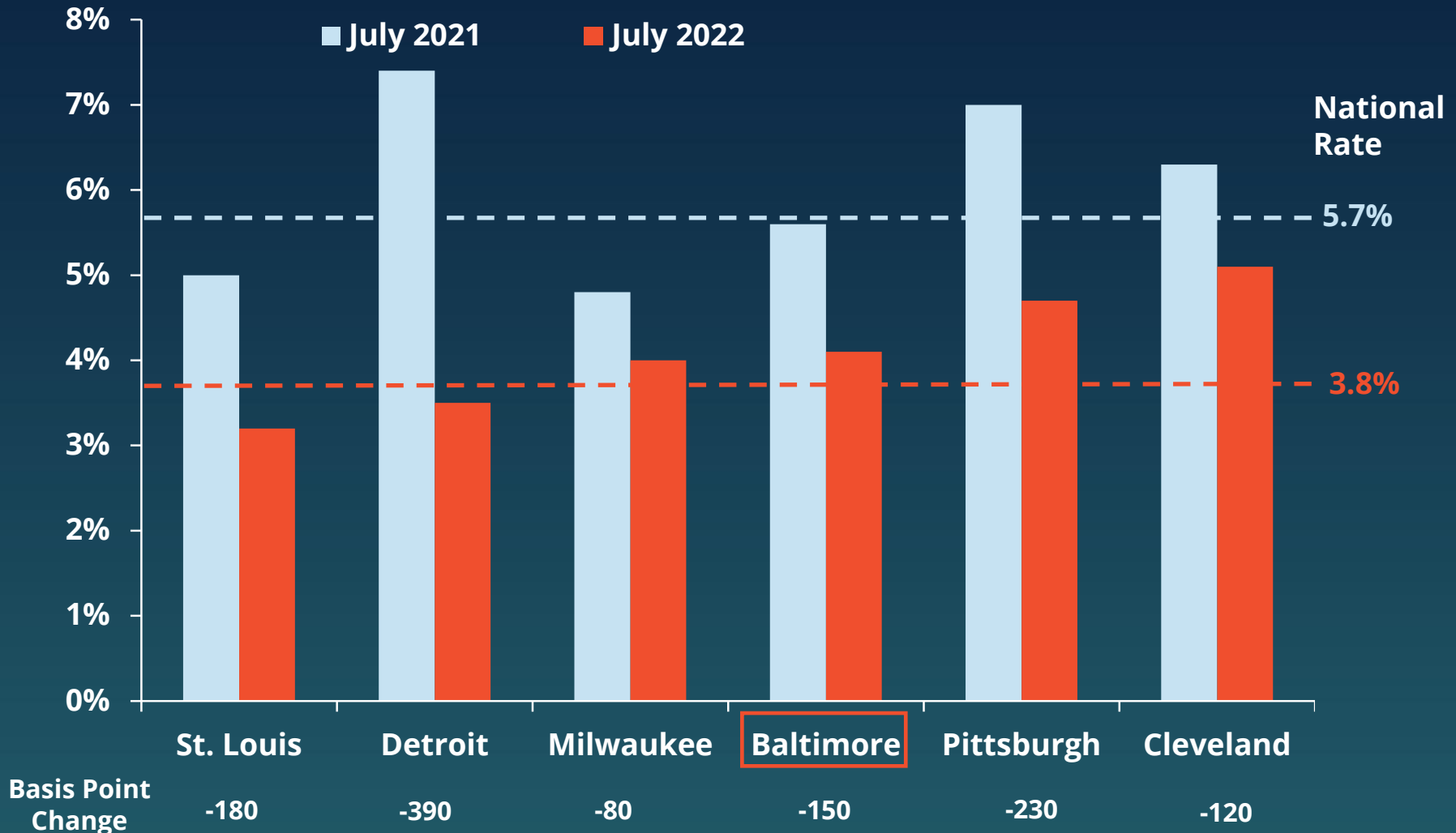
PAYROLL JOB GROWTH

Comparable Metro Areas | 12 Months Ending August 2022



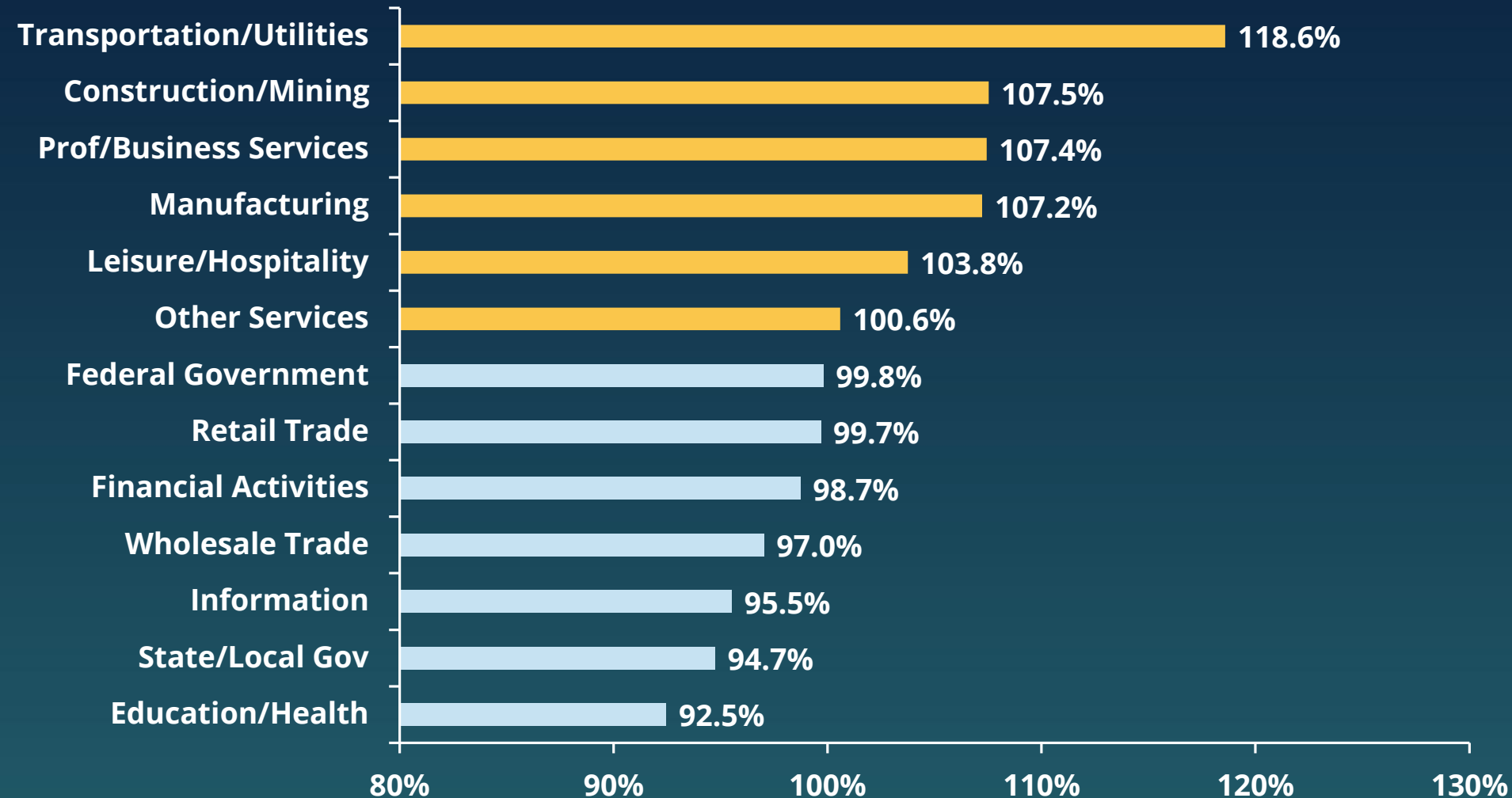
UNEMPLOYMENT RATE

Comparable Metro Areas | July 2021 vs. July 2022



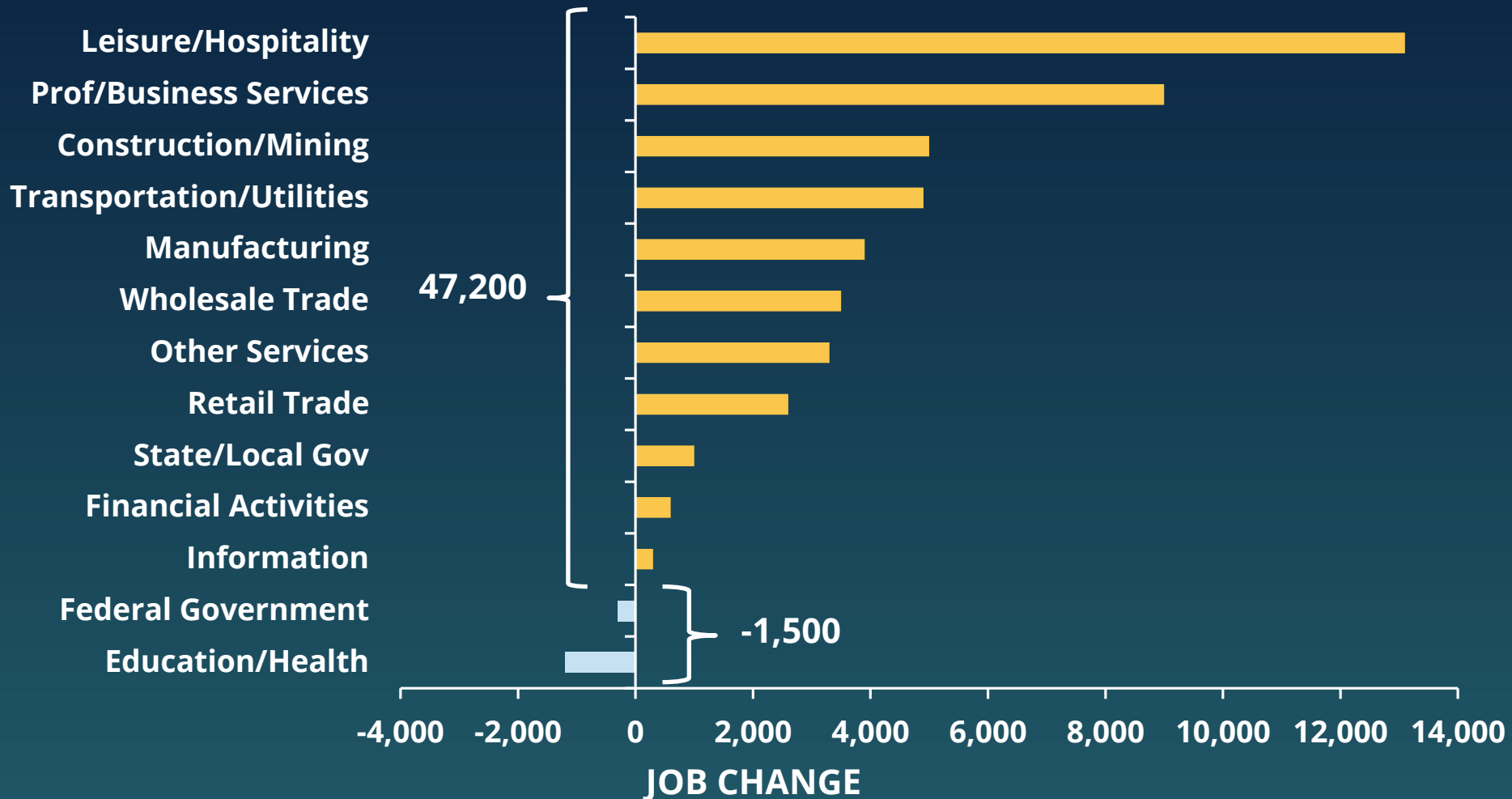
JOB RECOVERY BY SECTOR

Baltimore Metro | Aug. 2022 Employment as a % of Feb. 2020 Employment



PAYROLL JOB GROWTH

Baltimore Metro Area | 12 Months Ending August 2022

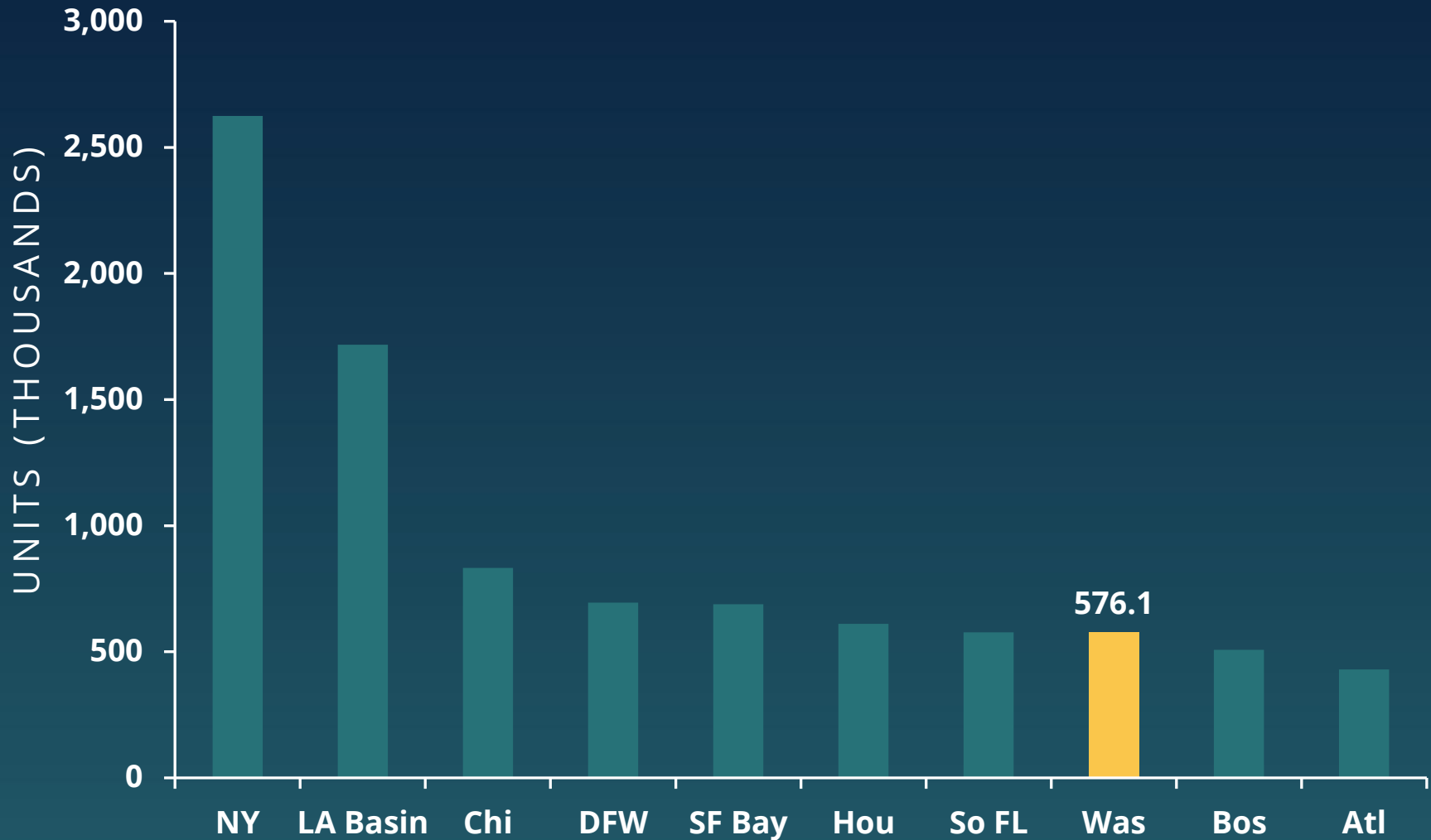




THE WASHINGTON METRO AREA APARTMENT MARKET

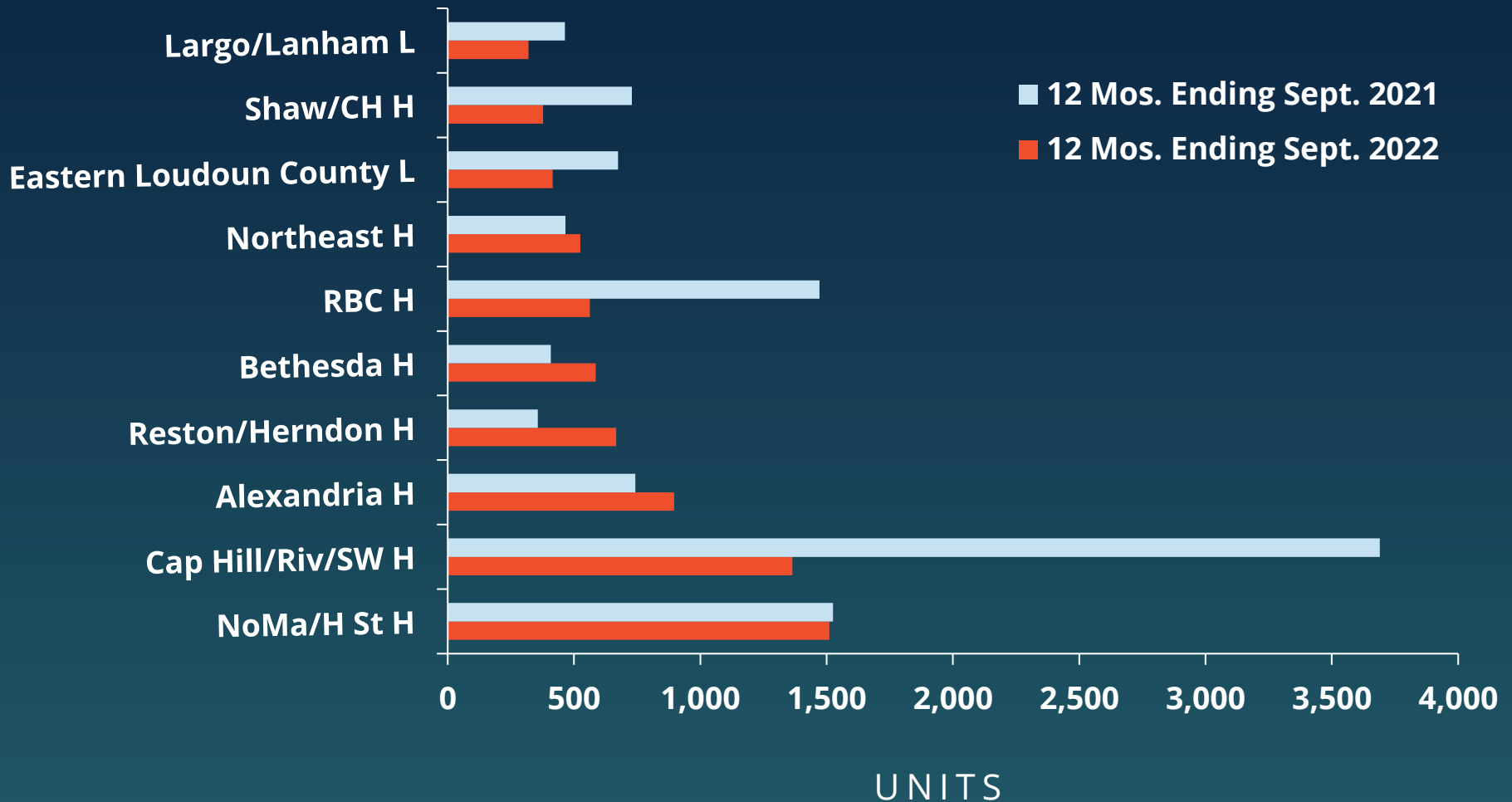
LARGEST APARTMENT MARKETS

Selected Metro Areas | 2020



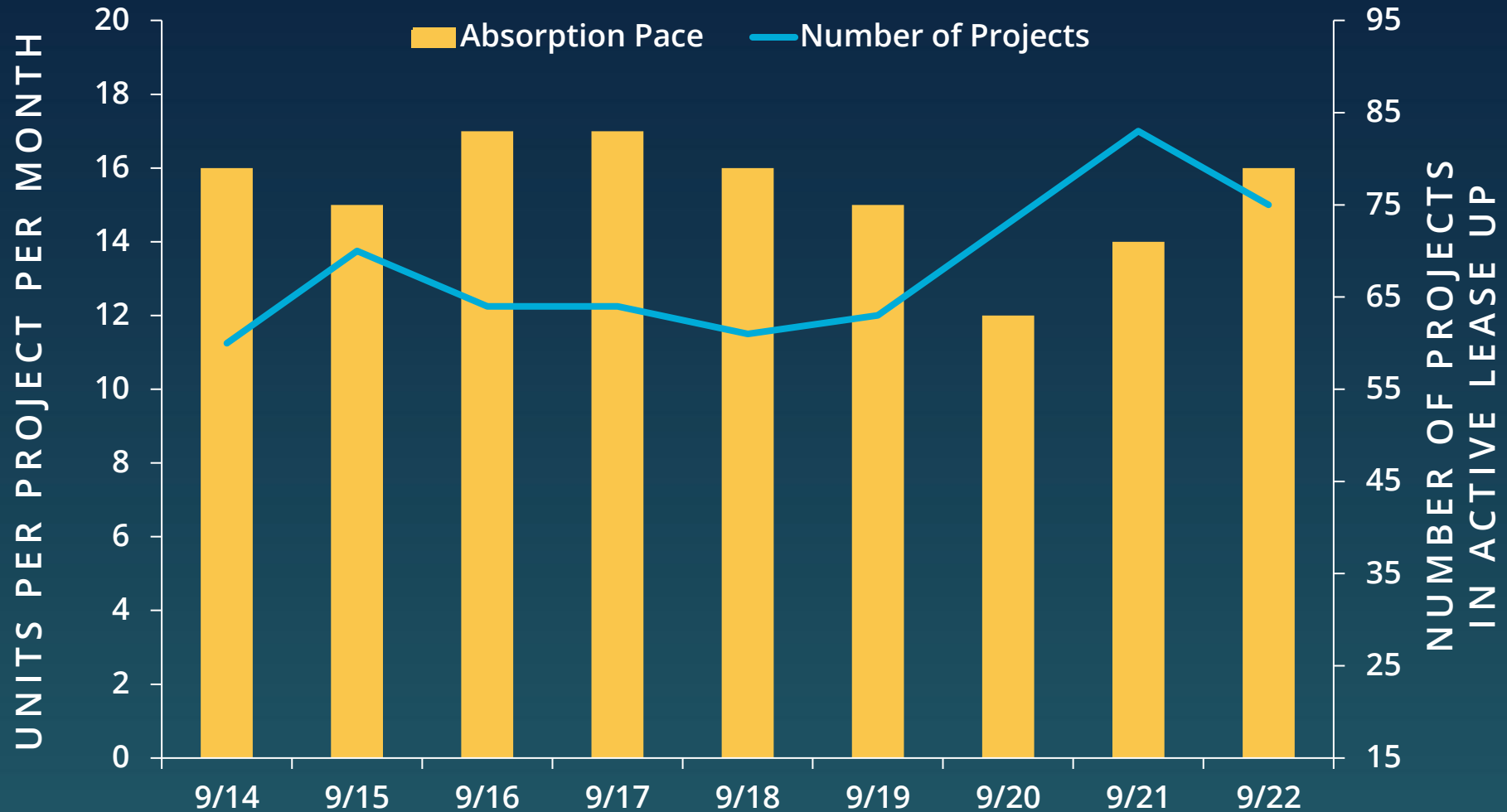
CLASS A APARTMENT ABSORPTION

Top 10 Submarkets in Washington Metro Area | 12 Mo. Ending September 2022



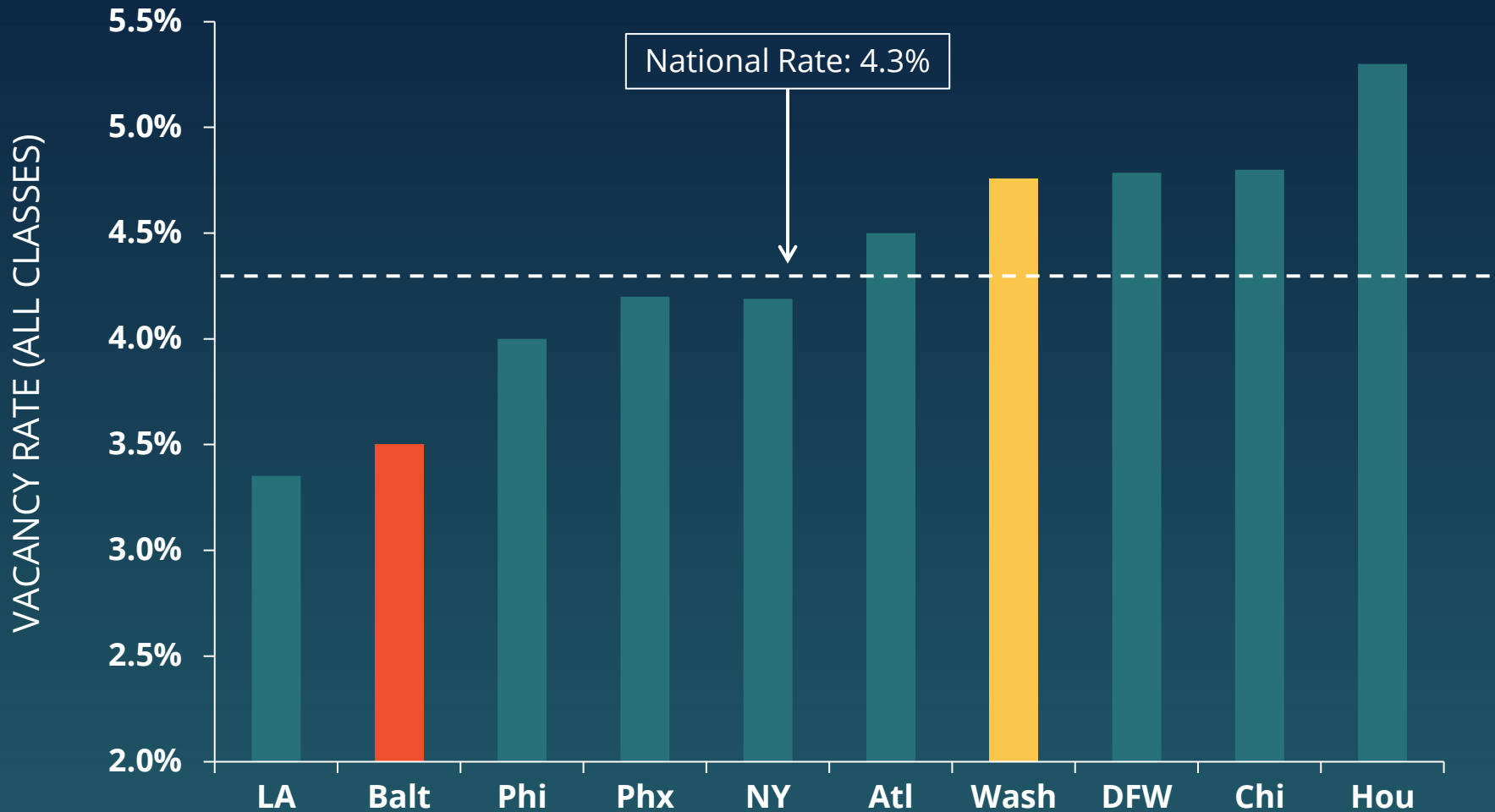
ABSORPTION PACE

Class A Projects in Initial Lease-Up | Washington Metro Area



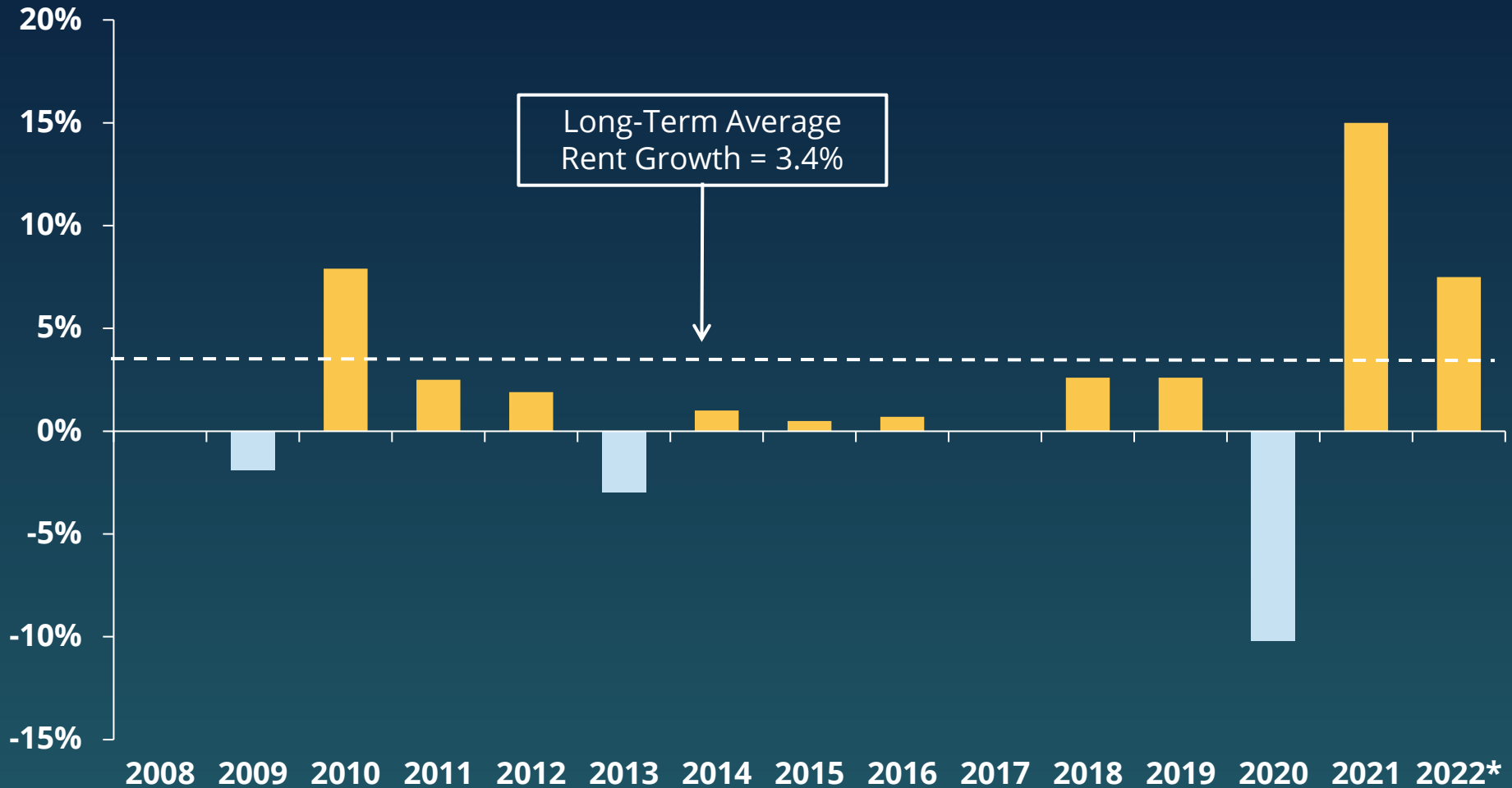
STABILIZED APARTMENT VACANCY RATES

Major Apartment Markets | Second Quarter 2022



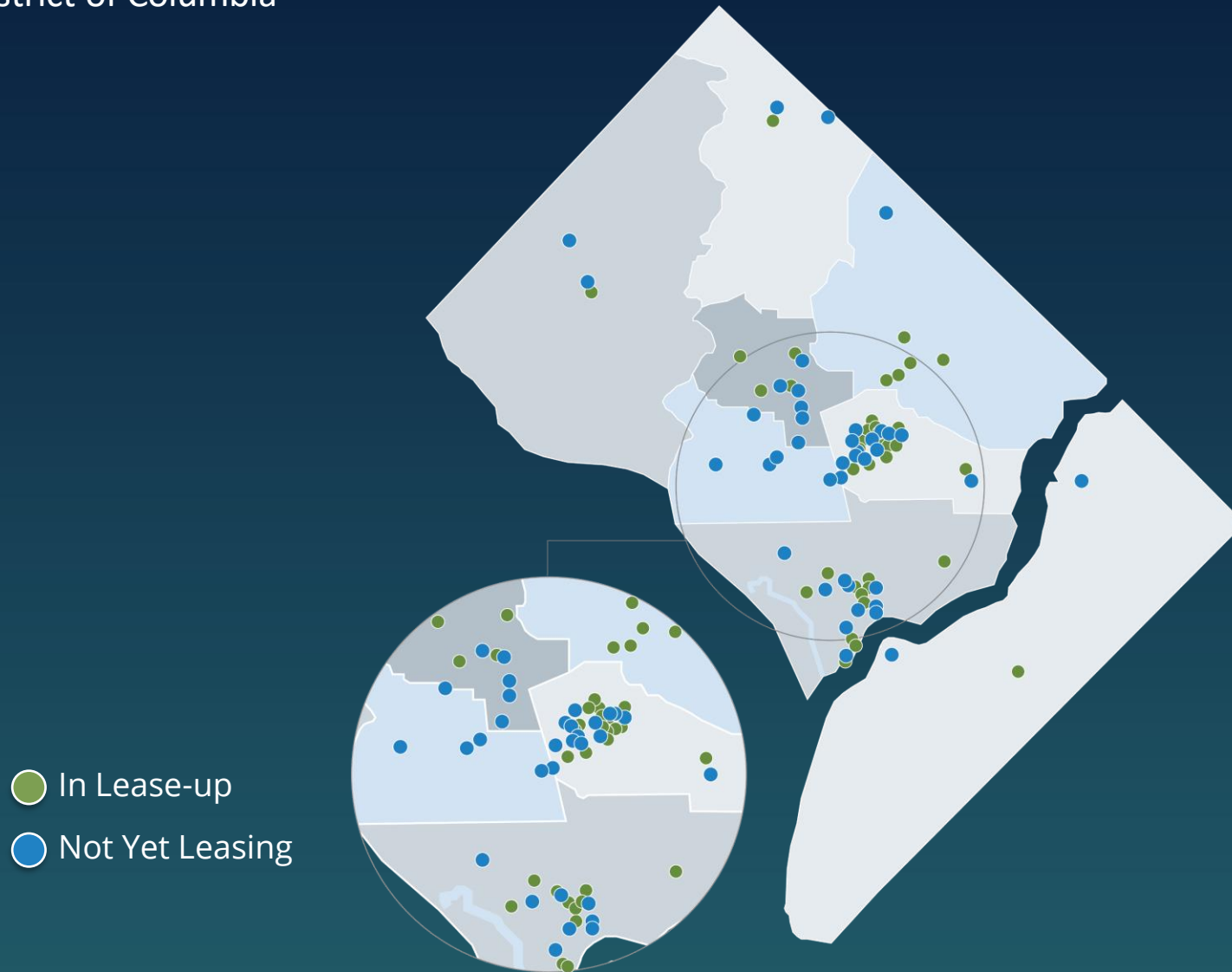
ANNUAL EFFECTIVE RENT GROWTH

Class A Apartments | Washington Metro Area | 2008 - 2022



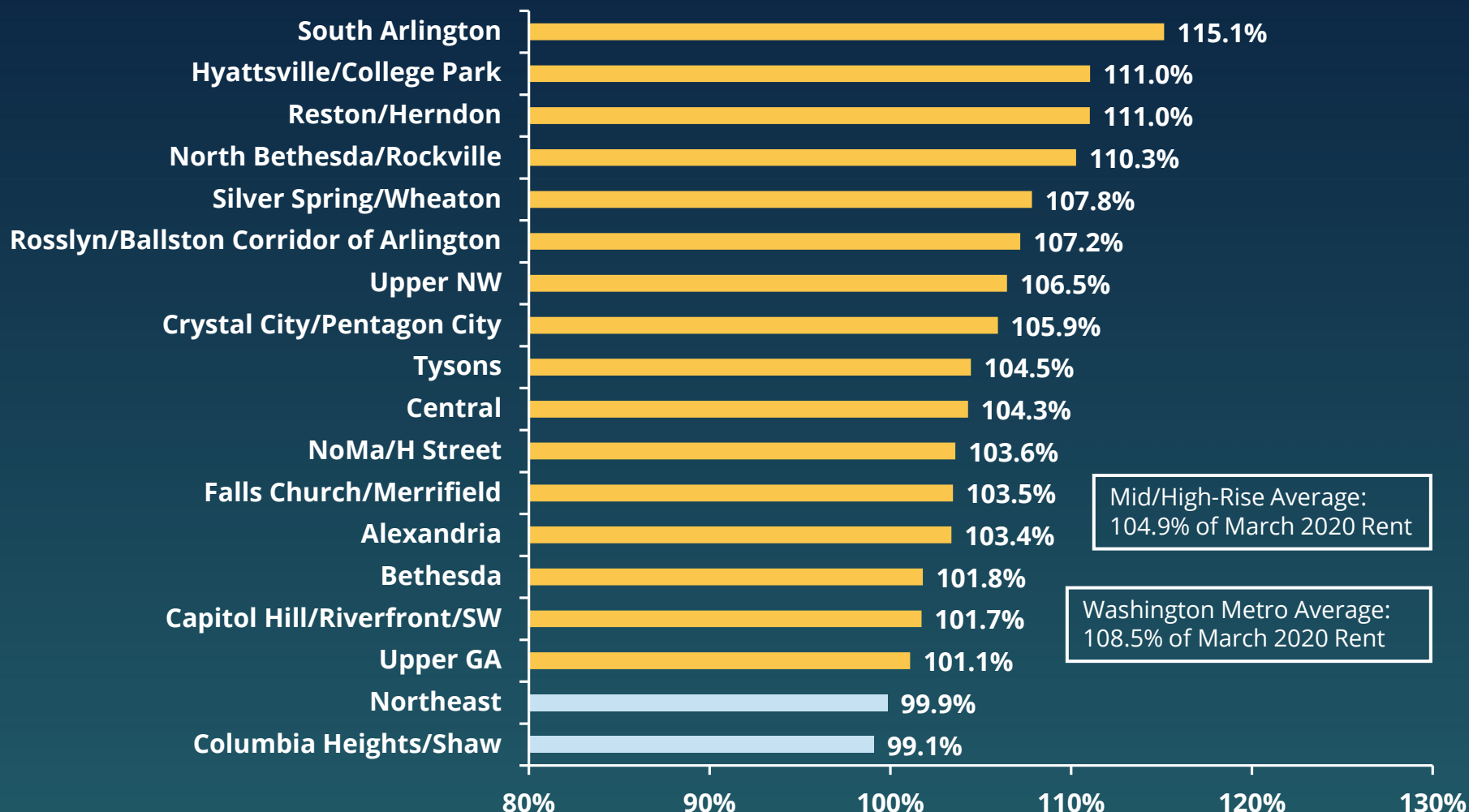
PROJECTS CURRENTLY UNDER CONSTRUCTION

District of Columbia



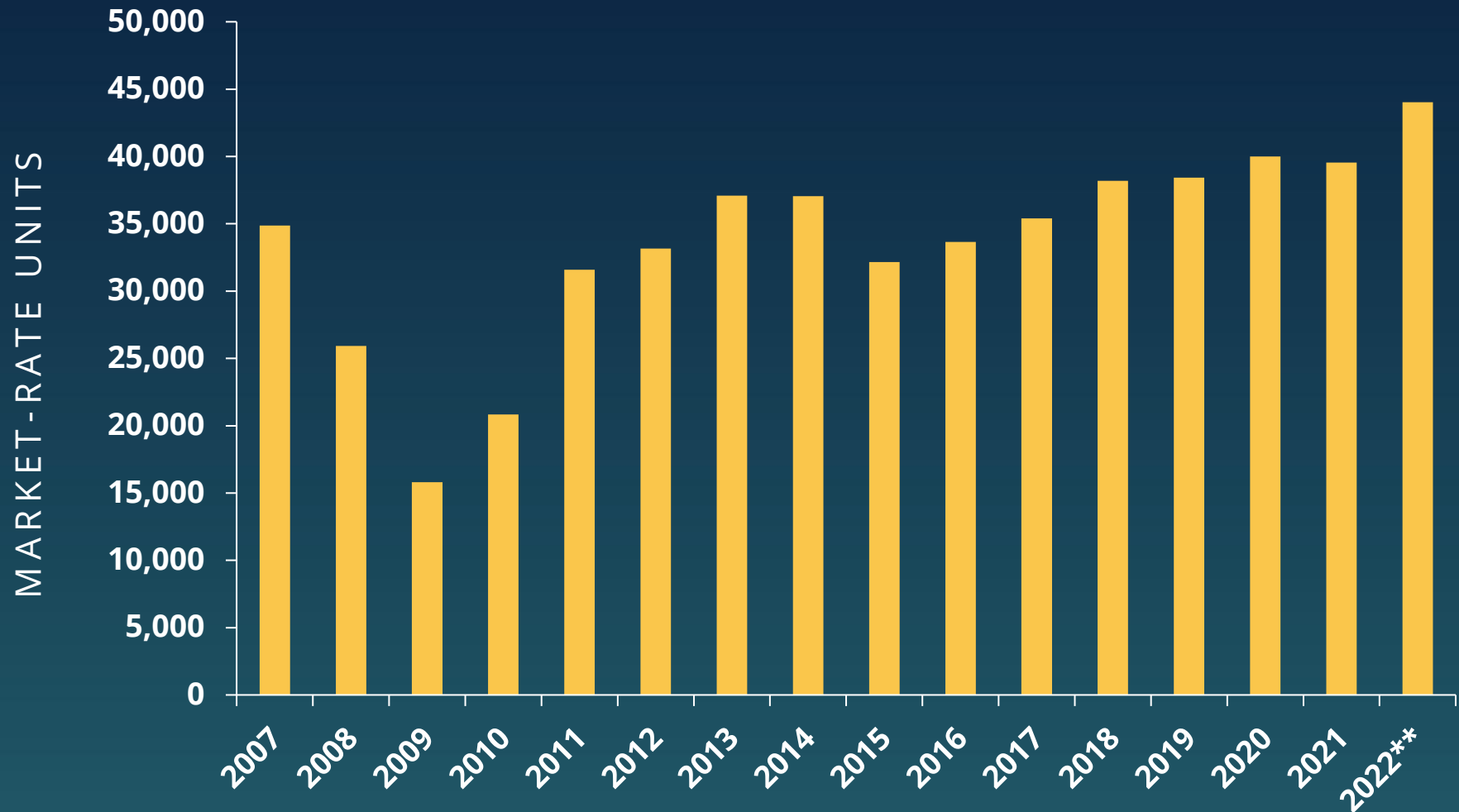
CLASS A APARTMENT RENT RECOVERY

Mid/High-Rise Submarkets | Q3 2022 Rent as a Percentage of March 2020 Rent



36-MONTH APARTMENT DEVELOPMENT PIPELINE*

Washington Metro Area | 2007 - 2022



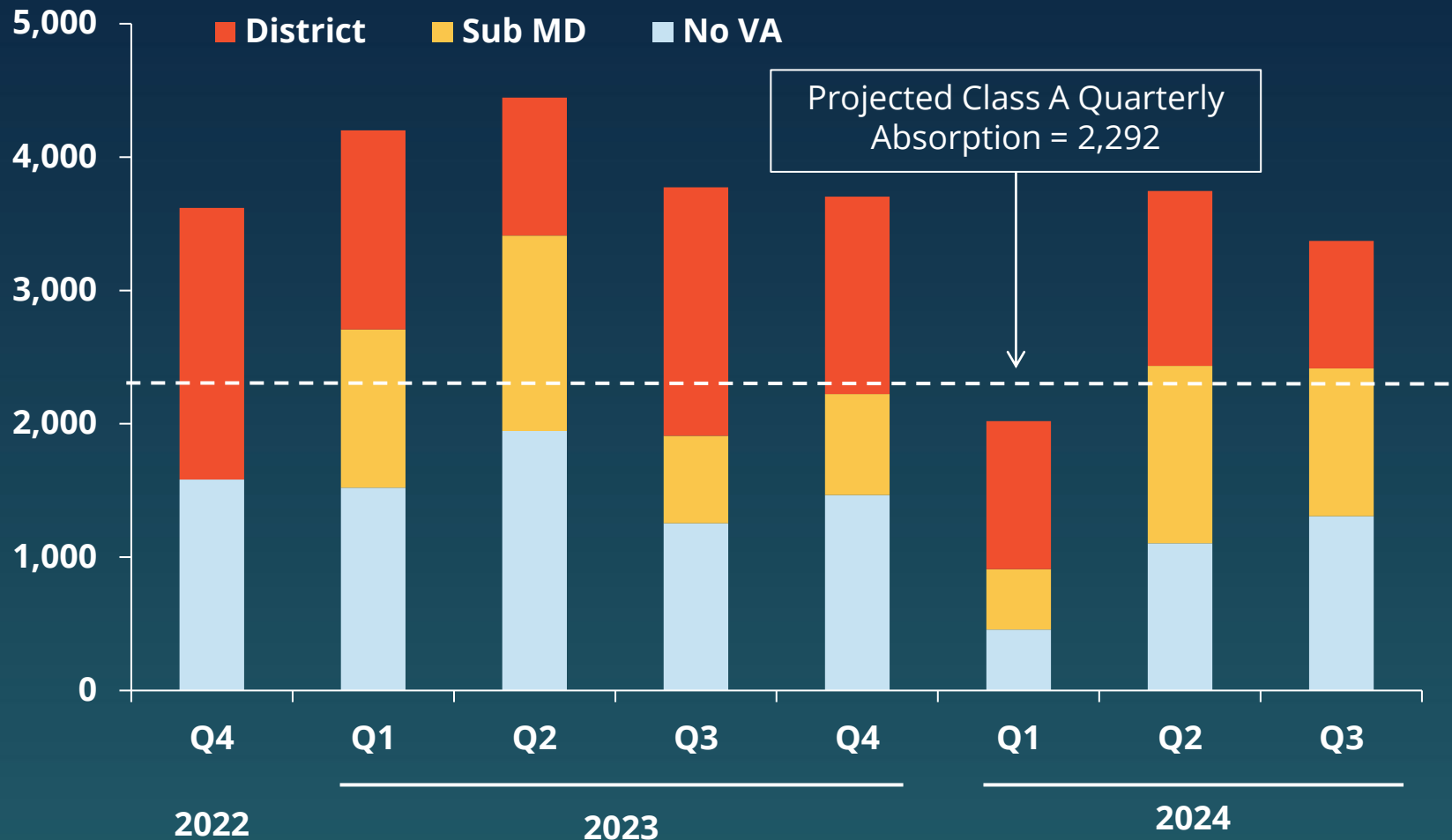
Source: Delta Associates; October 2022.

*Market-Rate Units Planned and Under Construction After Attrition.

**As of Third Quarter.

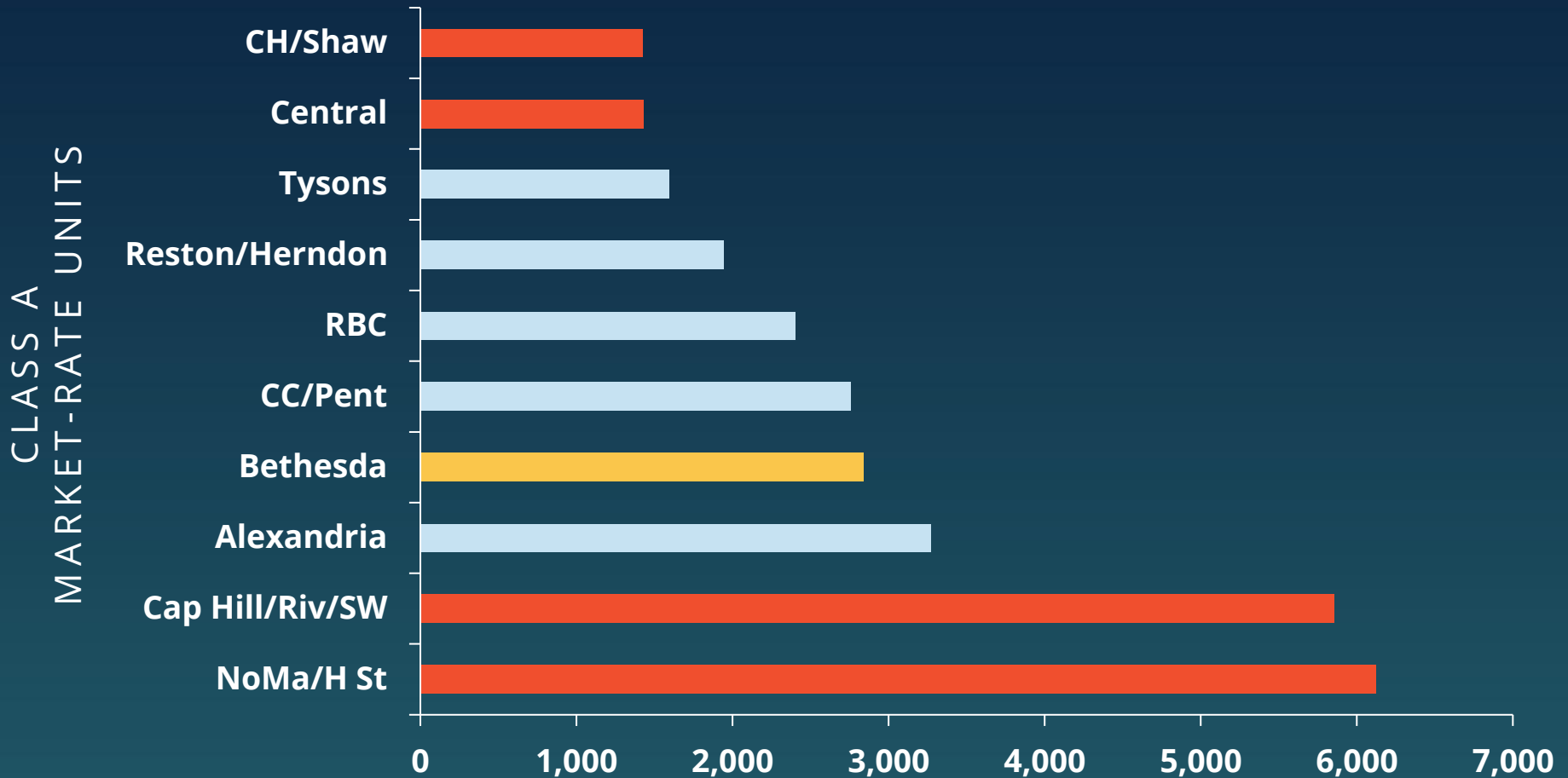
PROJECTED DELIVERIES

Washington Metro | 2022 – 2024



36-MONTH APARTMENT DEVELOPMENT PIPELINE

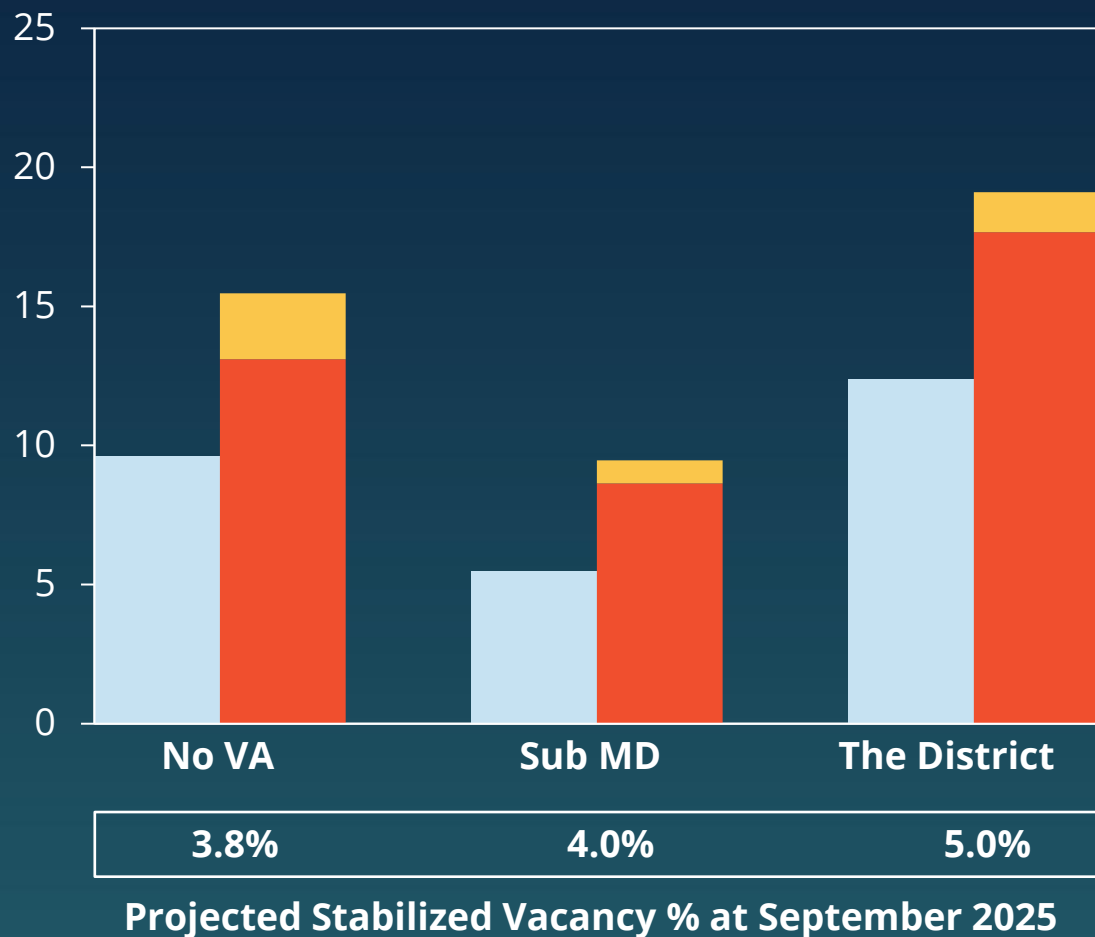
Top 10 HR Submarkets in Washington Metro Area | Third Quarter 2022



DEMAND AND SUPPLY PROJECTIONS

Washington Metro Class A Apartment Market | 36 Mo. Ending September 2025

MARKET-RATE UNITS (IN THOUSANDS)



DEMAND

Net Absorption:
9,167/Year = 27,500

SUPPLY ¹

Planned and may
deliver by 9/25:
4,625 units

Under construction
supply:
39,409 units ²

Total = 44,034 units

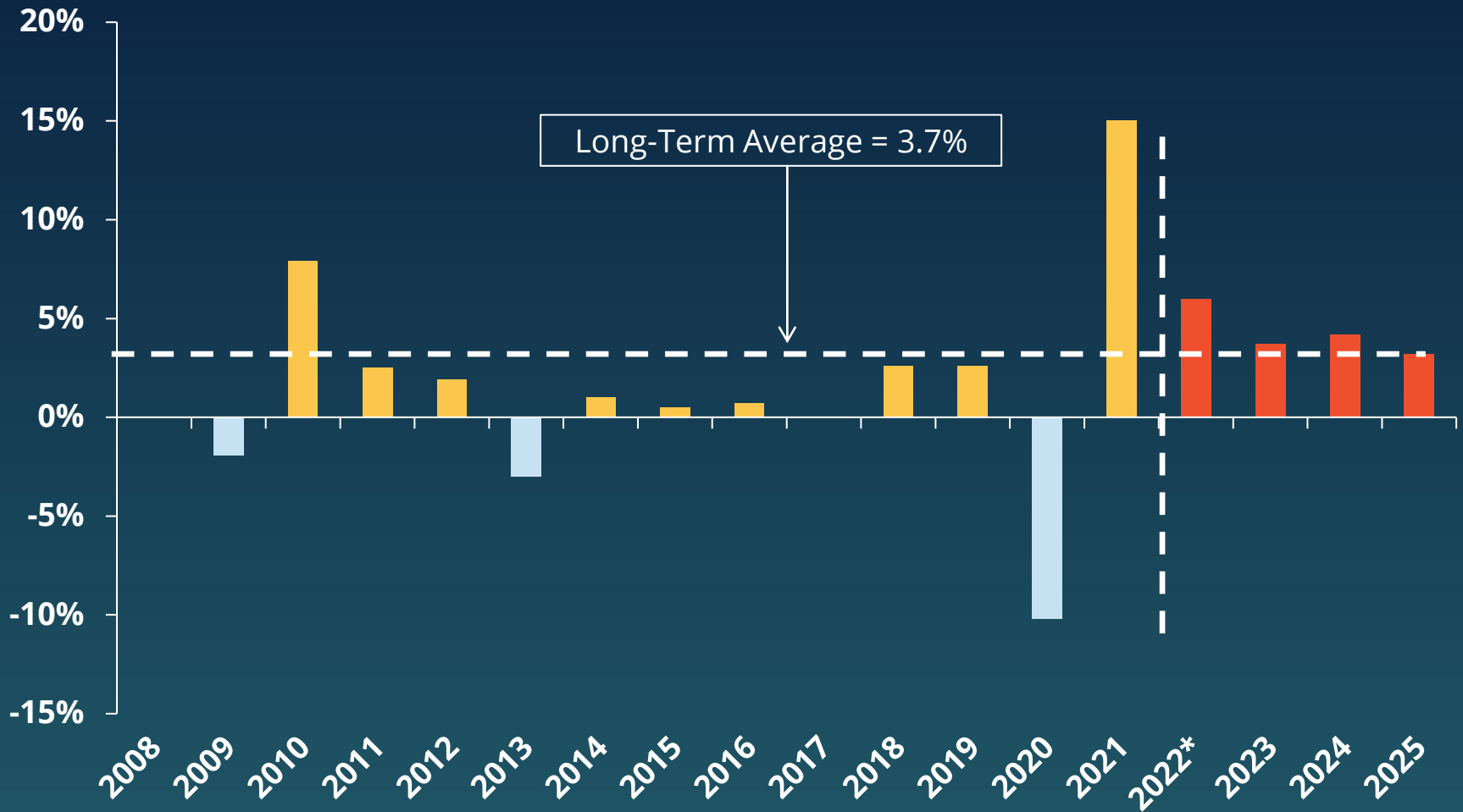
¹ Probable supply after projected
attrition.

² Includes unleased units at
projects in lease-up.

Projected Metro Average = 4.2%

ANNUAL CLASS A APARTMENT RENT GROWTH

Class A Apartments | Washington Metro Area | 2008 - 2025

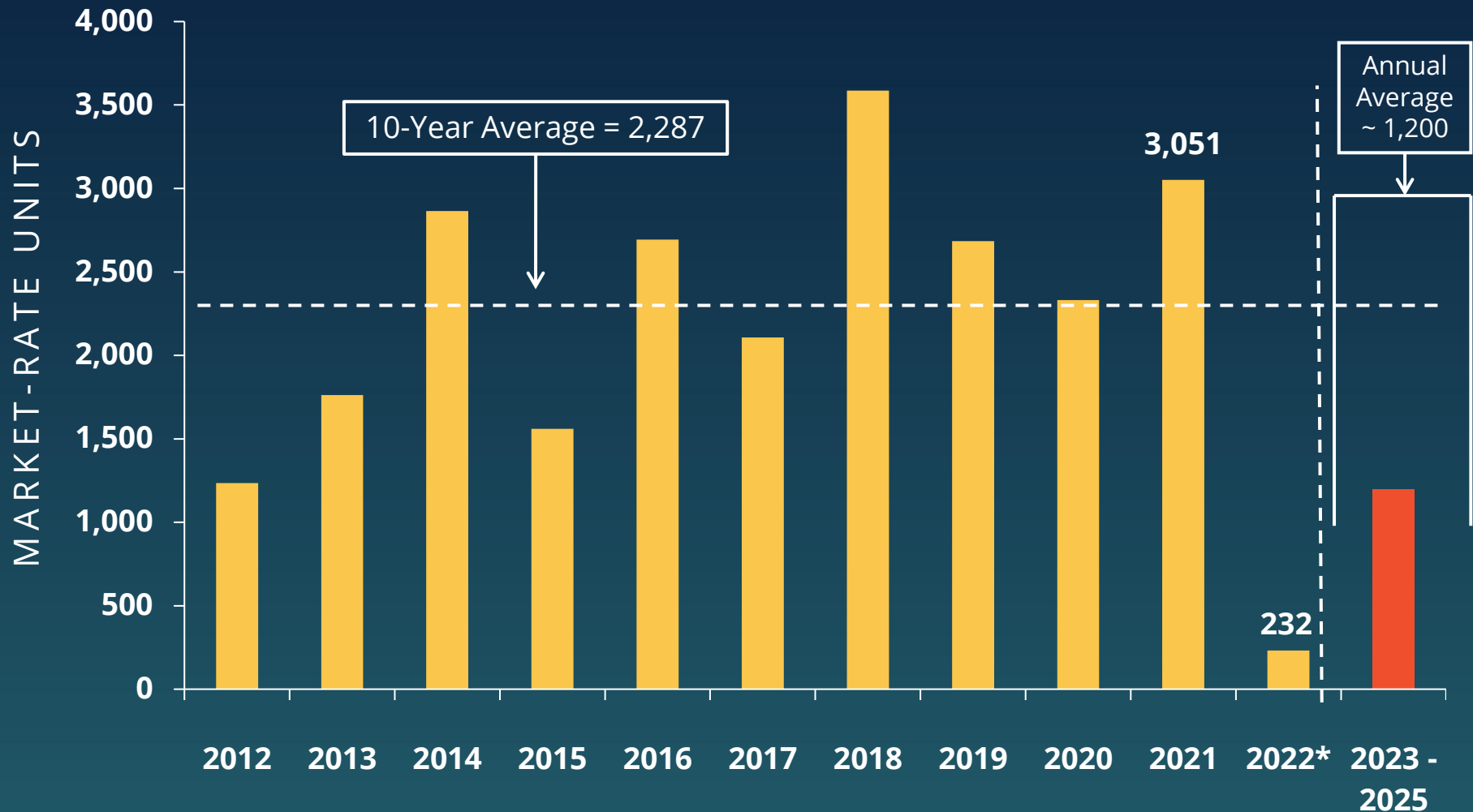




**THE BALTIMORE
METRO AREA
APARTMENT
MARKET**

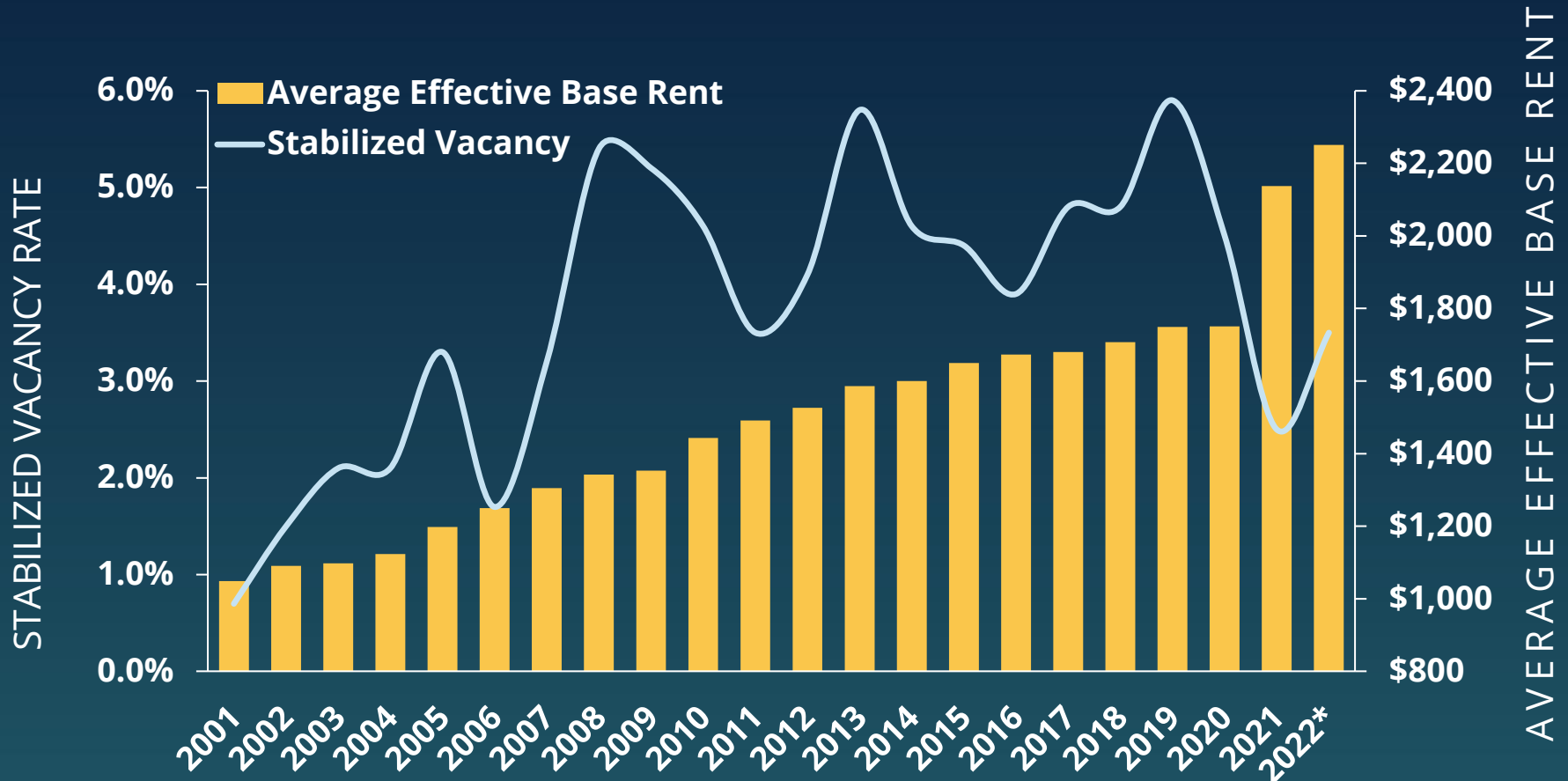
CLASS A APARTMENT ABSORPTION

Class A Apartments | Baltimore Metro | 2012 - 2025



EFFECTIVE RENT AND VACANCY RATE

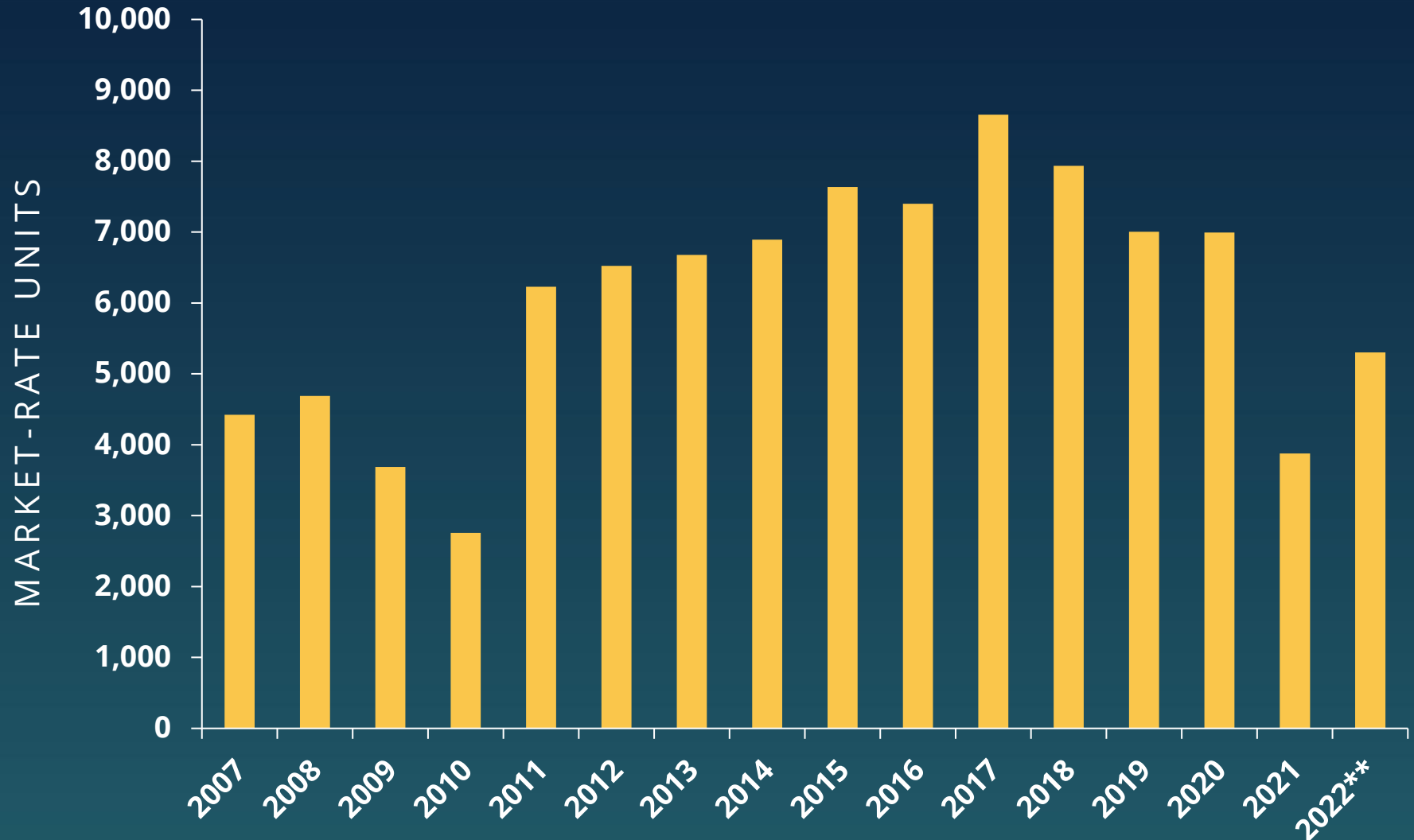
Class A Apartments | Baltimore Metro | 2001 - 2022



3.2% / YEAR
LONG-TERM RENT GROWTH

36-MONTH APARTMENT DEVELOPMENT PIPELINE*

Baltimore Metro Area | 2007 - 2022



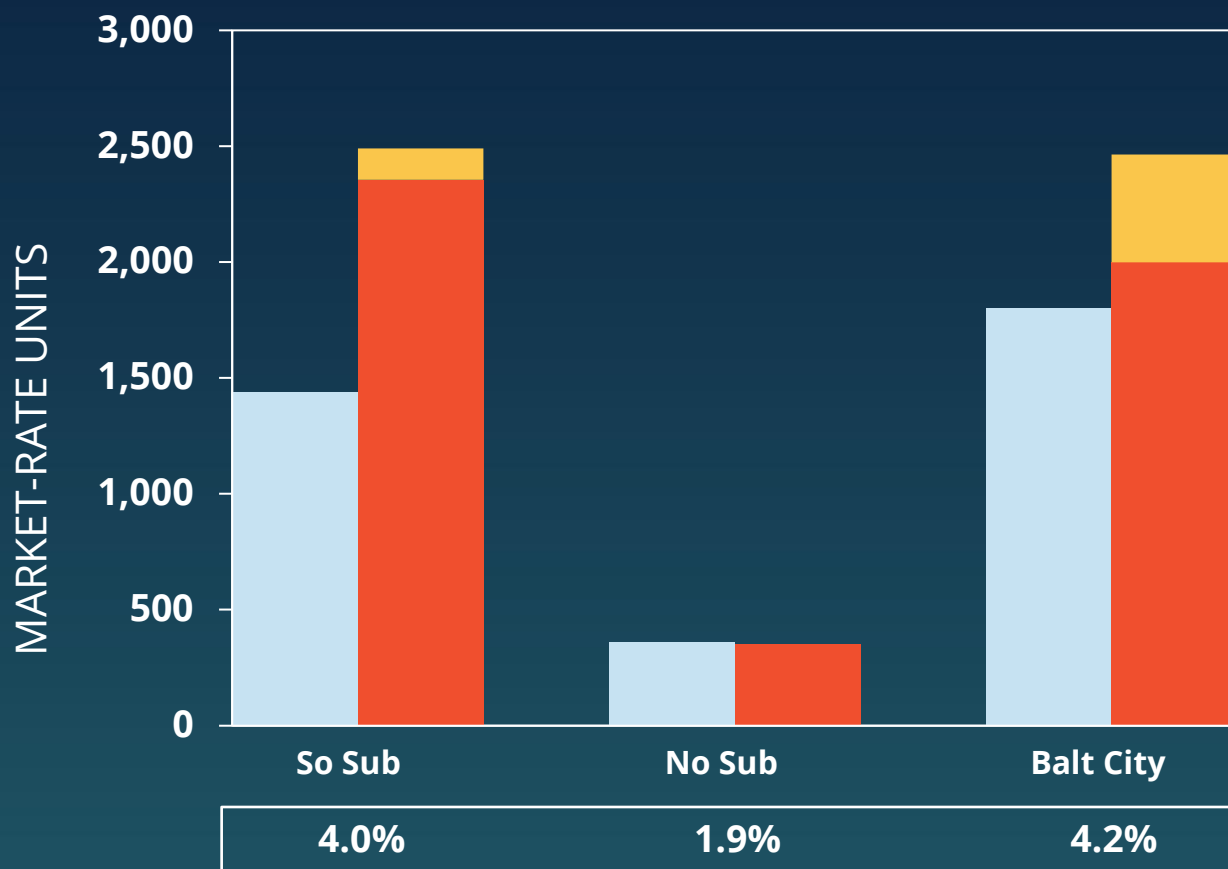
Source: Delta Associates; October 2022.

*Market-Rate Units Planned and Under Construction After Attrition.

**As of Third Quarter.

DEMAND AND SUPPLY PROJECTIONS

Baltimore Metro Class A Apartment Market | 36 Mo. Ending September 2025



Projected Stabilized Vacancy % at September 2025

Projected Metro Average = 3.5%

DEMAND

Net Absorption:
1,200/Year = 3,600

SUPPLY ¹

Planned and may
deliver by 9/25:
600 units

Under construction
supply:
4,704 units ²

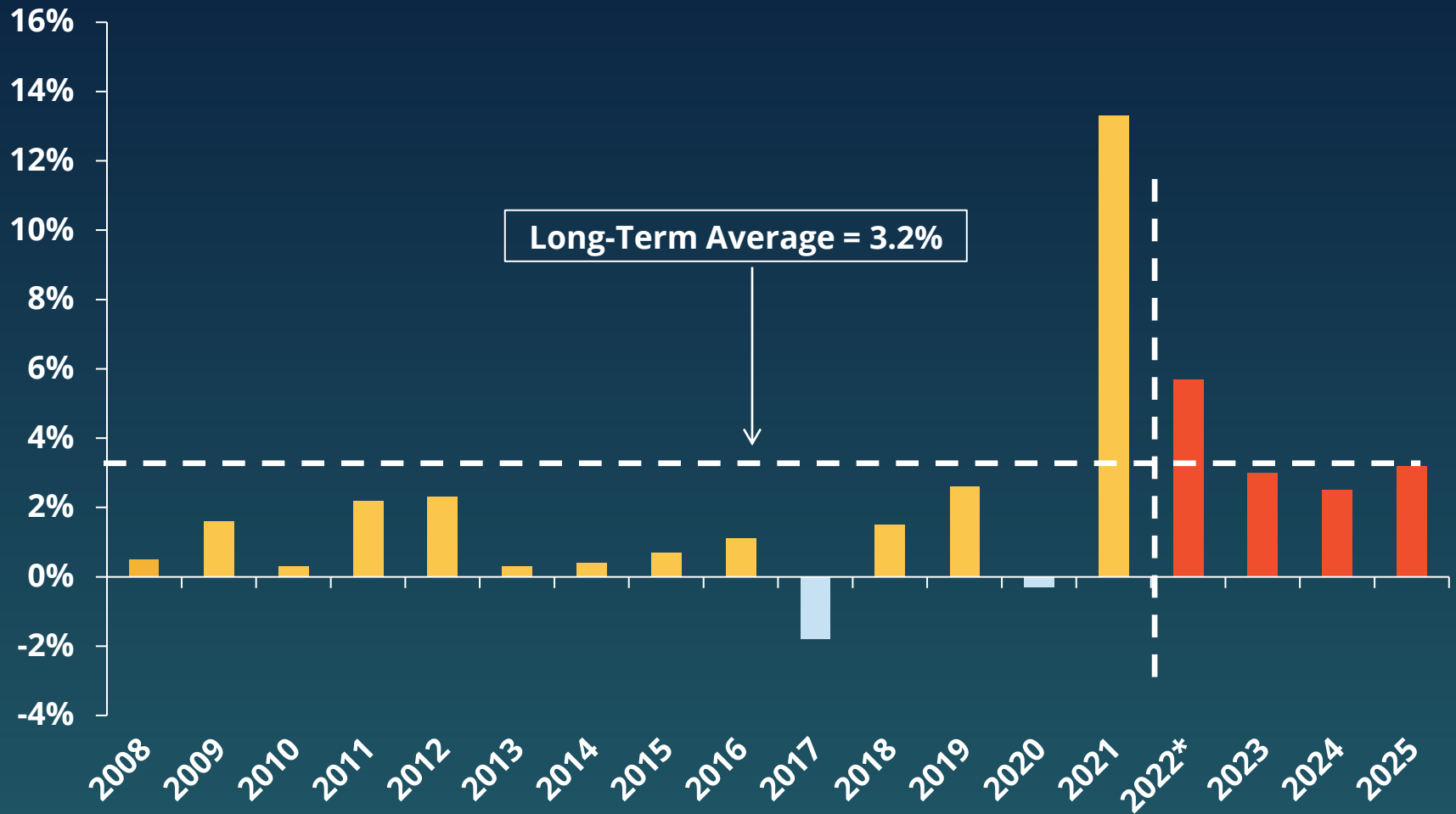
Total = 5,304 units

¹ Probable supply after projected
attrition.

² Includes unleased units at
projects in lease-up.

ANNUAL CLASS A APARTMENT RENT GROWTH

Class A Apartments | Baltimore Metro Area | 2008 - 2025



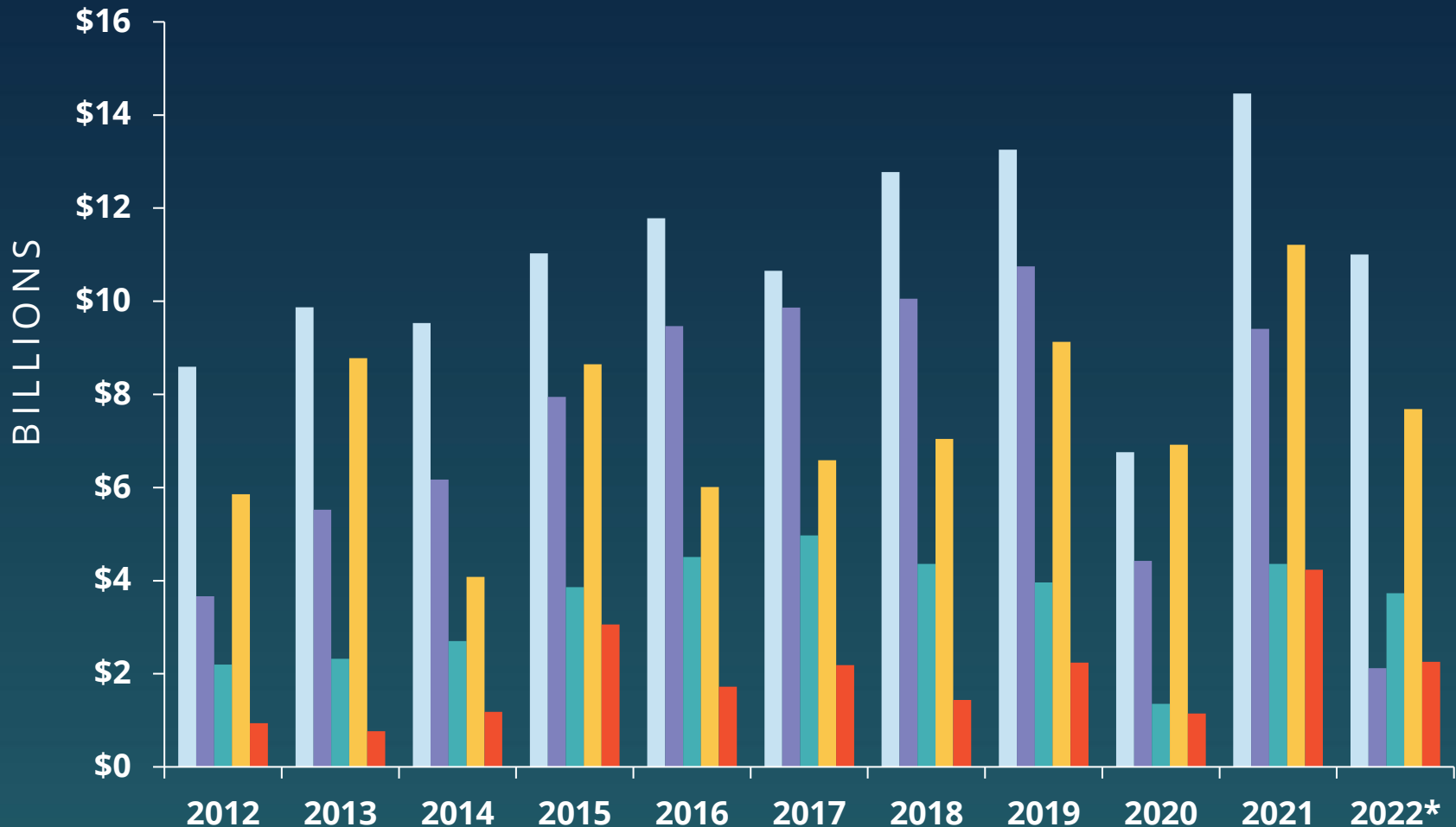


**THE
WASHINGTON/
BALTIMORE AREA
CAPITAL MARKETS**

APARTMENT INVESTMENT SALES

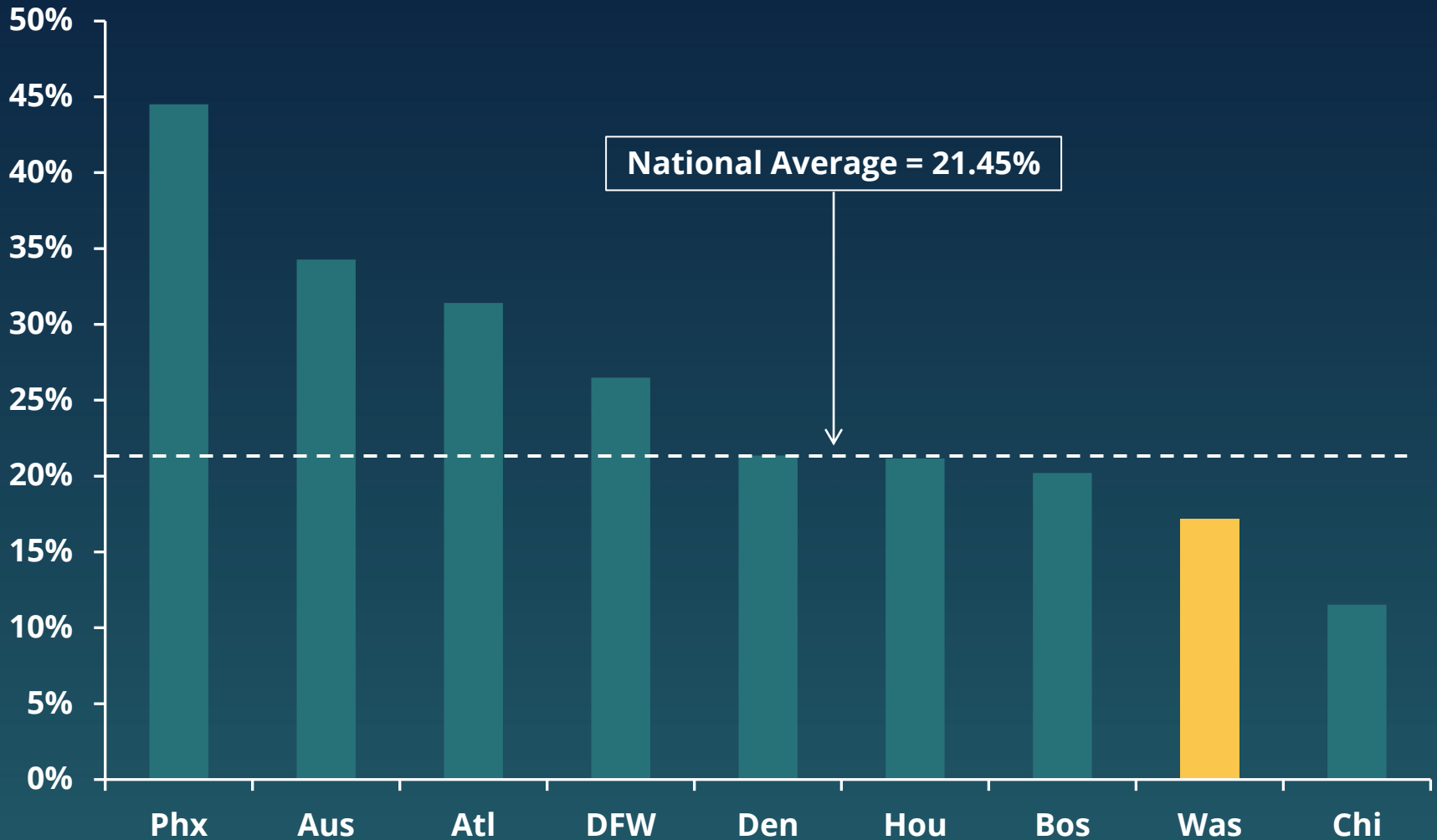
Selected Metro Areas | 2012 - 2022

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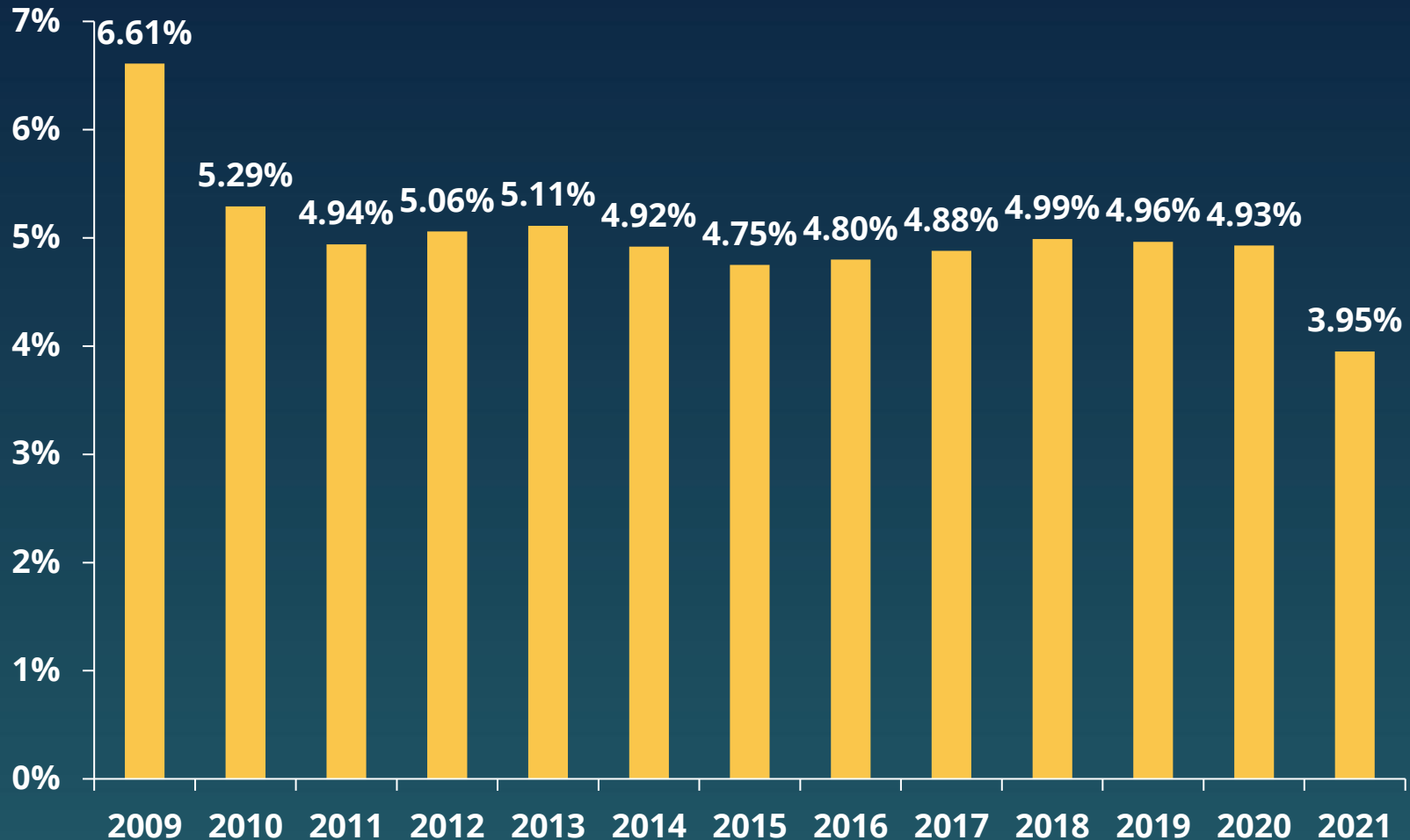
NCREIF RETURN INDEX FOR INVESTMENT-GRADE APARTMENTS

Selected Large Metro Areas | 12 Months Ending June 2022



CLASS A HIGH-RISE APARTMENT CAP RATES

Washington Metro Area | 2009 - 2021



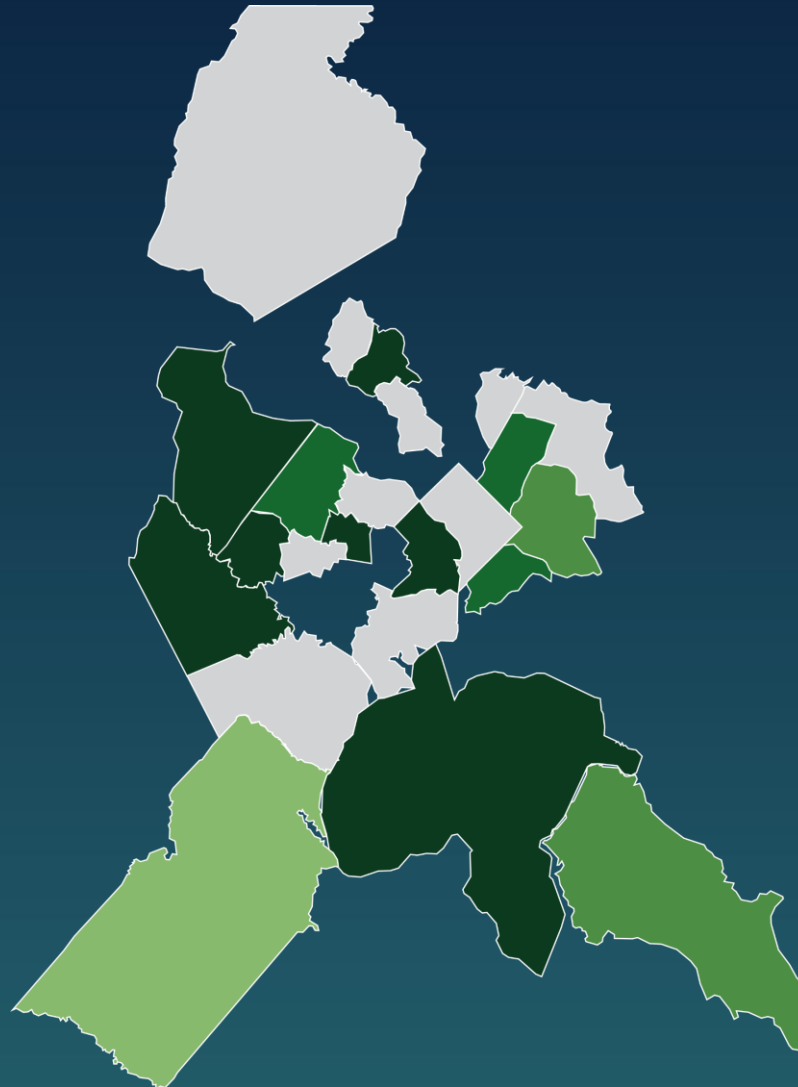


THE WASHINGTON/ BALTIMORE AREA APARTMENT MARKET TAKEAWAYS

YEARS OF SUPPLY

Low-Rise Class A Submarkets | Washington Metro Area

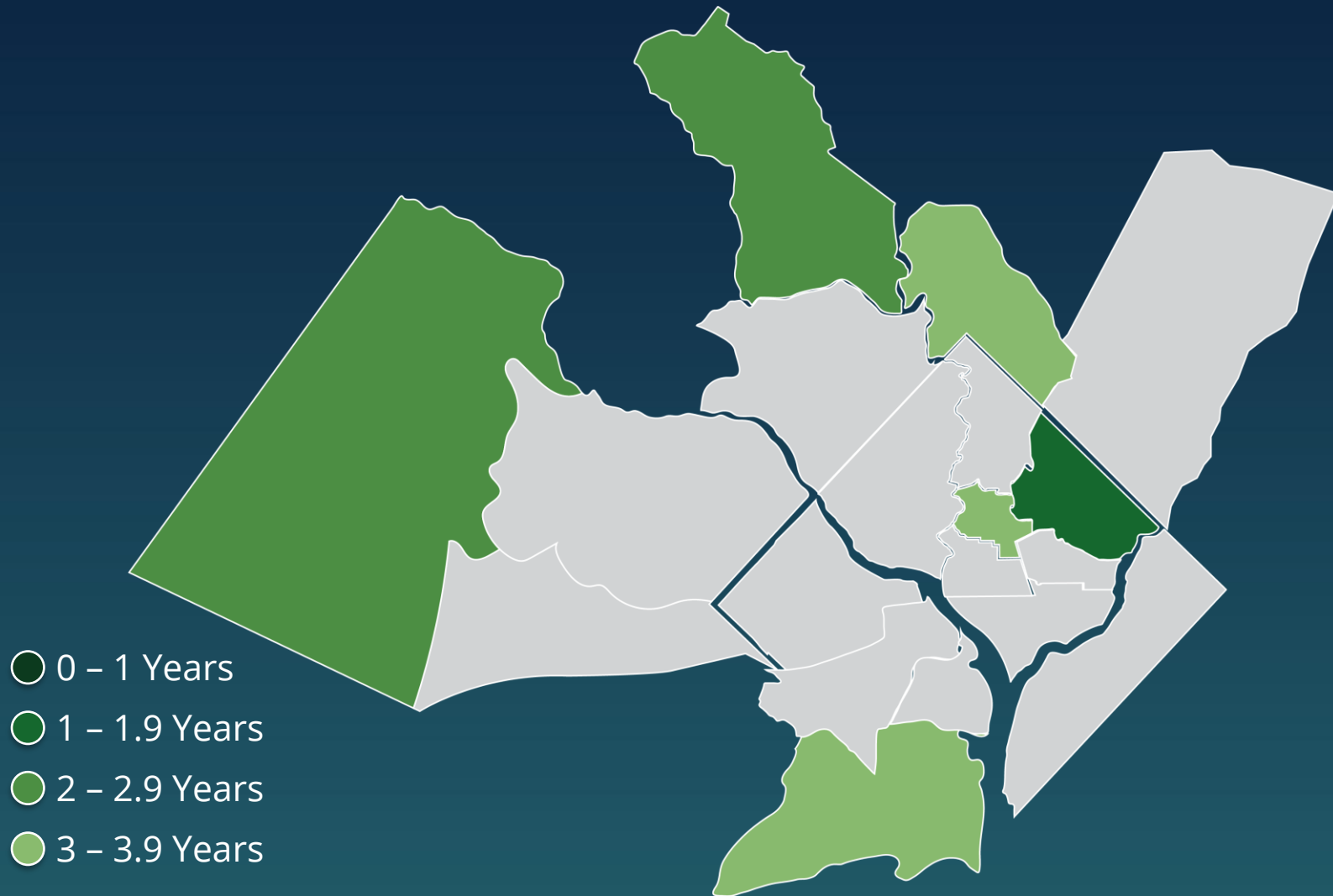
- 0 – 1 Years
- 1 – 1.9 Years
- 2 – 2.9 Years
- 3 – 3.9 Years



Source: Delta Associates; October 2022.

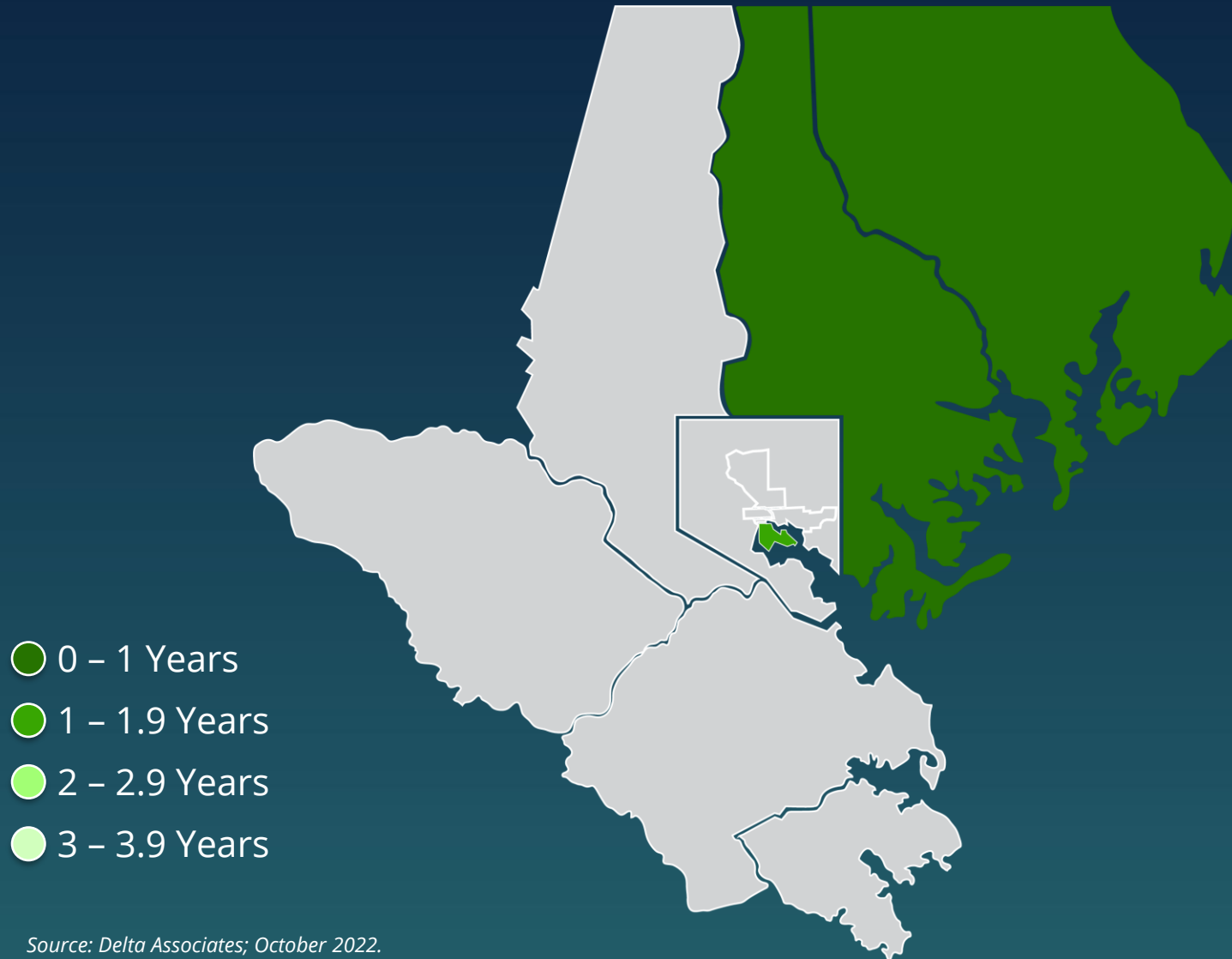
YEARS OF SUPPLY

High-Rise Class A Submarkets | Washington Metro Area



YEARS OF SUPPLY

Class A Submarkets | Baltimore Metro Area



Source: Delta Associates; October 2022.

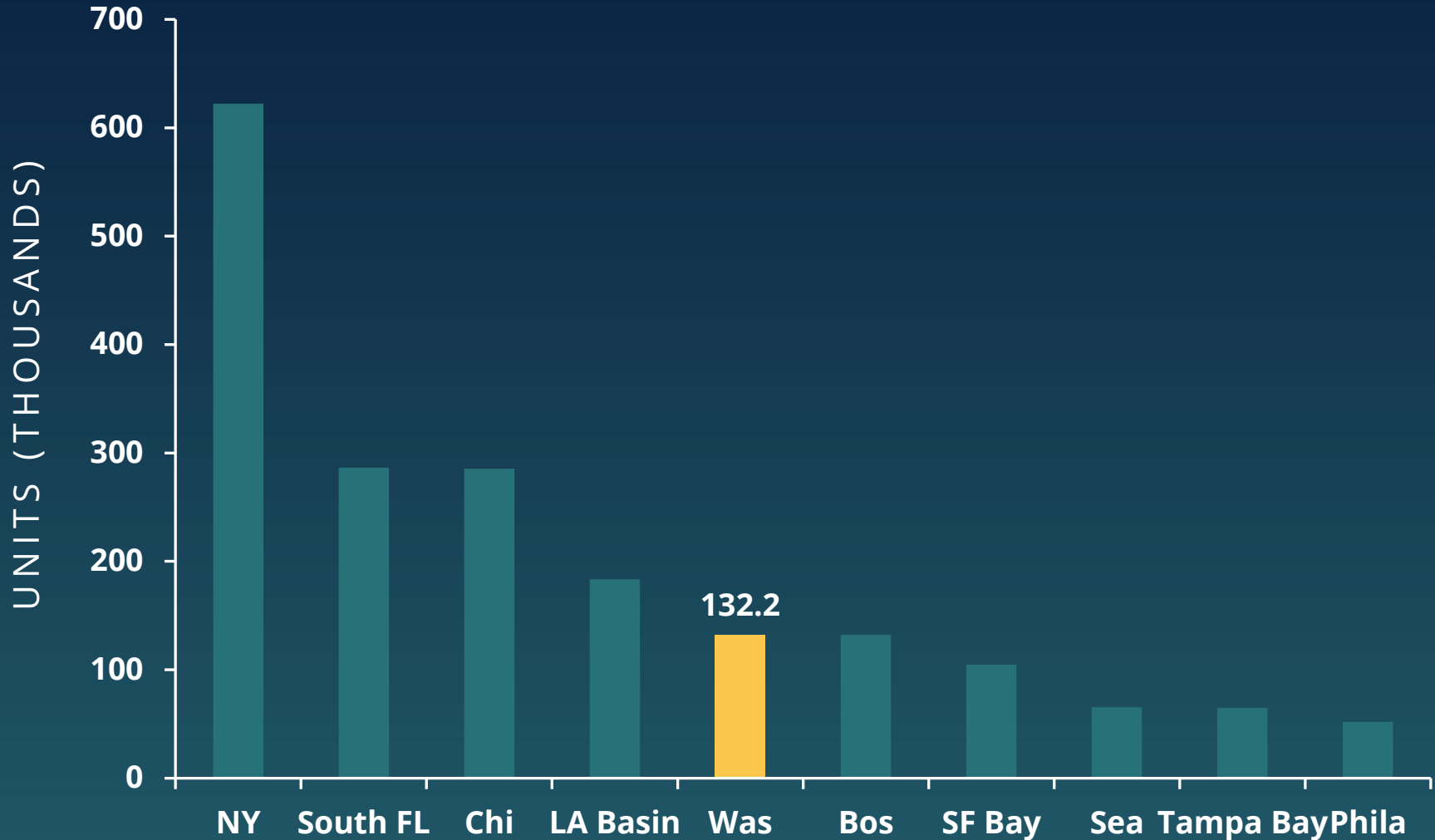


**THE WASHINGTON
METRO AREA**

**CONDOMINIUM
MARKET**

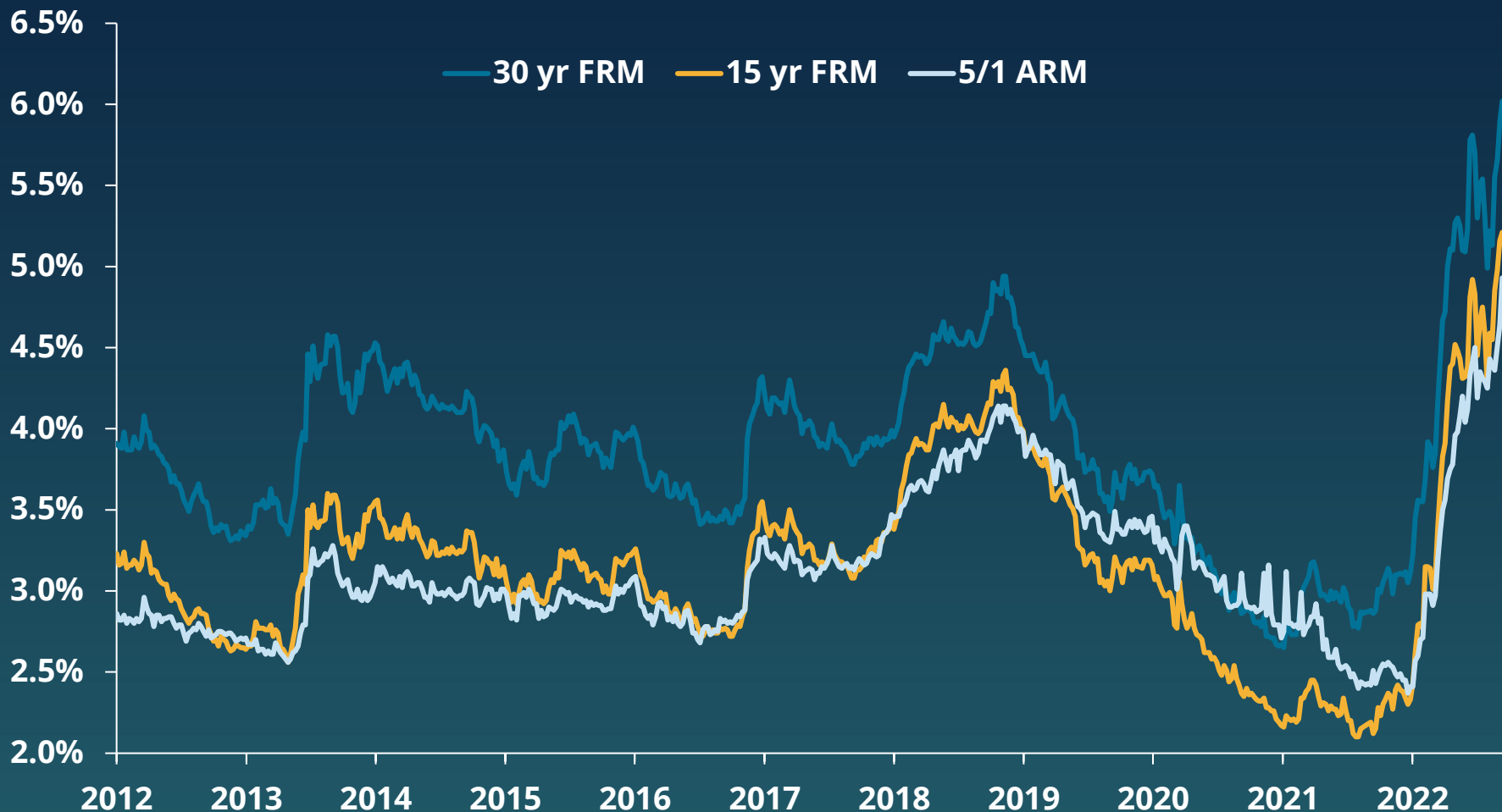
LARGEST CONDOMINIUM MARKETS

Selected Metro Areas | 2020



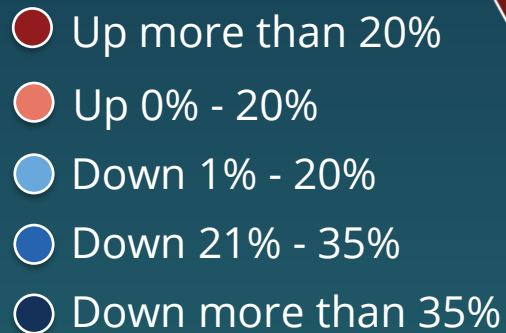
PRIMARY MORTGAGE INTEREST RATES

National Market Survey | 2012 – 2022*



Washington Metro Area | 12 Mo. Ending Sept. 2022 Compared to Prior Year

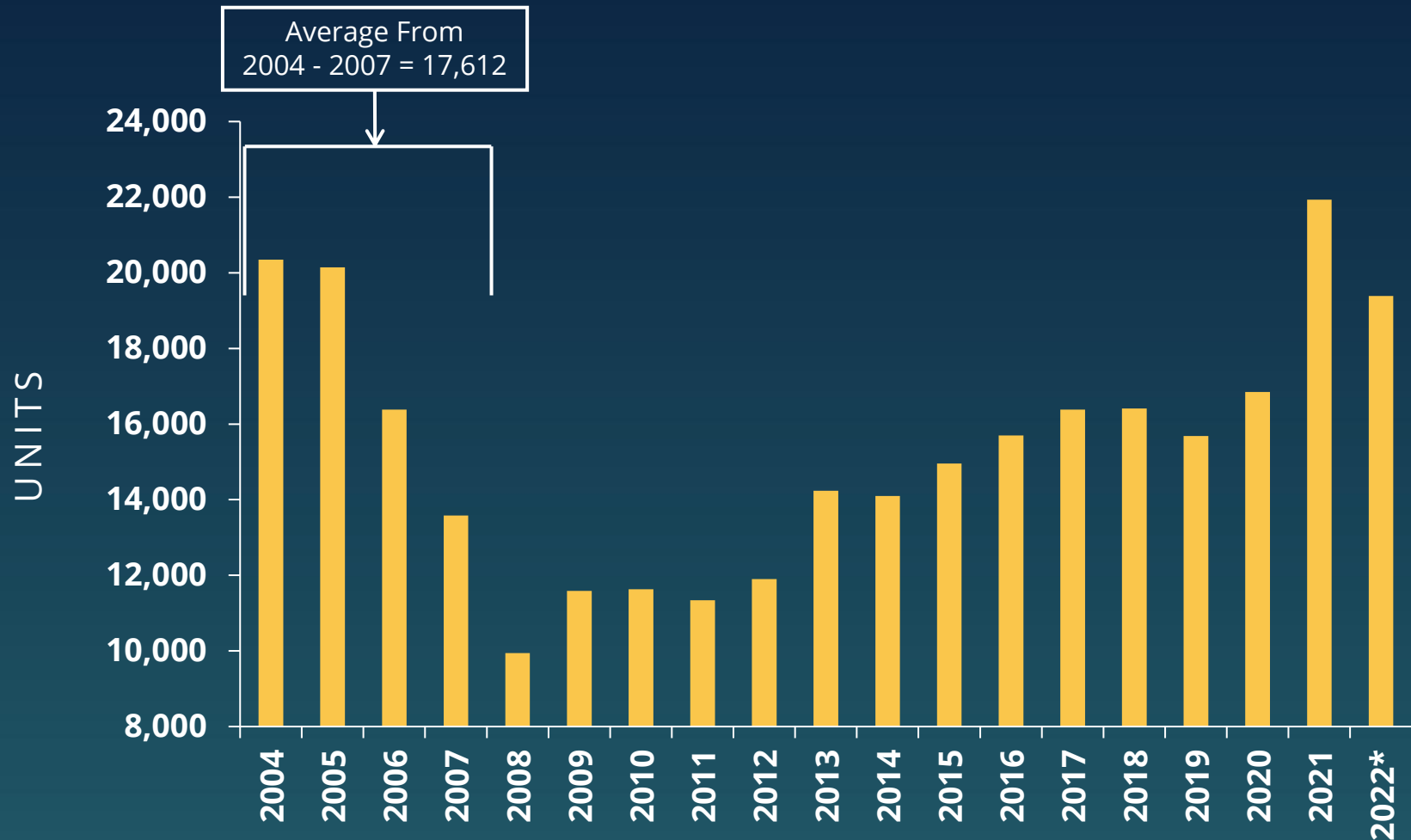
26TH ANNUAL MARKET OVERVIEW + AWARDS FOR EXCELLENCE



Source: Delta Associates; October 2022.

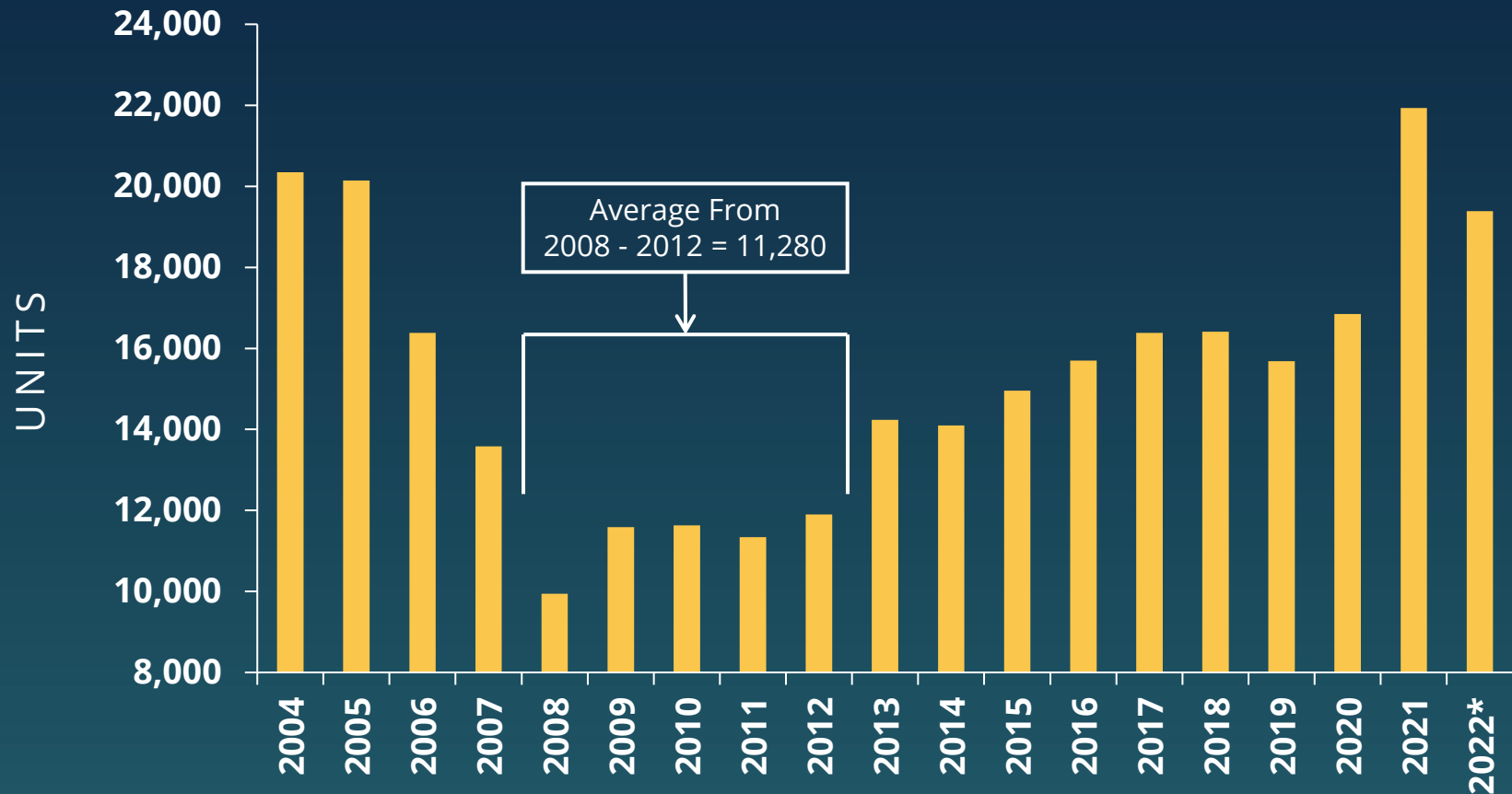
ANNUAL CONDOMINIUM RESALES

Washington Metro Area | 2004 - 2022



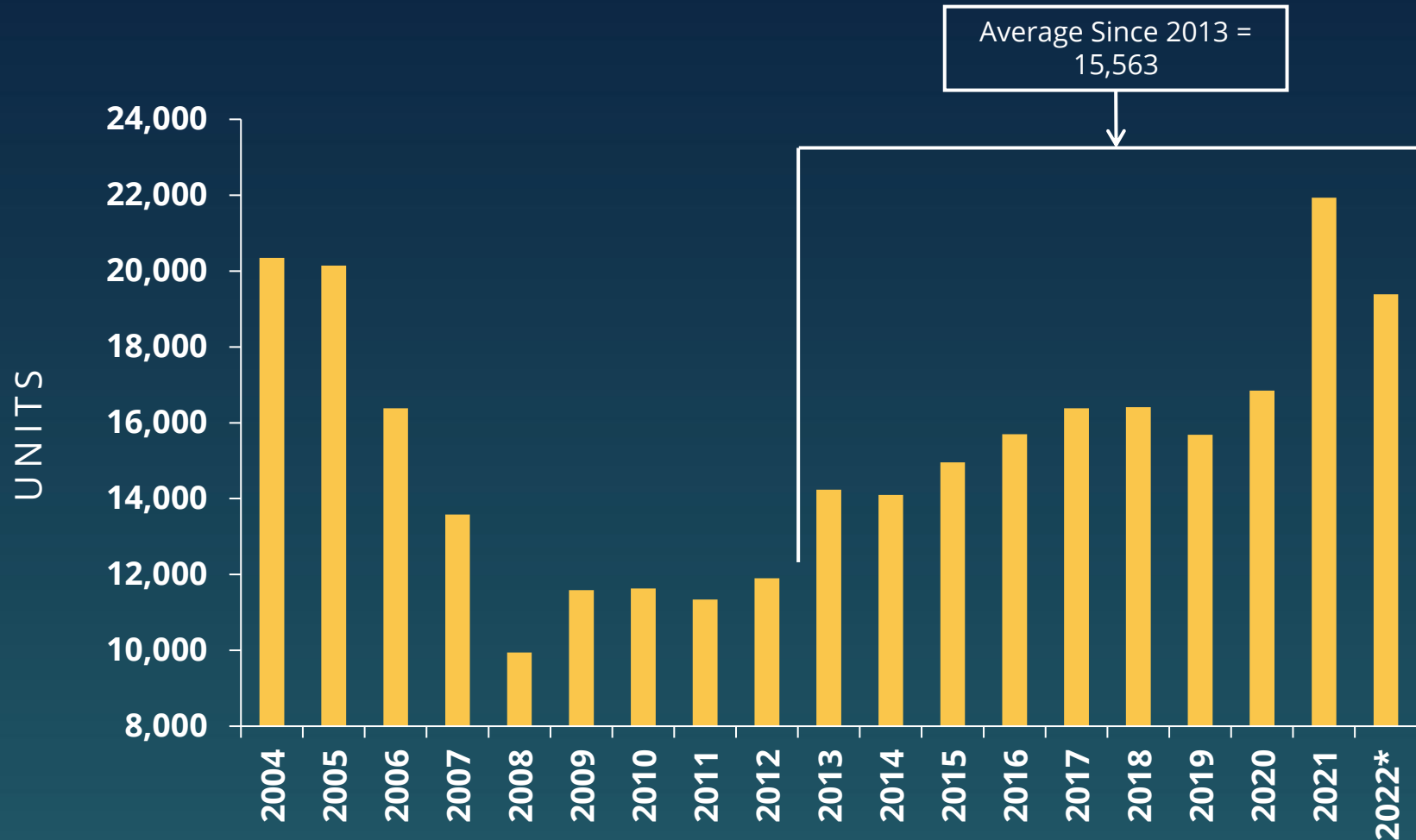
ANNUAL CONDOMINIUM RESALES

Washington Metro Area | 2004 - 2022



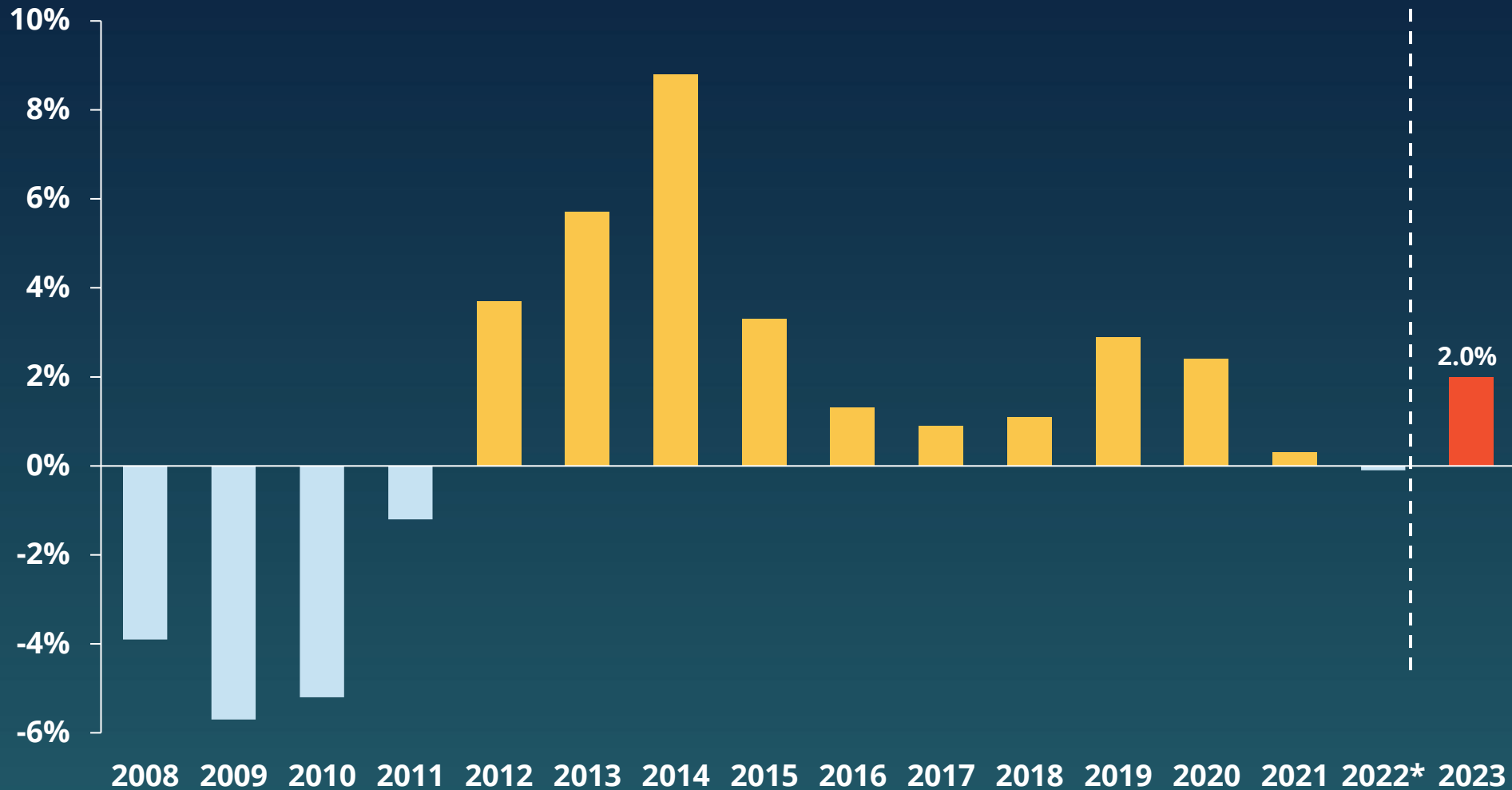
ANNUAL CONDOMINIUM RESALES

Washington Metro Area | 2004 - 2022



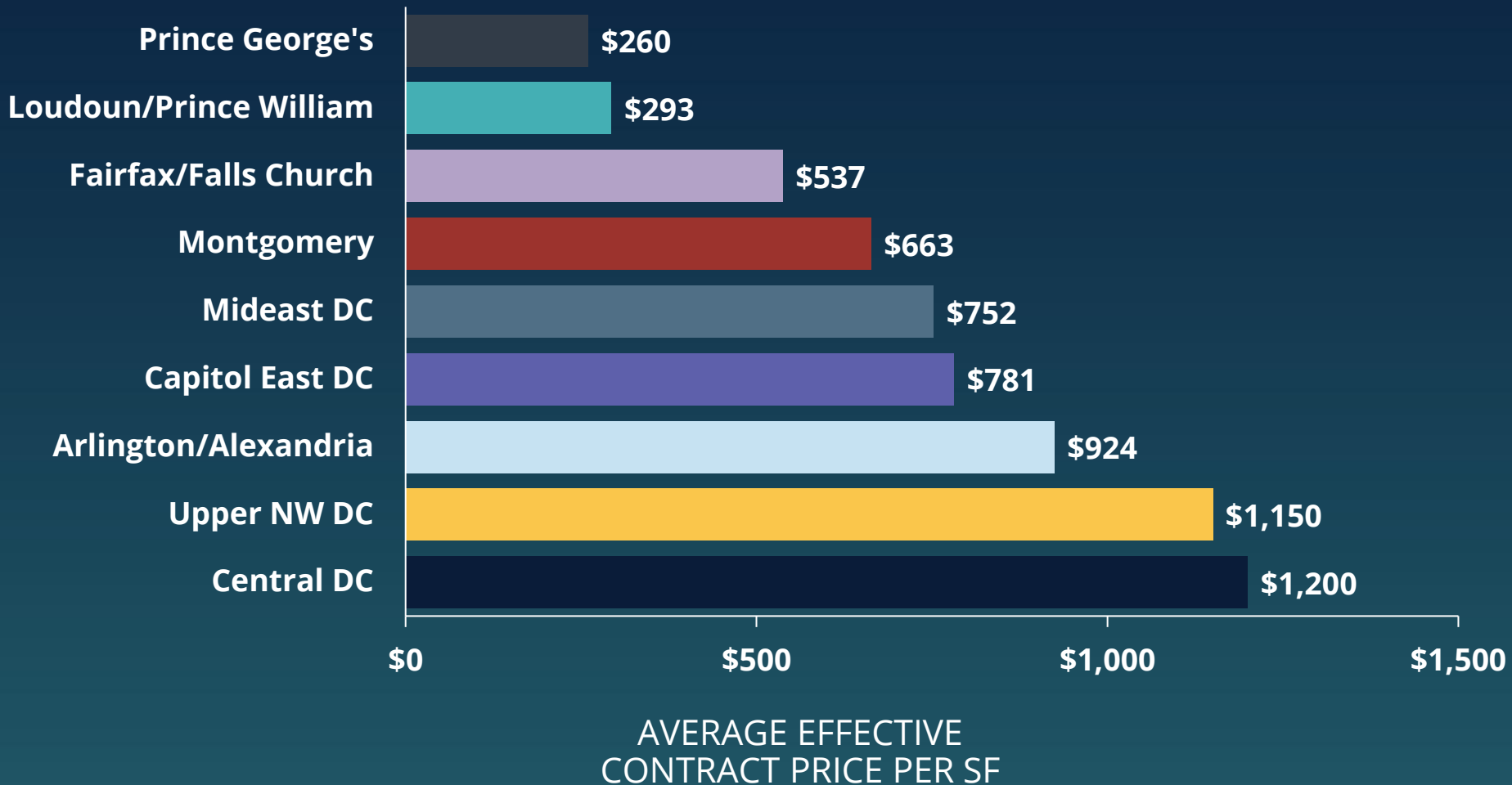
EFFECTIVE NEW CONDOMINIUM SALES PRICE CHANGE

Washington Metro Area | 2008 - 2023



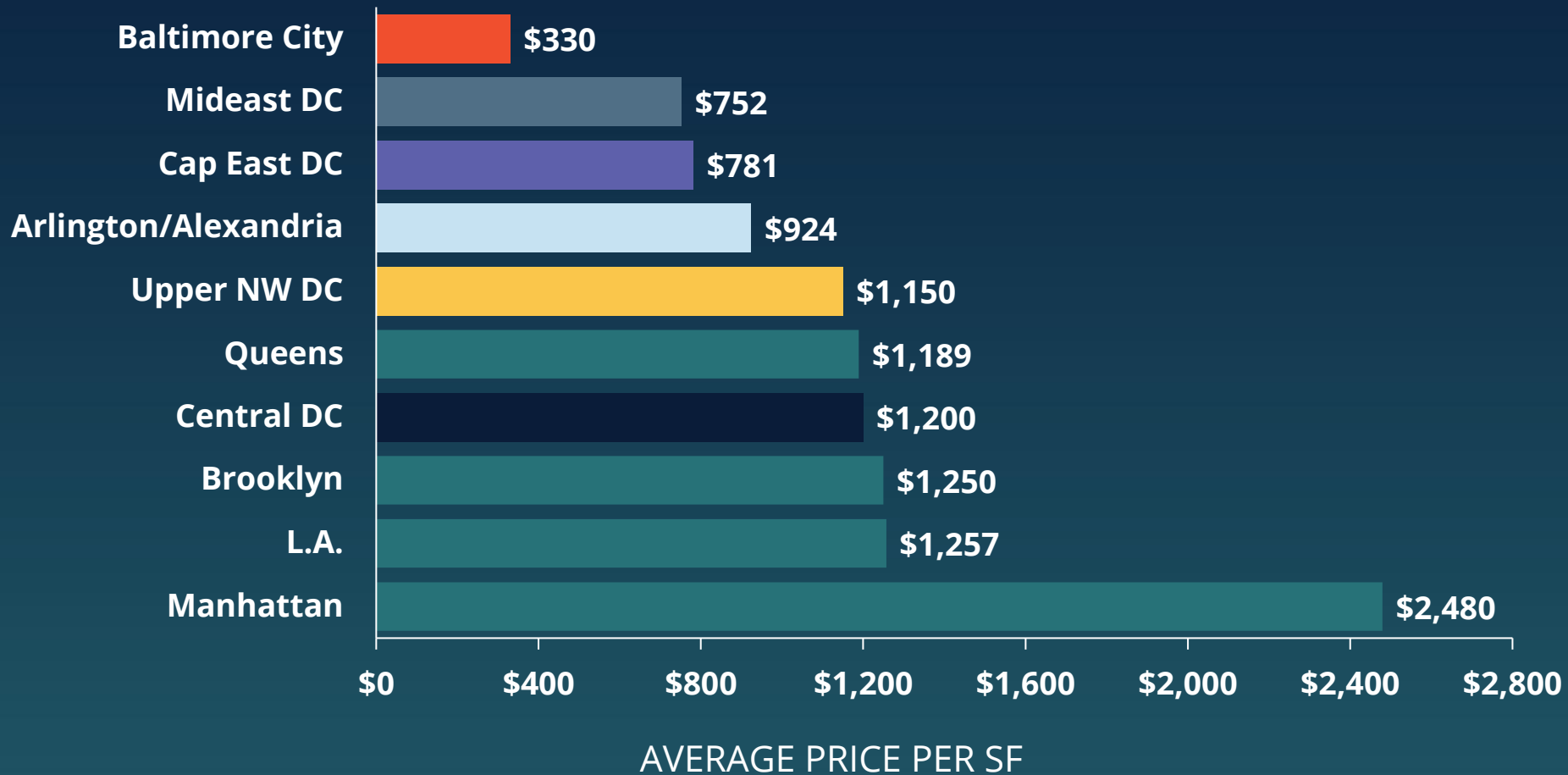
NEW CONDOMINIUM PRICES

Washington Metro Area | Third Quarter 2022*



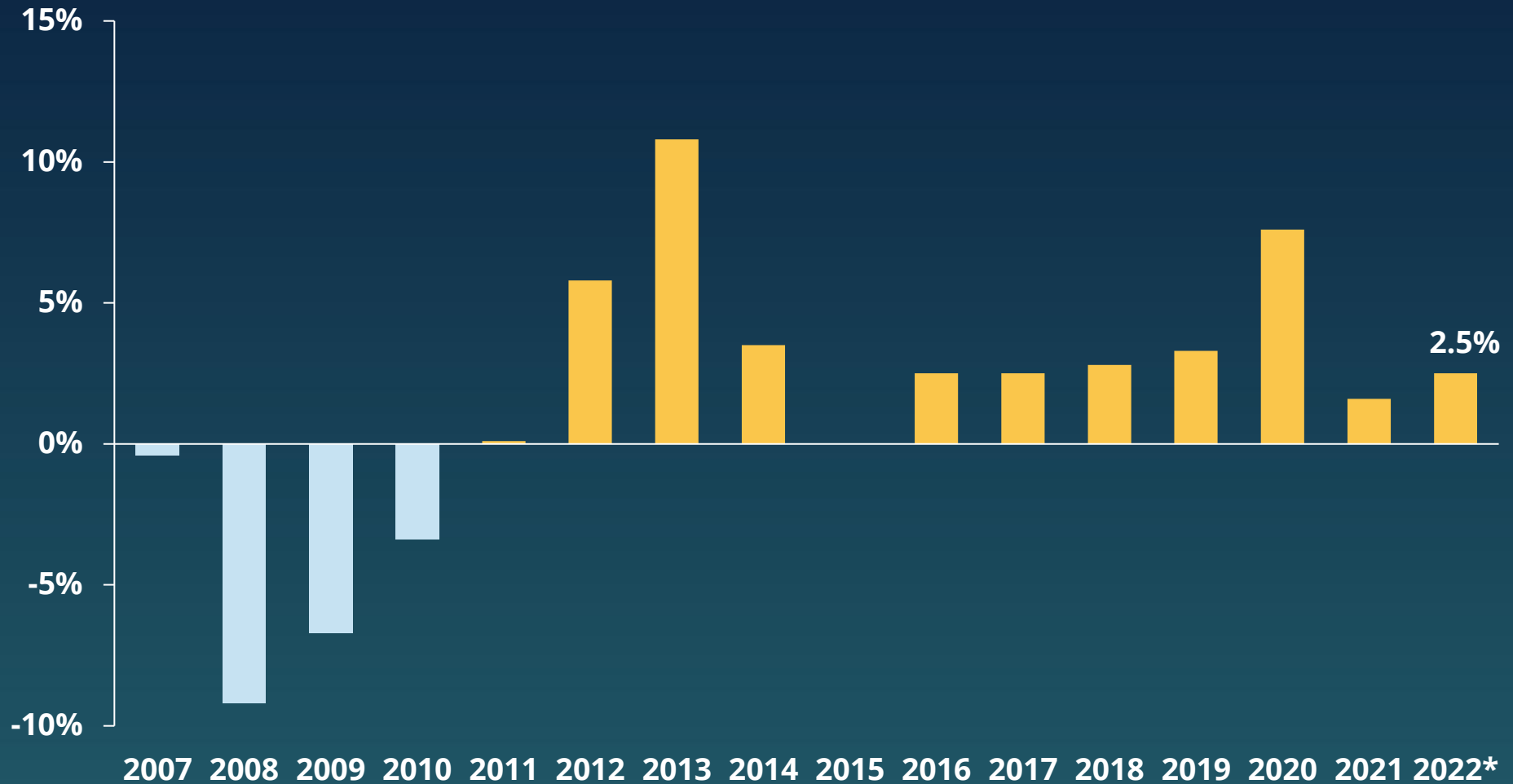
NEW CONDOMINIUM PRICES

Selected Cities in the U.S. | Third Quarter 2022*



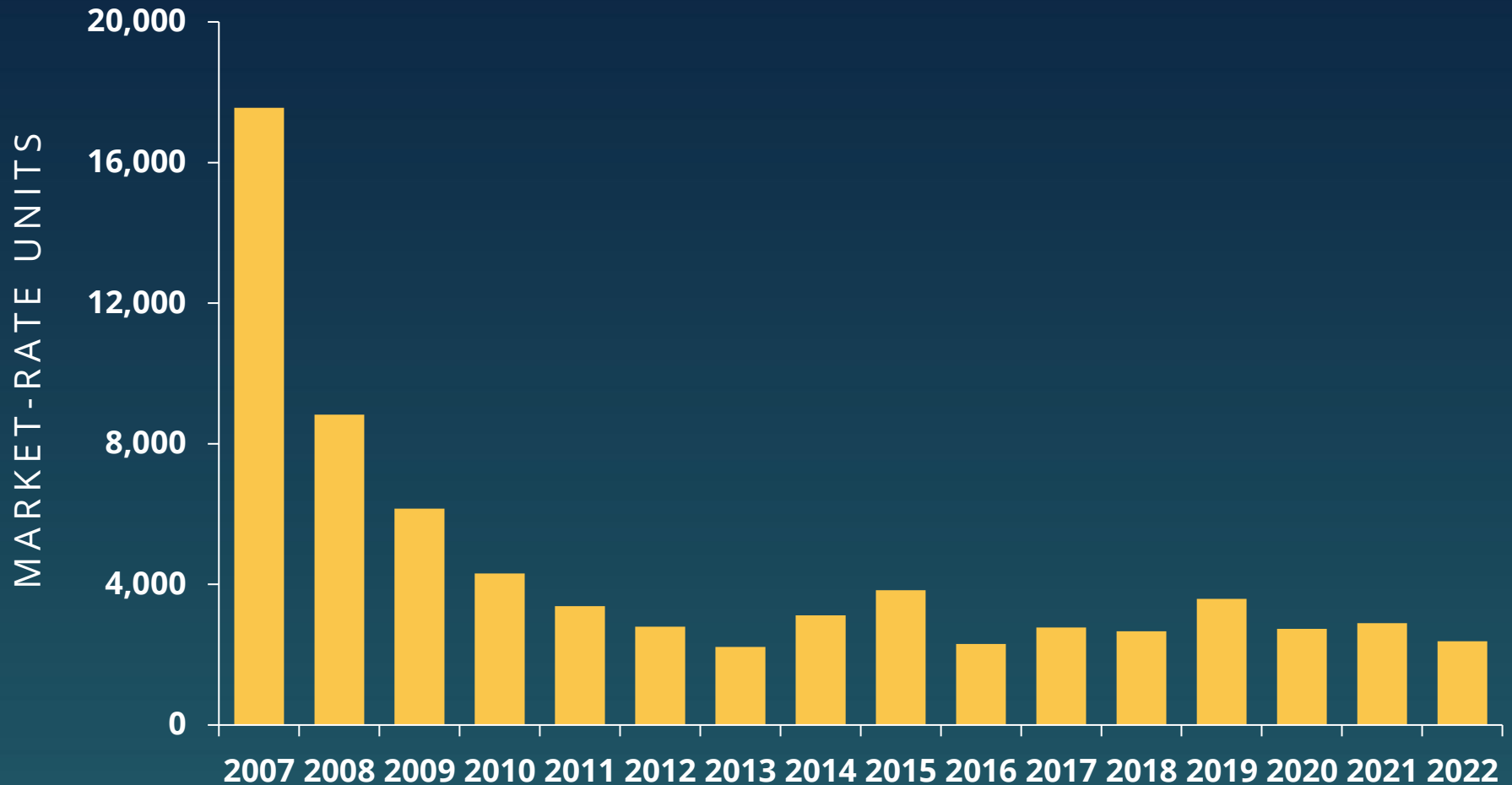
RESALE CONDOMINIUM SALES PRICE CHANGE

Washington Metro Area | 2007 - 2022



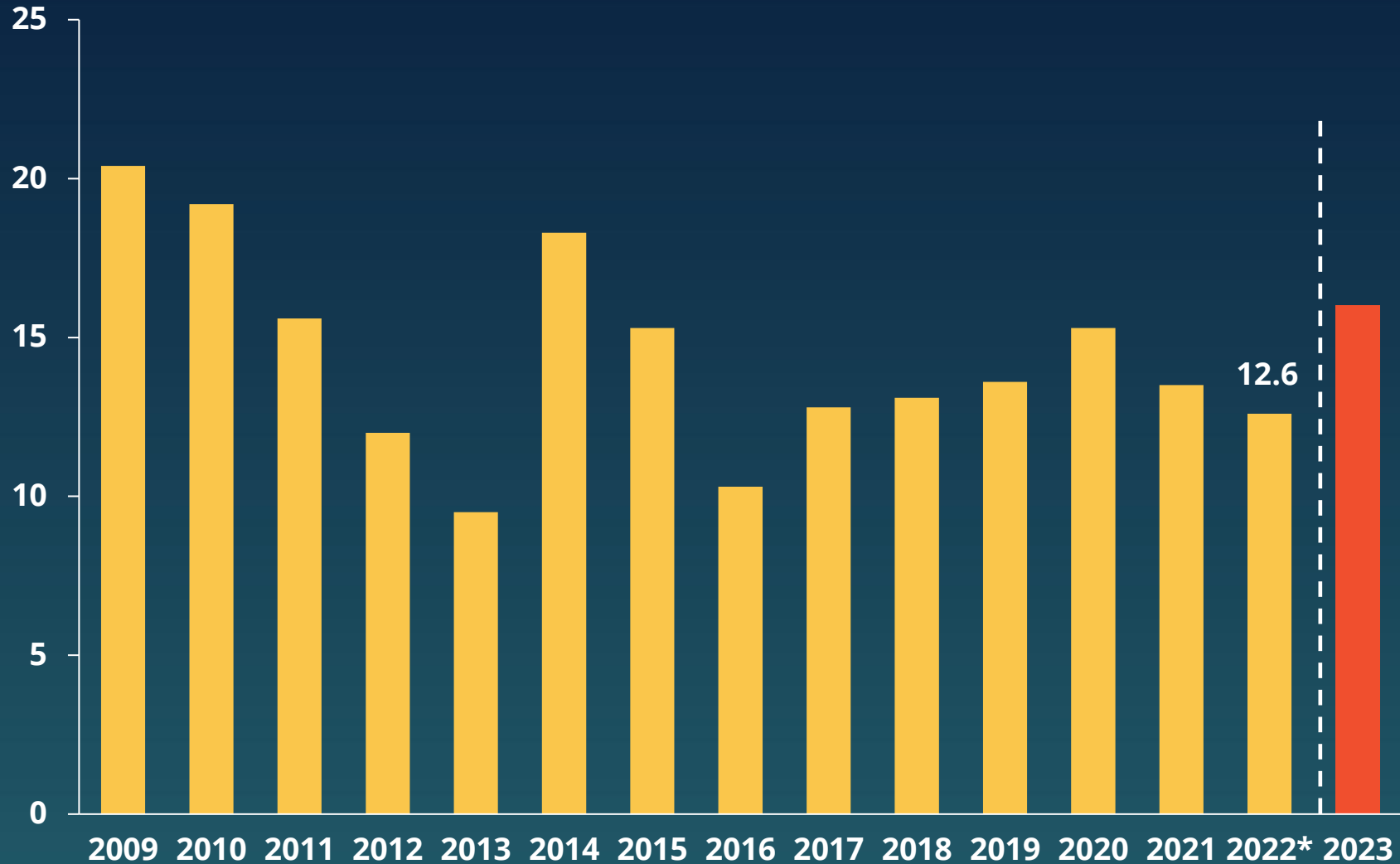
UNSOLD CONDO UNITS ACTIVELY MARKETING

Washington Metro Area | 2007 - 2022



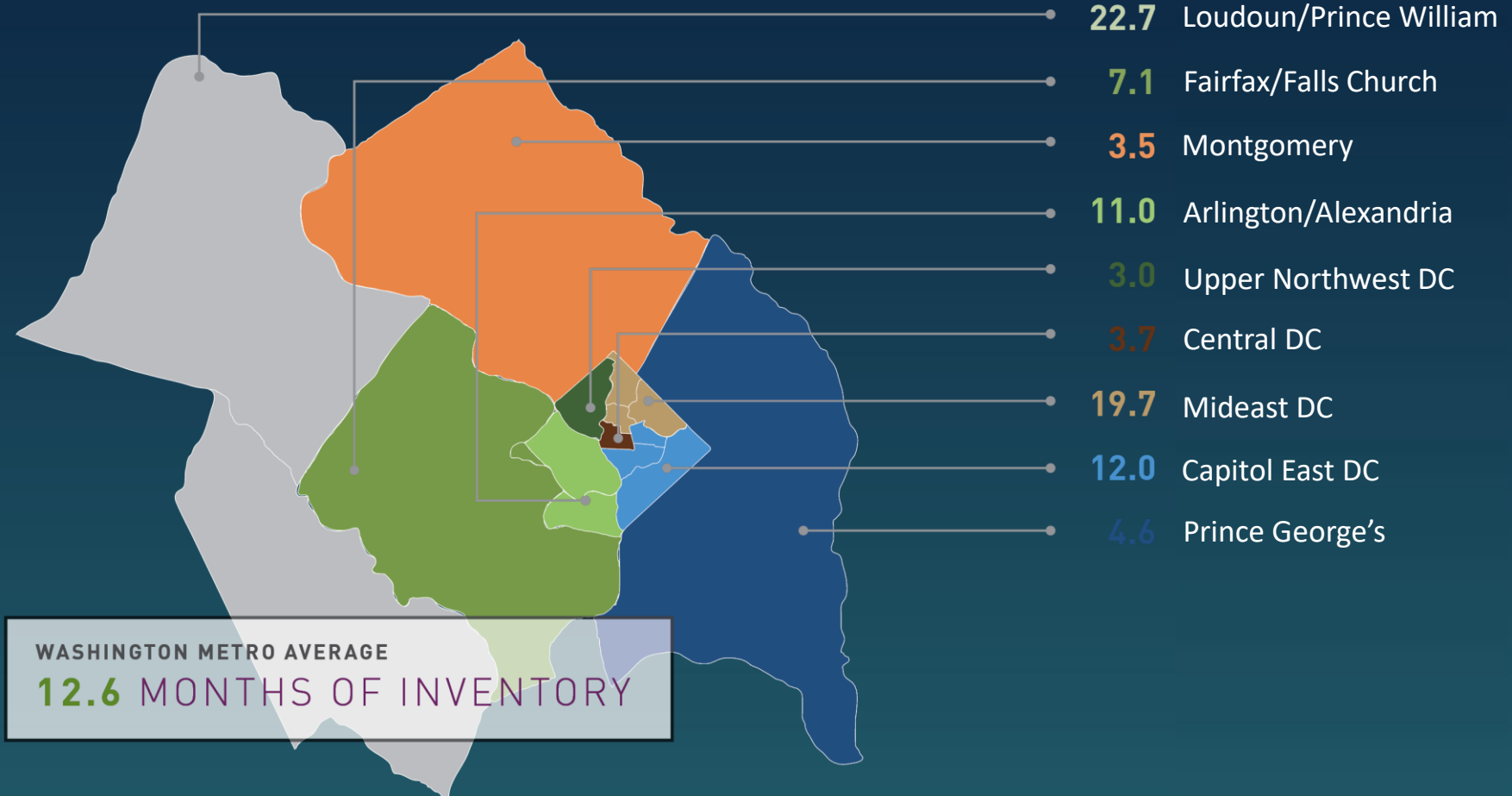
MONTHS OF NEW CONDOMINIUM SUPPLY

Washington Metro Area | 2009 - 2023



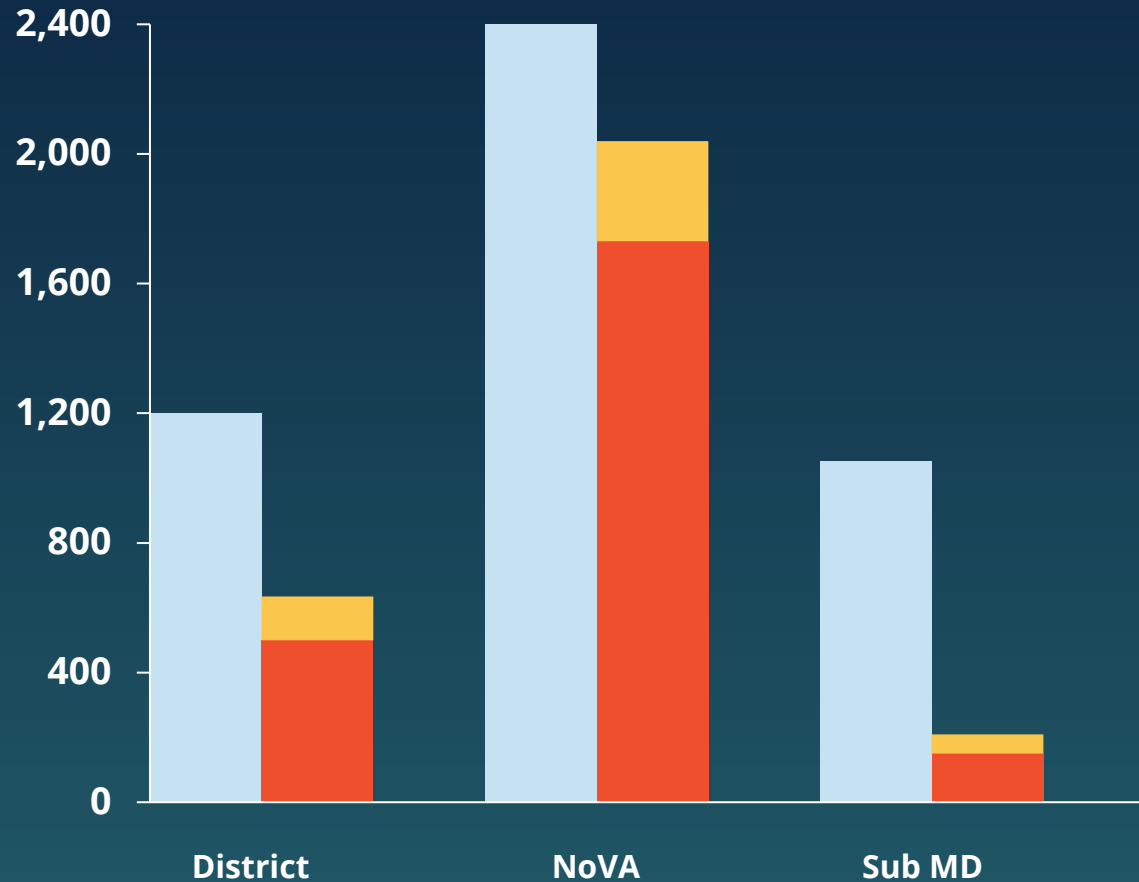
MONTHS OF NEW CONDOMINIUM SUPPLY BY MARKET

Washington Metro Area | Third Quarter 2022



DEMAND AND SUPPLY PROJECTIONS

Washington Metro Area Condominiums | 36 Months Ending September 2025



DEMAND

Net Sales:
1,550 Year = 4,650 units

SUPPLY ¹

Planned and May
Begin Marketing by
9/25: 503 units

Under Construction
and/or Marketing:
2,380 units ²

Total = 2,883 units

¹ Probable supply after projected
attrition.

² Includes unsold units at projects
selling.



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TRANSWESTERN

