





# Washington Area Economy and Housing Market: Performance and Outlook NVAR Economic Summit

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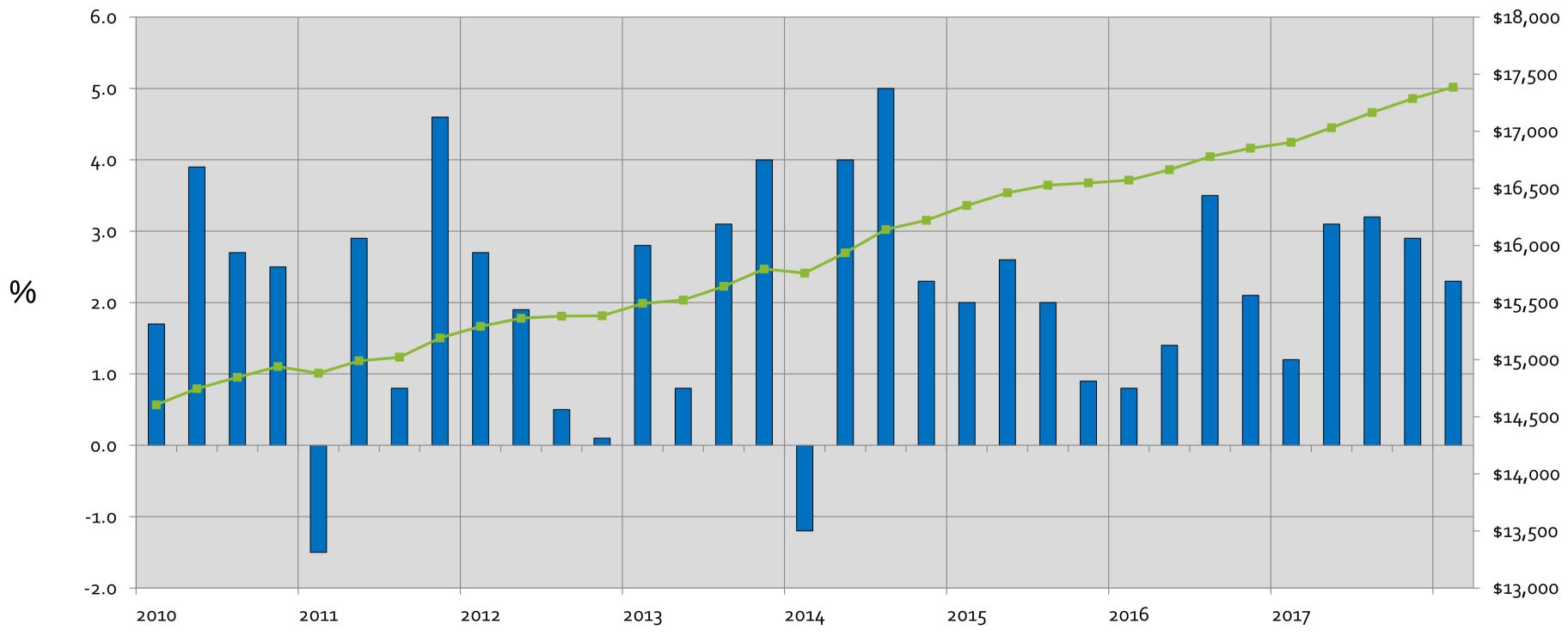
George Mason University



#### U.S. Gross Domestic Product

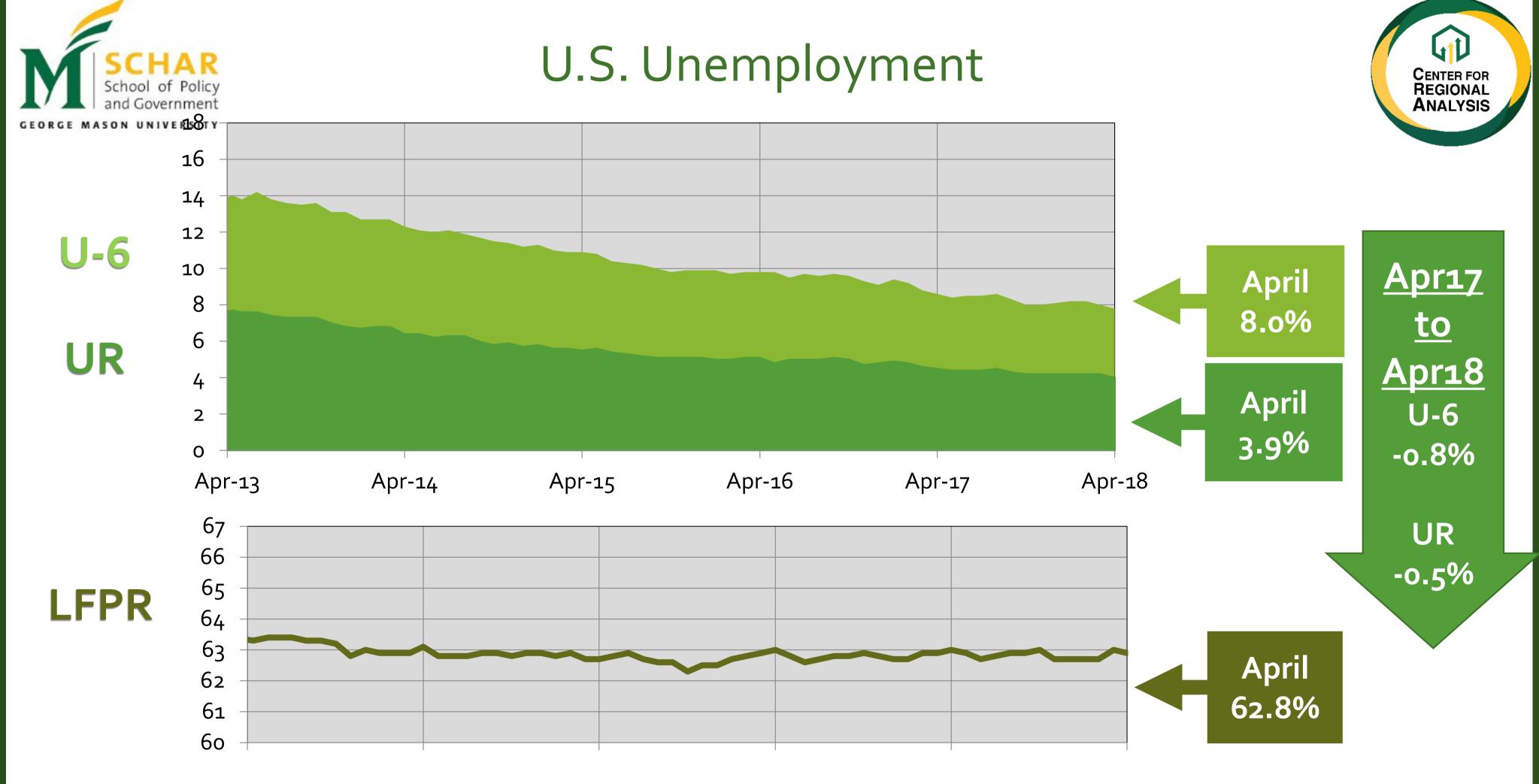


■ Quarterly Change — Real GDP (Billions)



2017 +2.3%

2018Q1 +2.3%



Source: Bureau of Labor Statistics (Seasonally Adjusted)

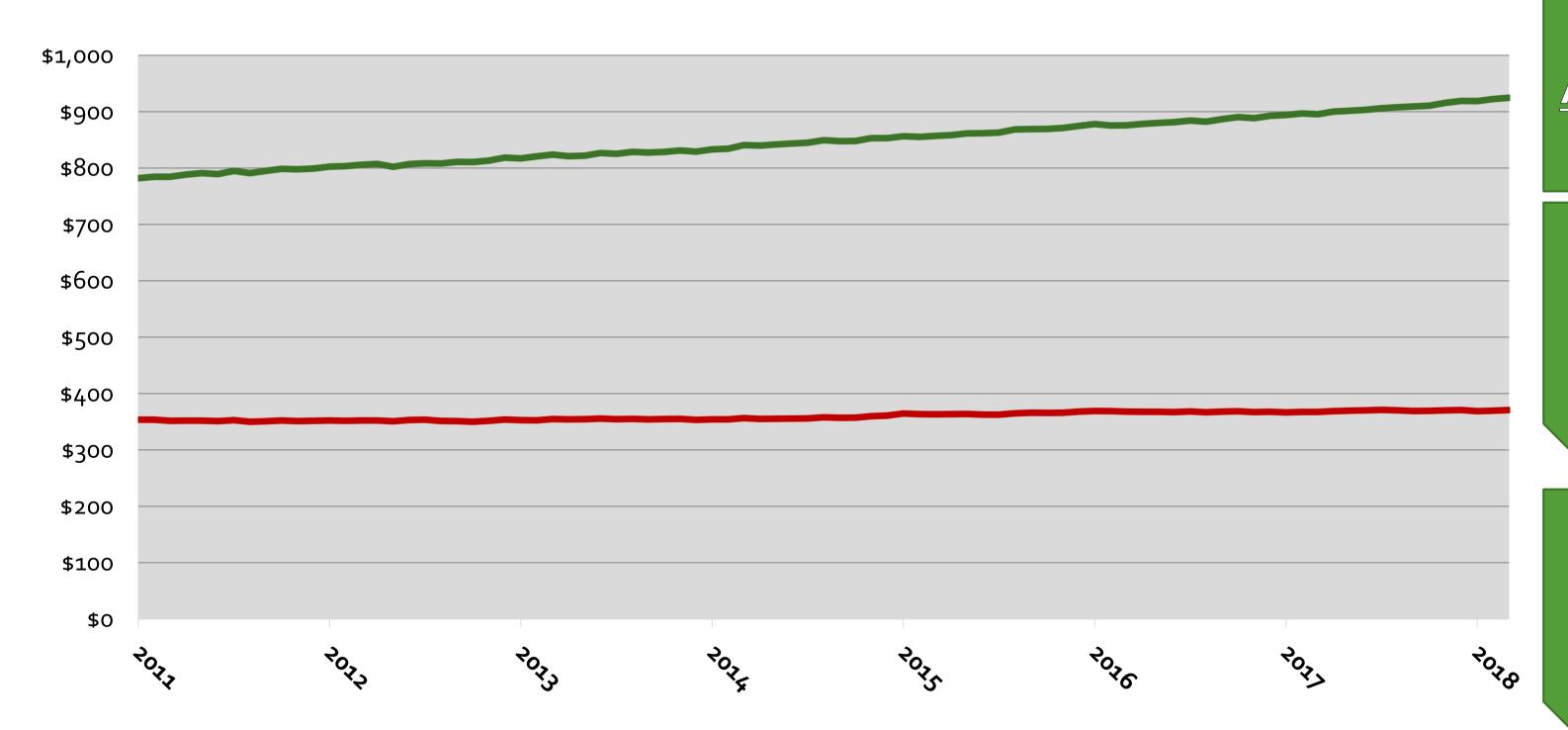


#### Average Weekly Earnings U.S., Total Private, Across all Industries





—Real Average Weekly Earnings (1982-1984 dollars)



Apr 17 – Apr 18 Avg Hourly Wages +2.2%

Apr 17 – Apr 18
Avg Weekly
Earnings +2.8%

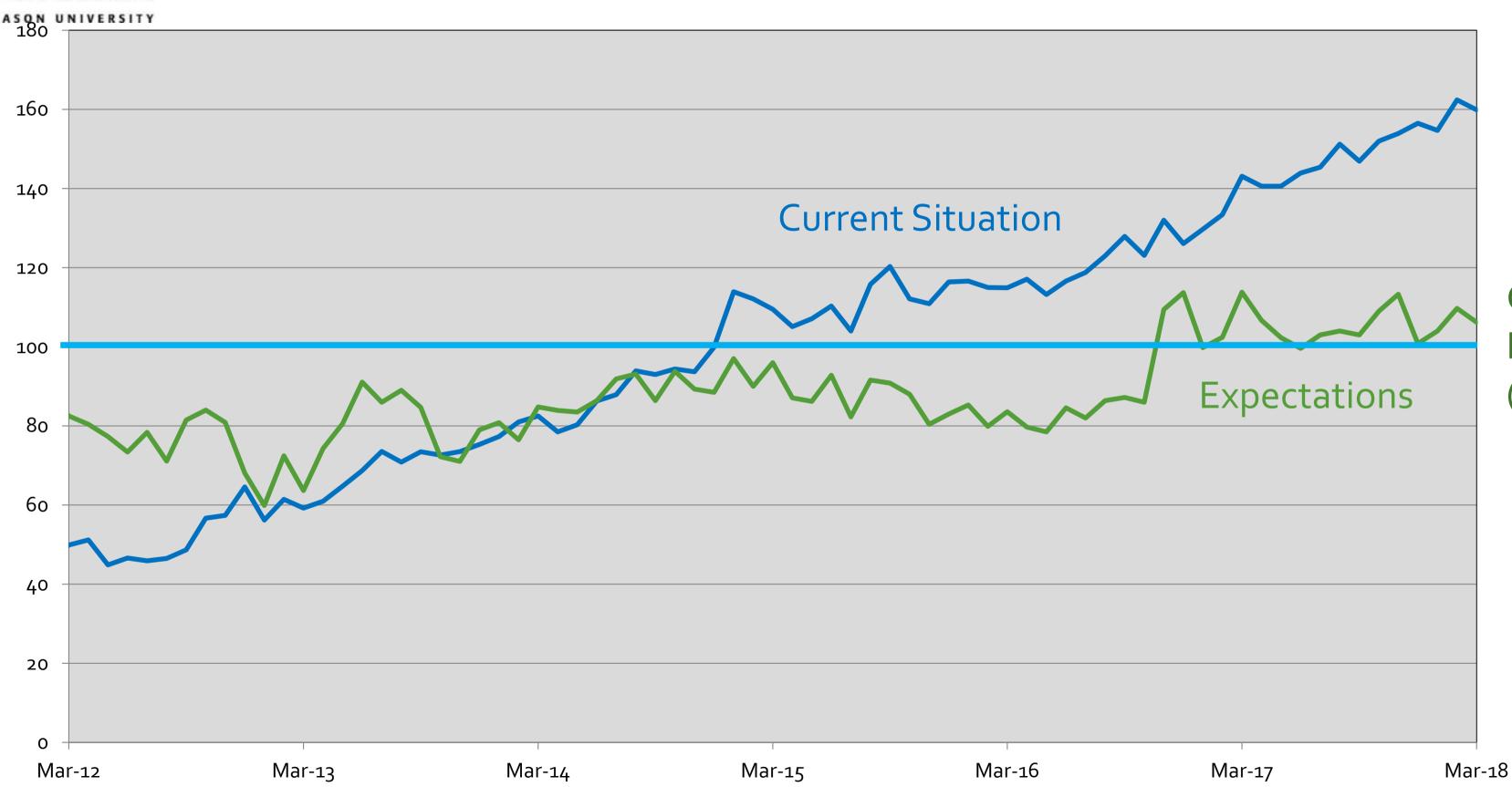
Apr 17 – Apr 18
Real Avg Weekly
Earnings +0.4%

Source: Bureau of Labor Statistics, GMU Center for Regional Analysis



#### Consumer Confidence





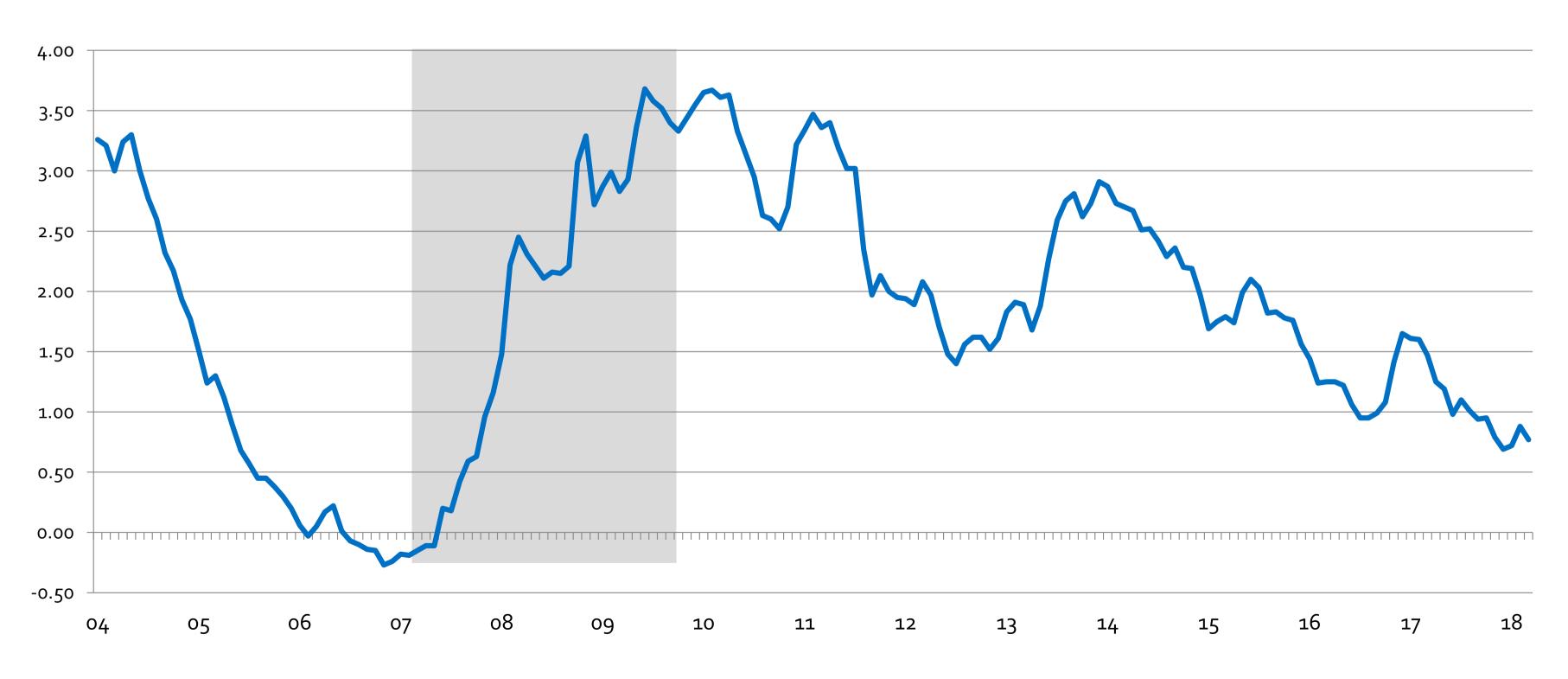
#### **March 2018**

Cur. = 159.9 Exp. = 106.2 (1985 = 100)





#### 10-yr./1-yr. yield spread



Source: U.S. Treasury, Yield Curve for Treasury Nominal Coupon Issues (TNC yield curve), which is derived from Treasury nominal notes and bonds





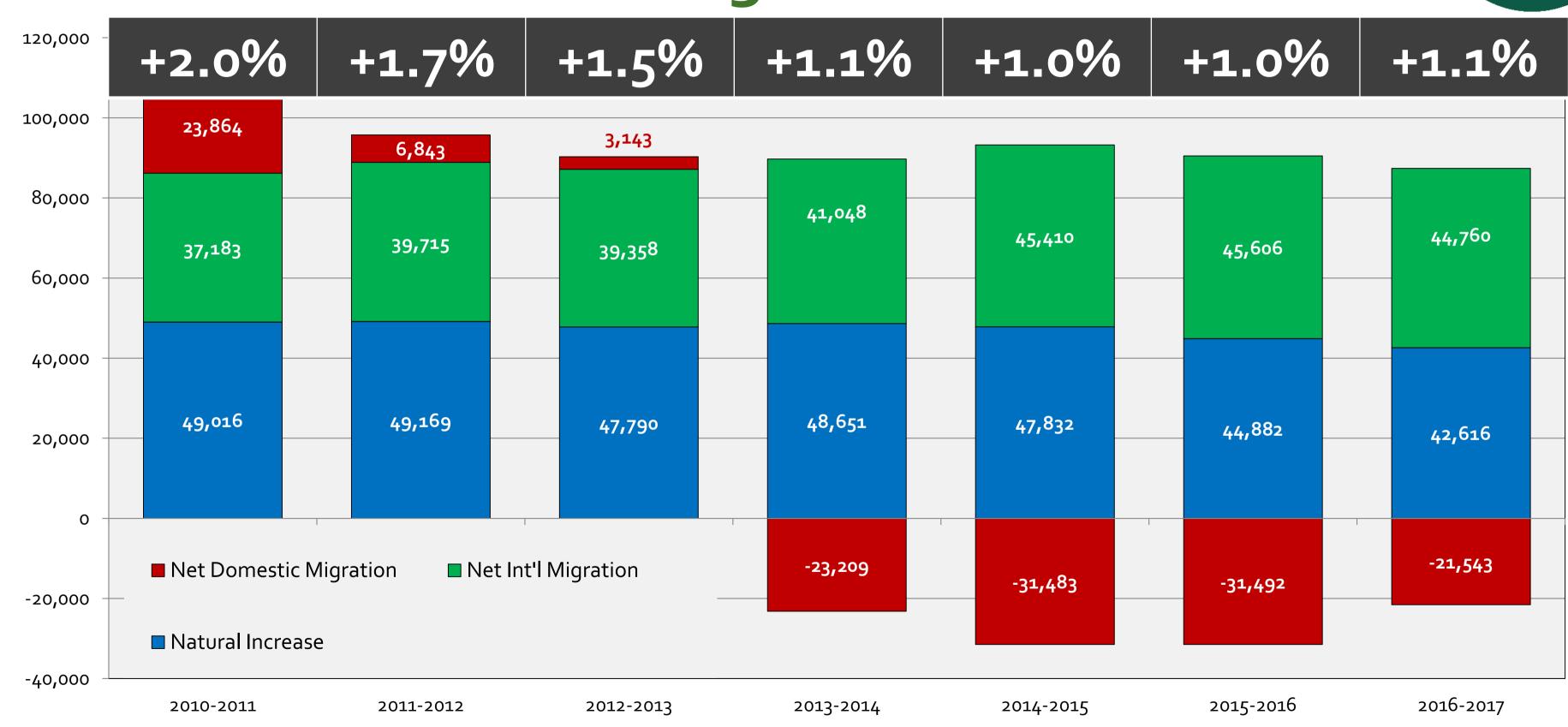
#### The Washington Economy



Population Change

# Elements of Population Change Washington MSA

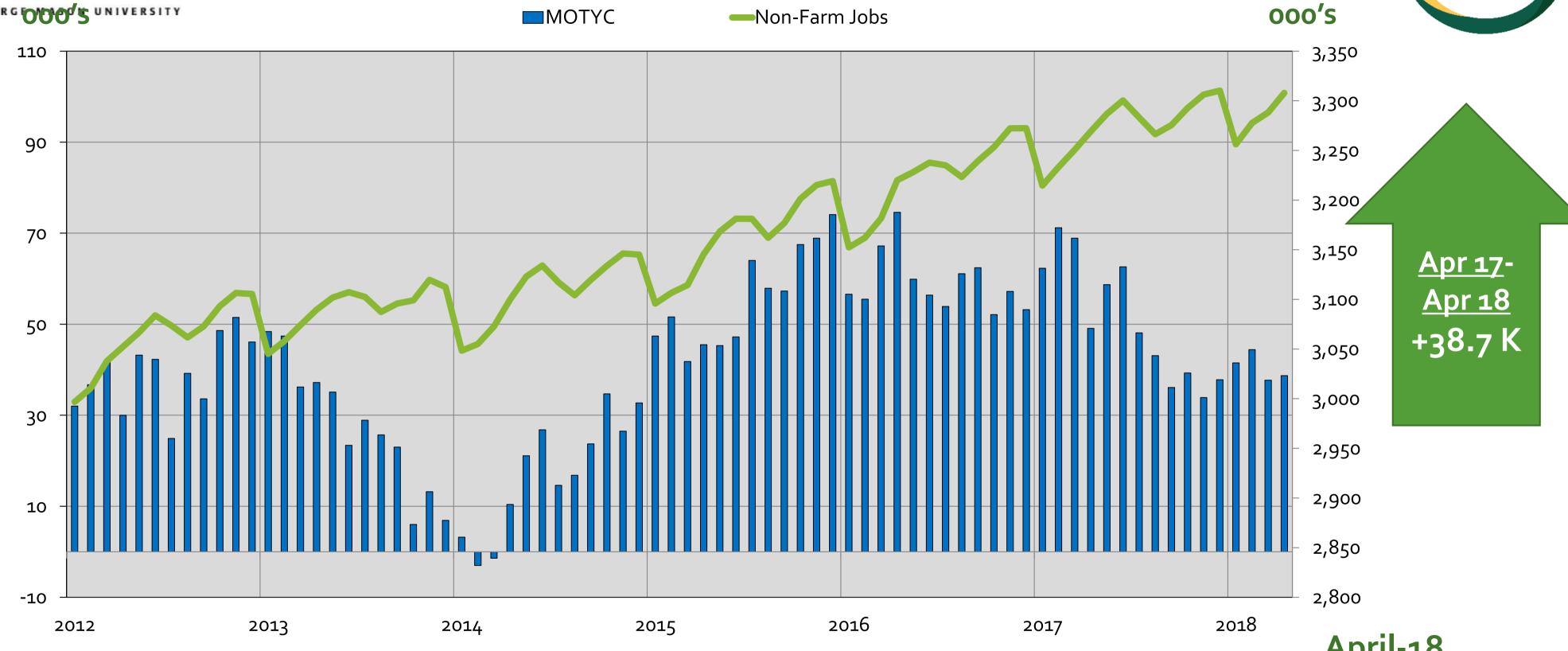






#### **Annual Job Change - Washington MSA**





April-18
Total: 3,308 K

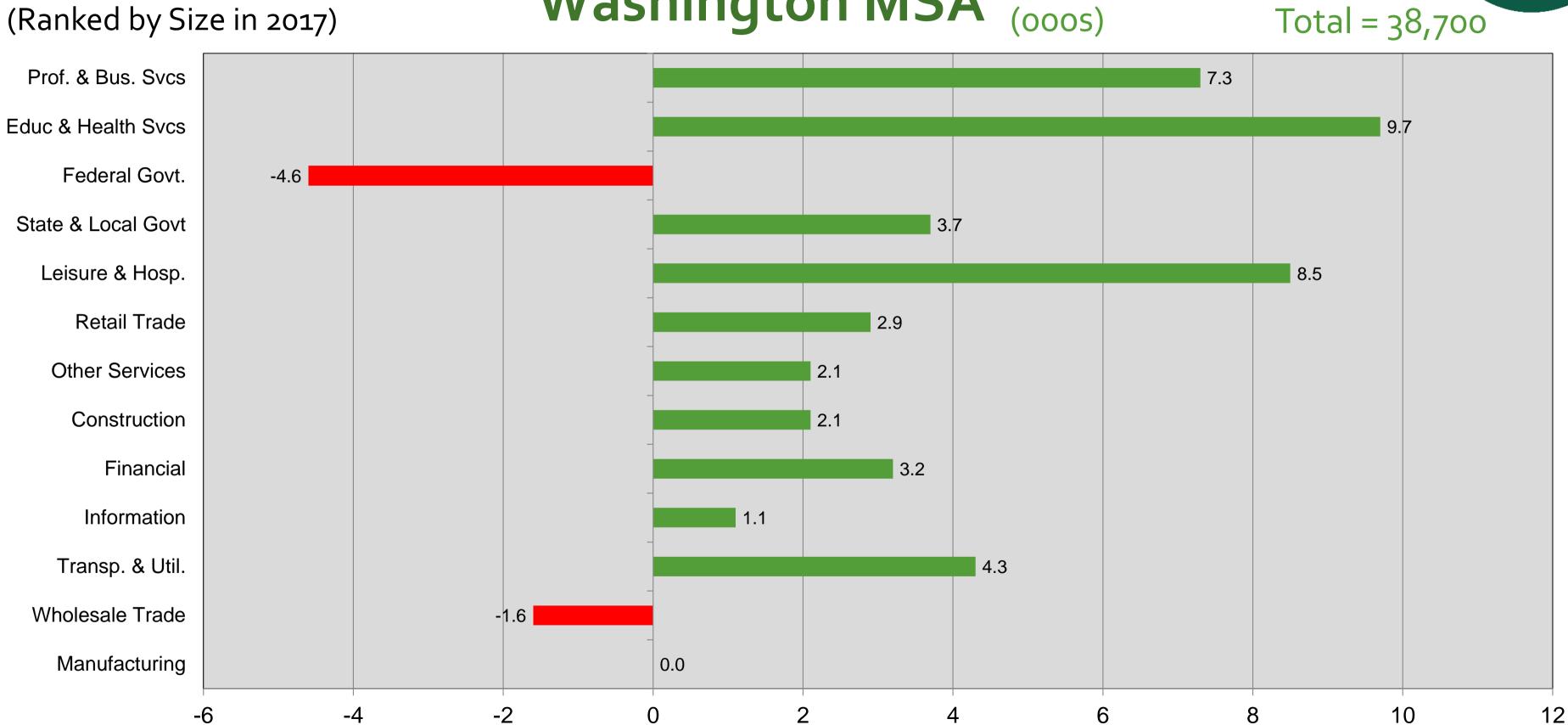
Source: Bureau of Labor Statistics (Not Seasonally Adjusted), GMU Center for Regional Analysis



#### Job Change by Sector April 2017 – April 2018 Washington MSA (000s)



(Ranked by Size in 2017)

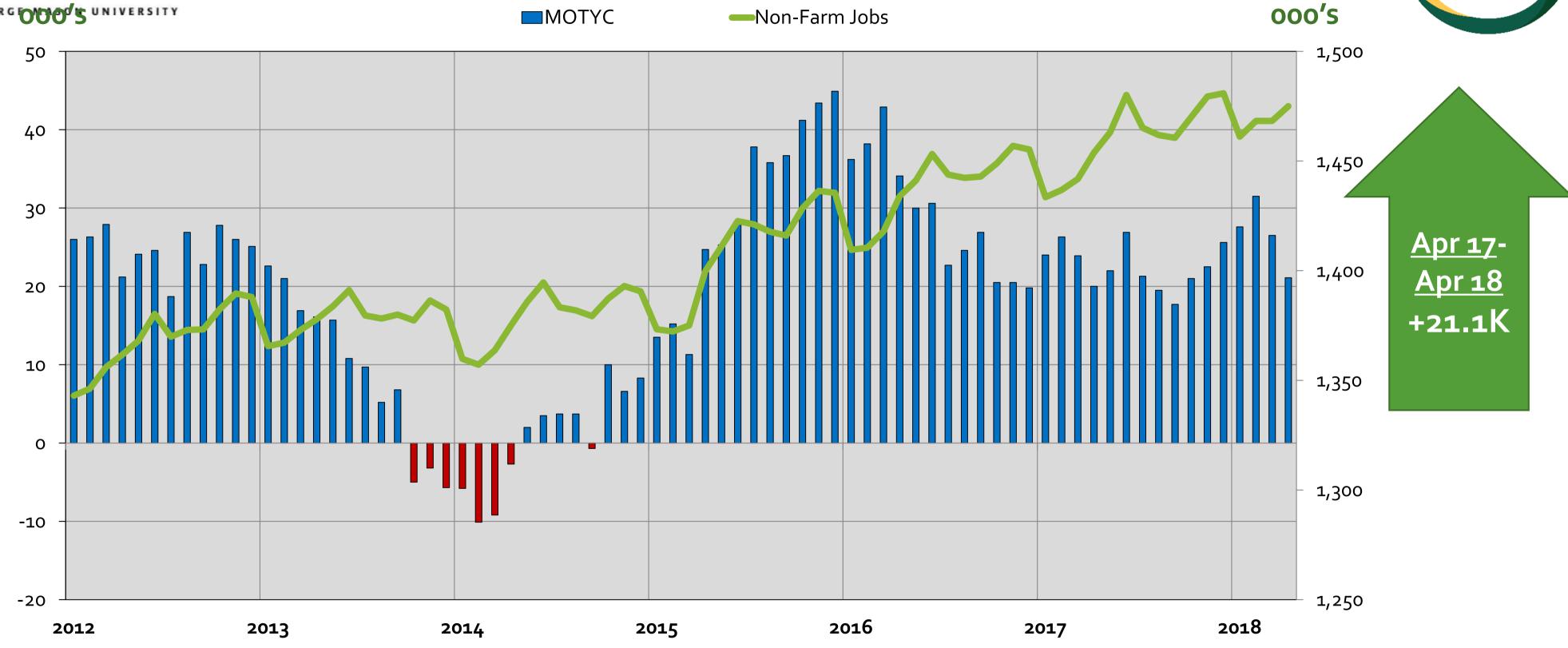


Source: Bureau of Labor Statistics (Not Seasonally Adjusted), GMU Center for Regional Analysis



#### Annual Job Change – Northern VA





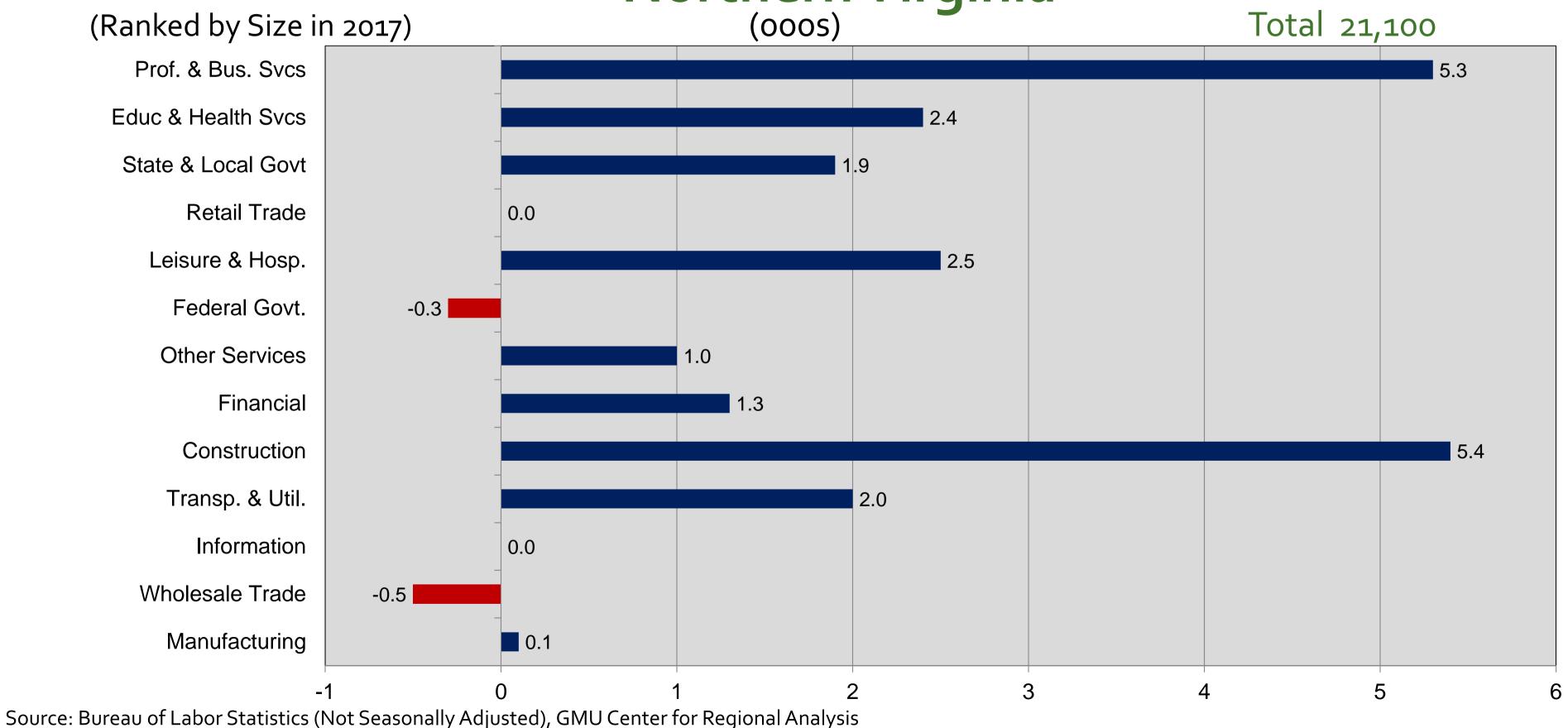
April-18 Total: 1,475 K

Source: Bureau of Labor Statistics (Not Seasonally Adjusted), GMU Center for Regional Analysis



#### Job Change by Sector Apr 2017 – Apr 2018 Northern Virginia (000s)

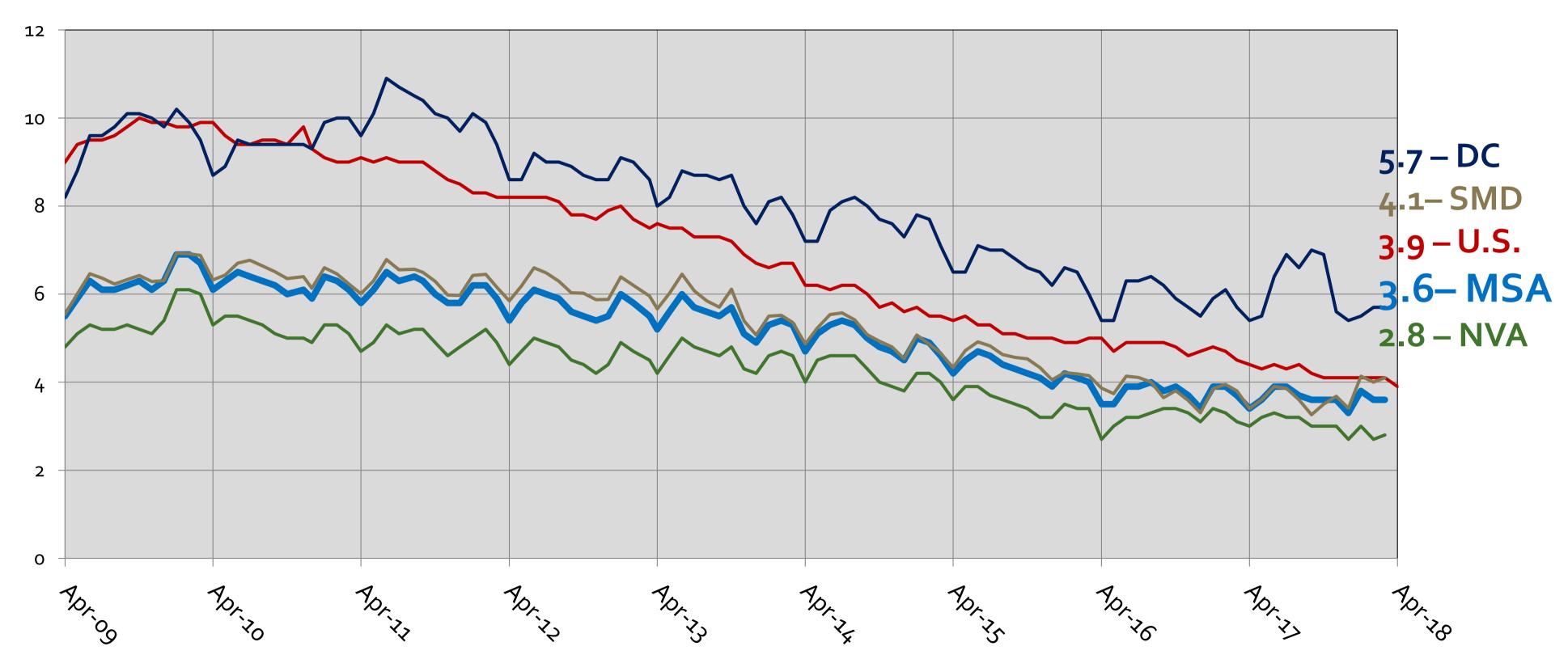






#### Unemployment Rates in the WMSA By Sub-State Area





Source: Bureau of Labor Statistics (Region - Not Seasonally Adjusted, US – Seasonally Adjusted)





# Washington Area and NVAR Region Housing Trends



### Home Sale Price Washington MSA

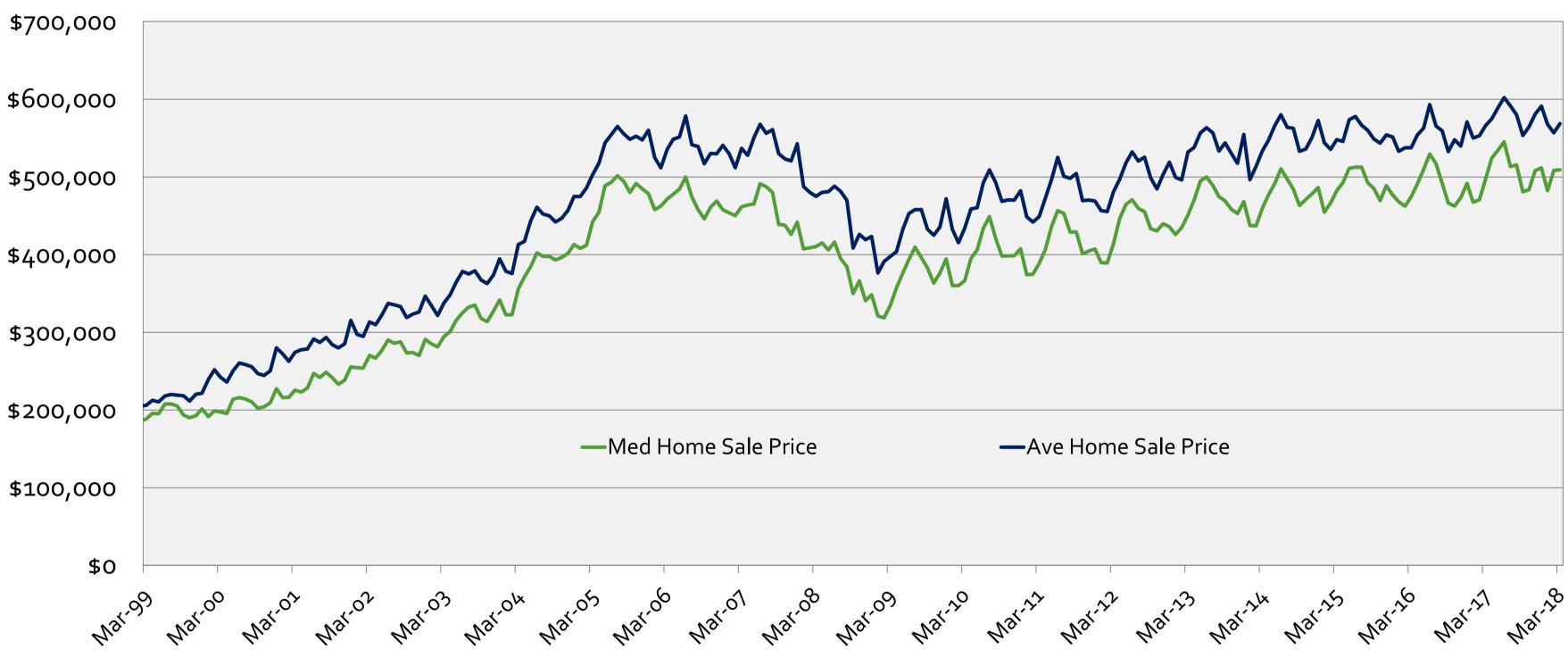






# Home Sale Price NVAR Region

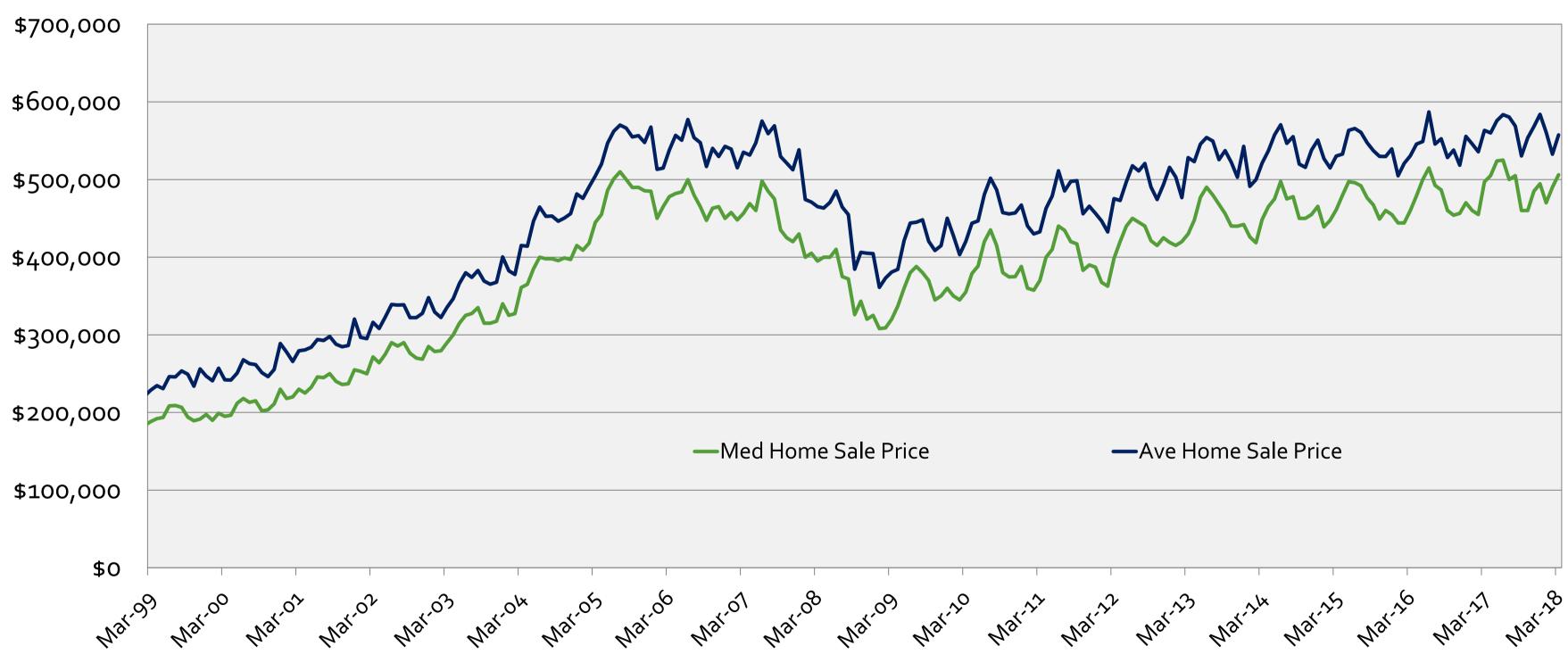






### Home Sale Price Fairfax County

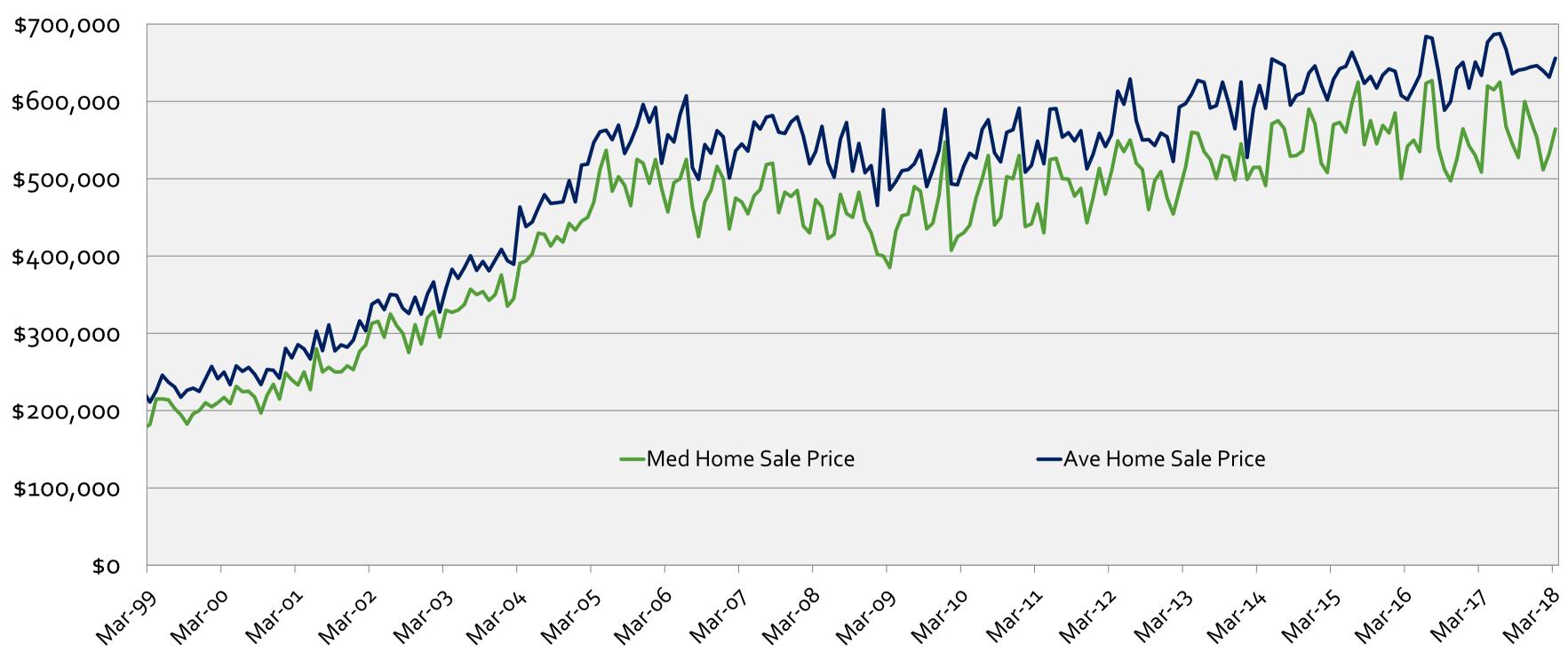






### Home Sale Price Arlington

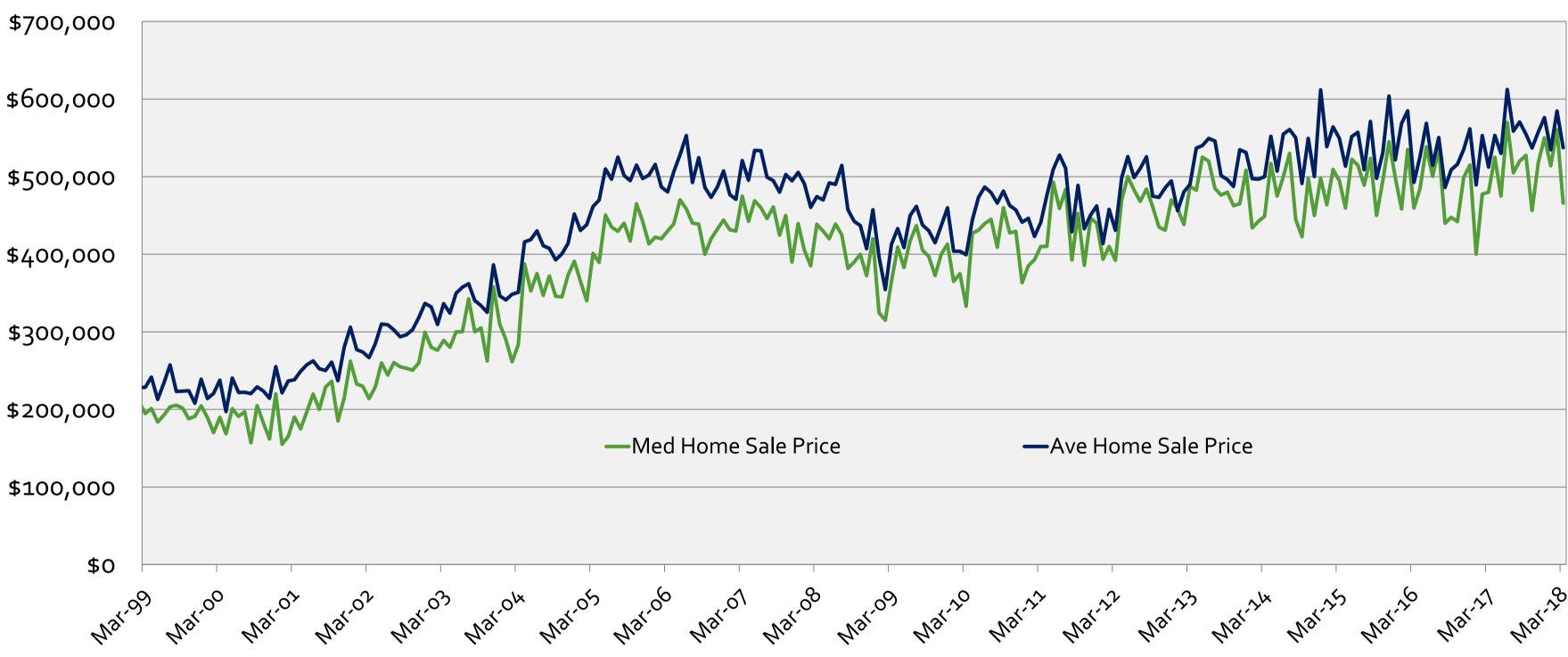






### Home Sale Price Alexandria

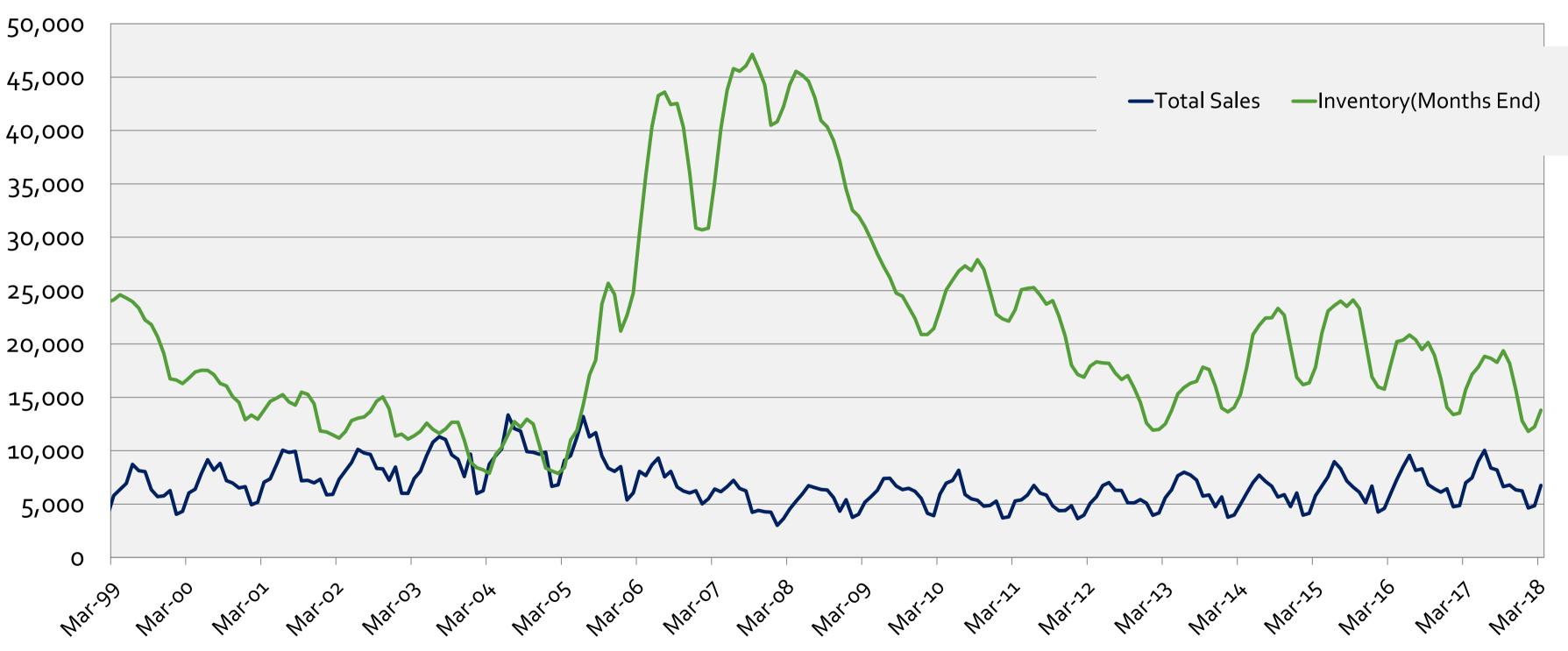






### Closed Sales and Inventory Washington MSA

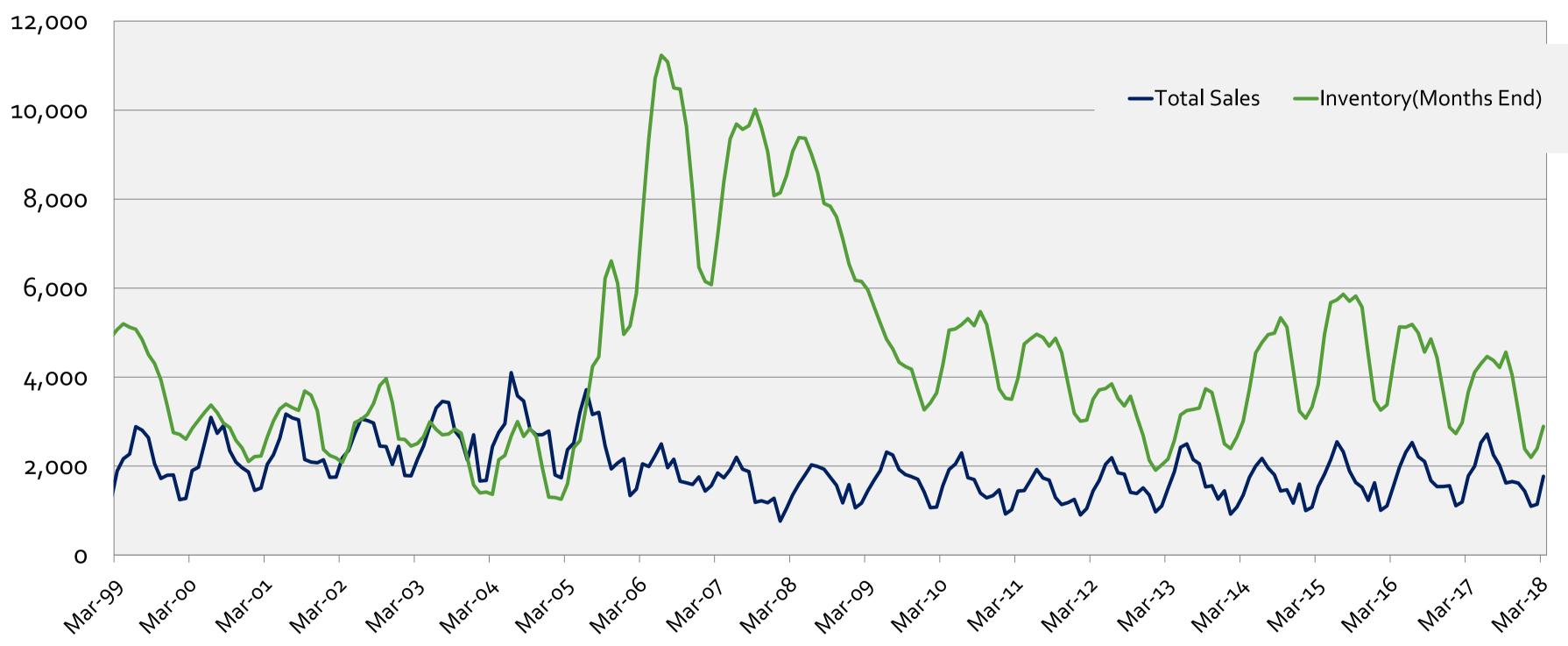






# Closed Sales and Inventory NVAR Region

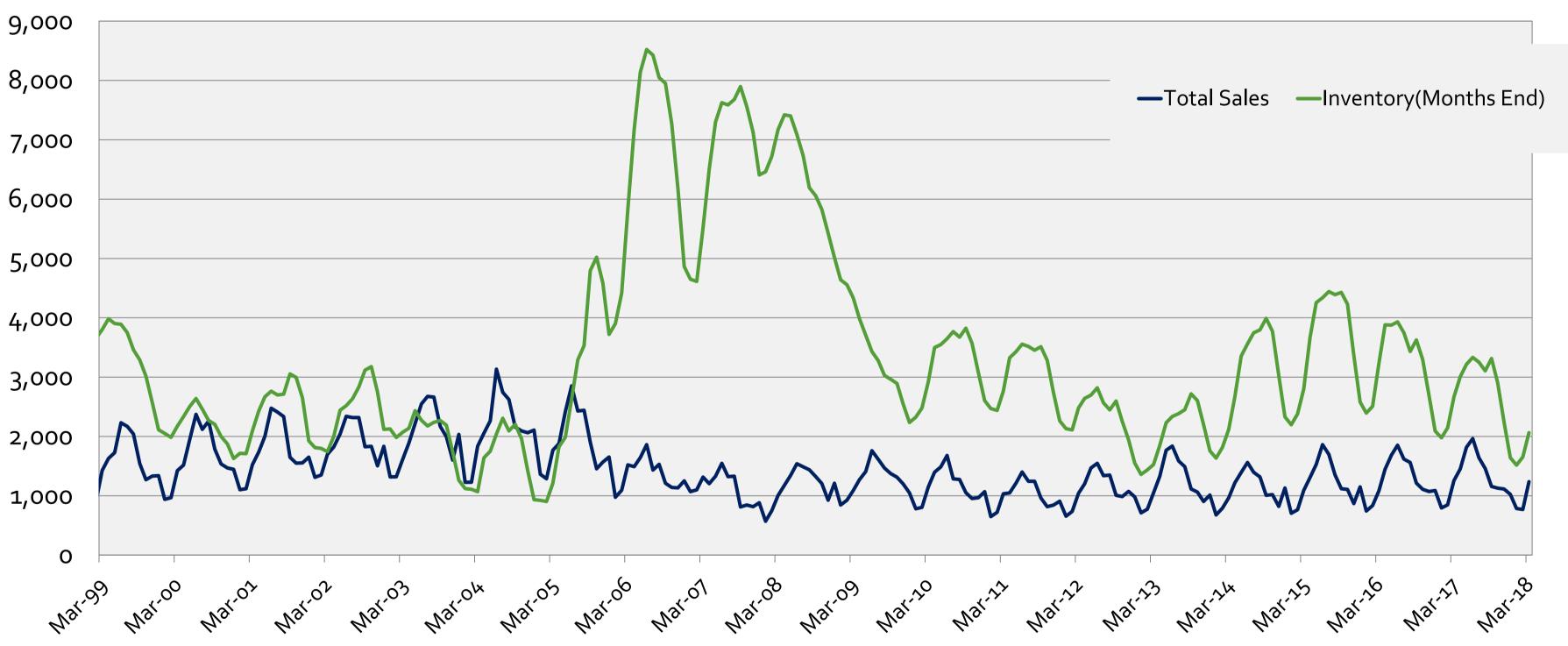






# Closed Sales and Inventory Fairfax County

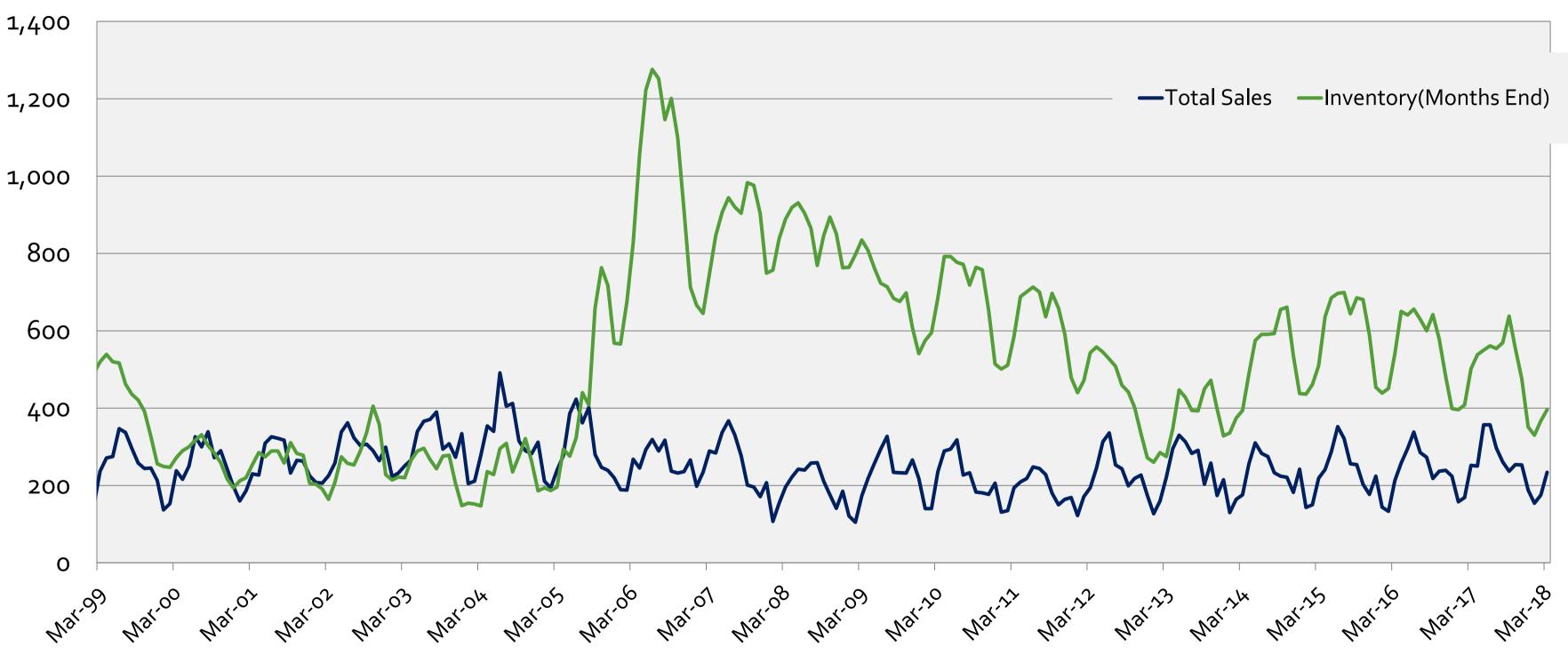






# Closed Sales and Inventory Arlington

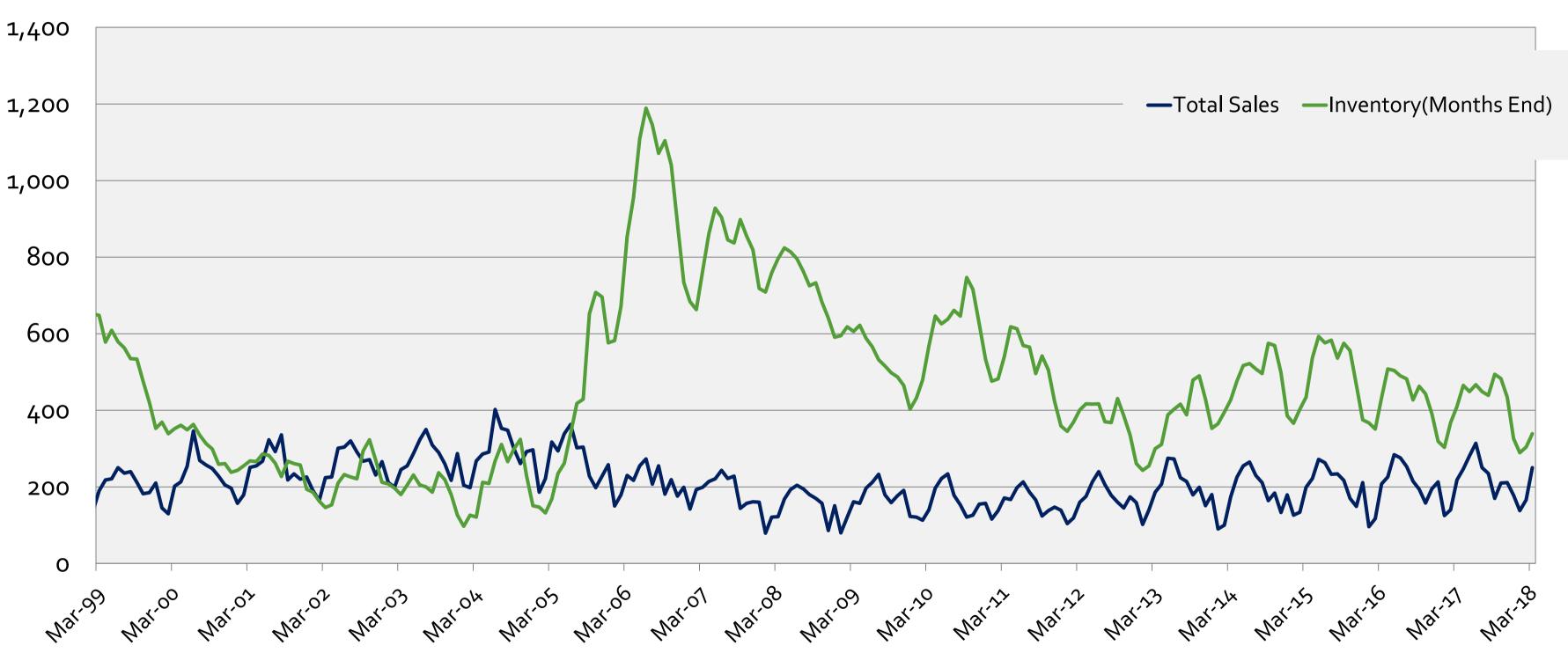






### Closed Sales and Inventory Alexandria









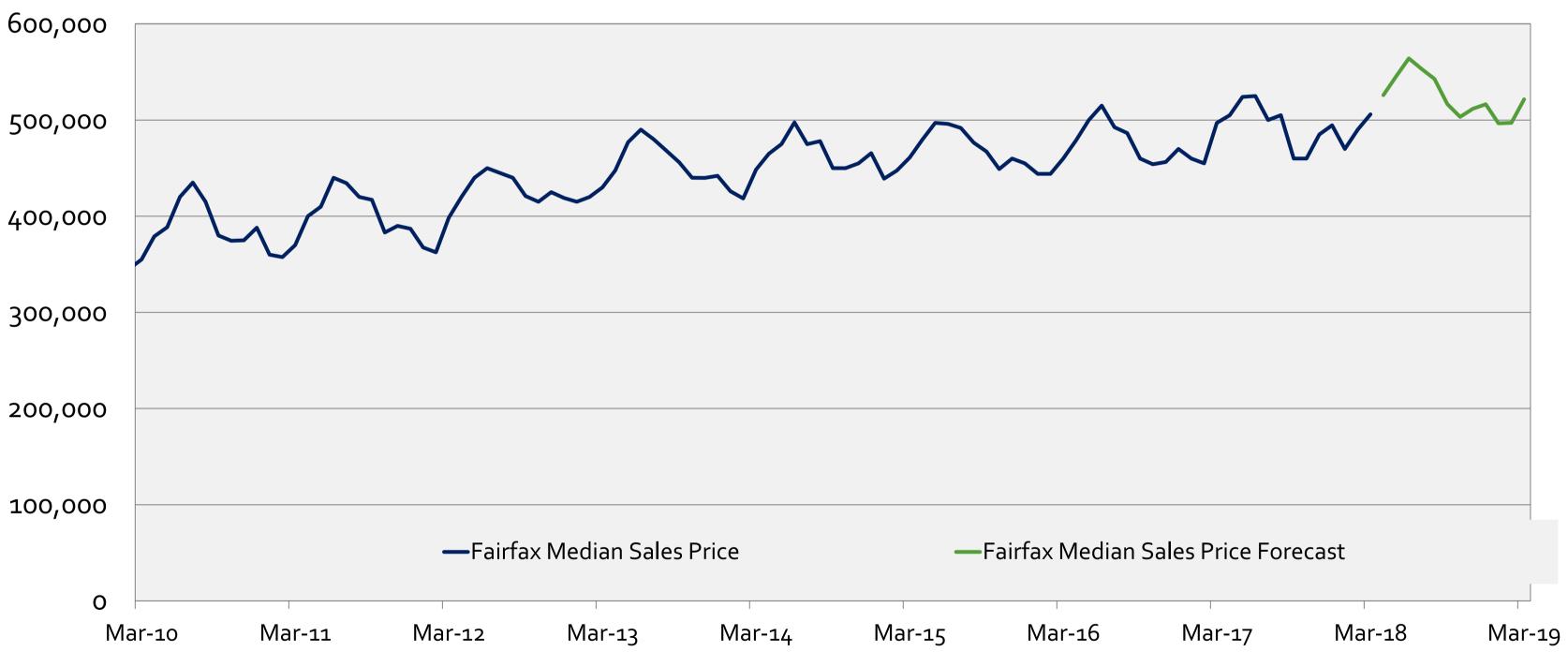
#### **NVAR Region Forecasts**



#### Median Sales Price Forecast



#### Fairfax

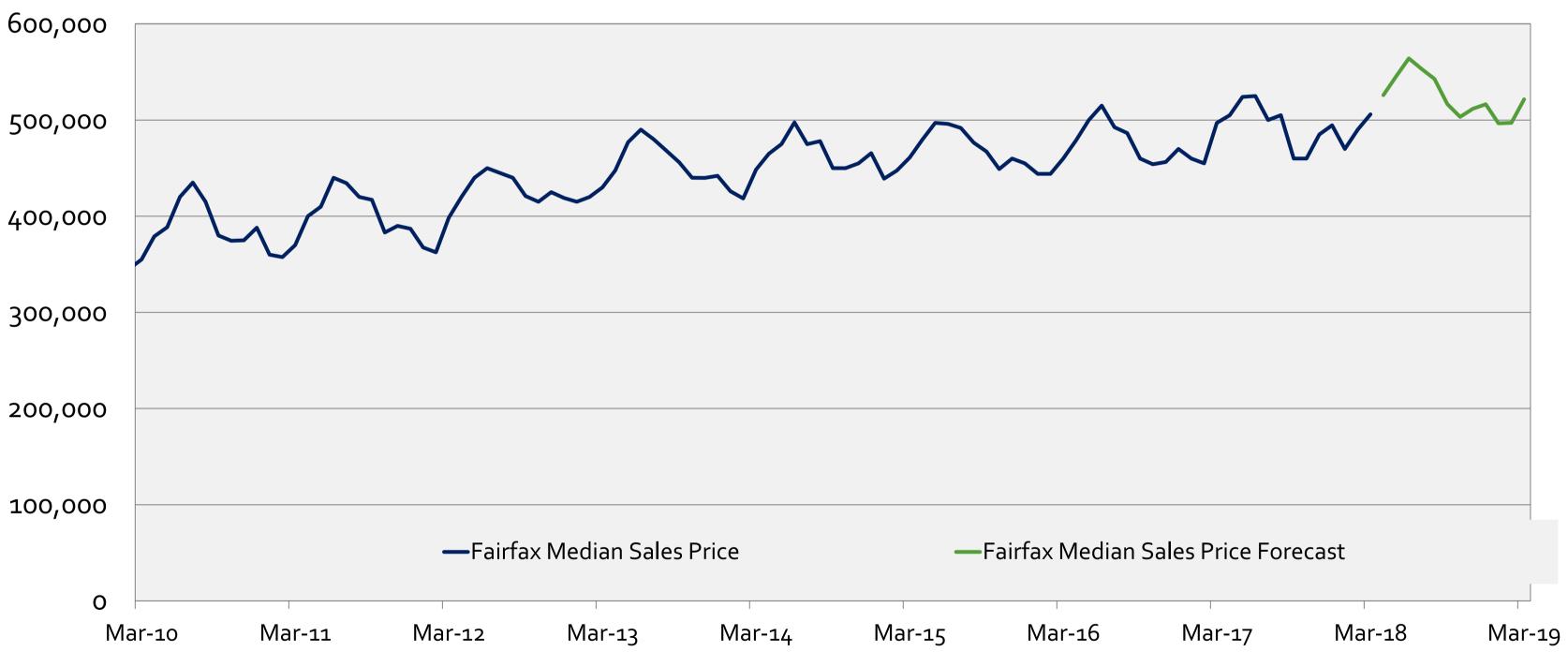




#### Median Sales Price Forecast



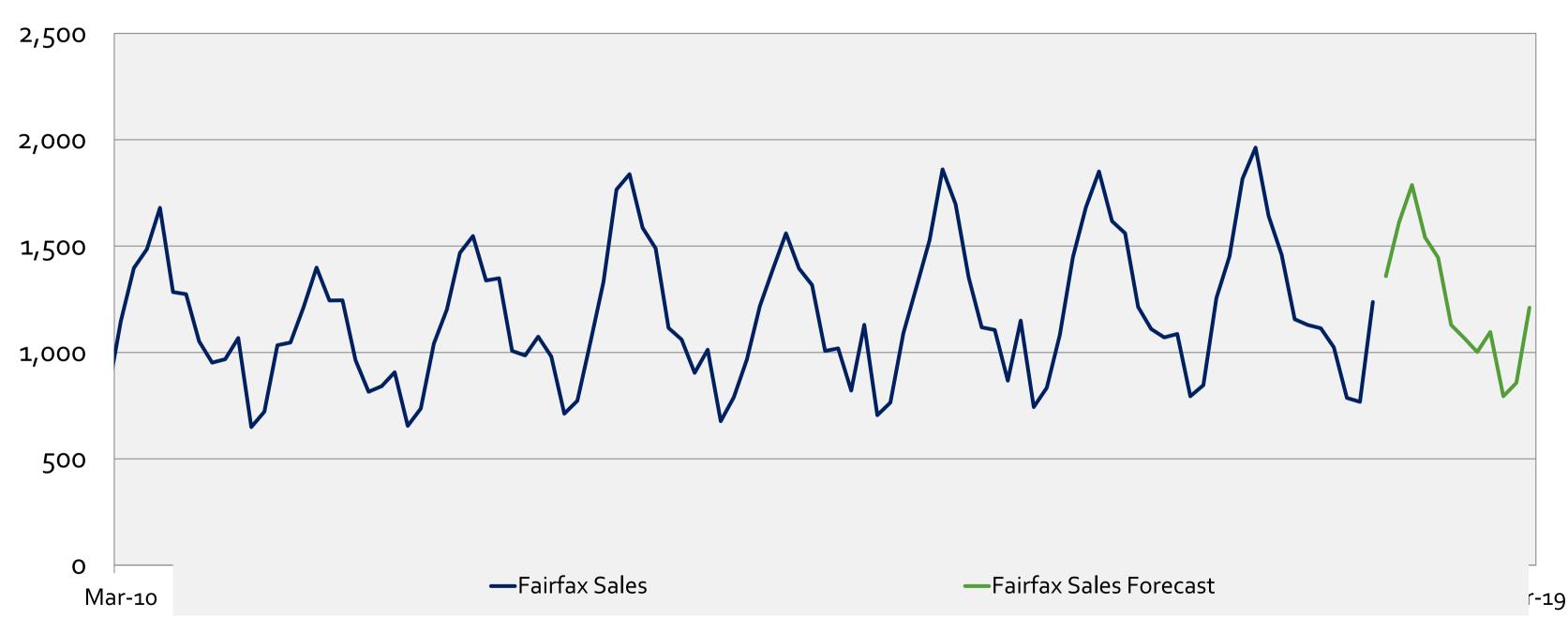
#### Fairfax





### Sales Forecast (units) Fairfax



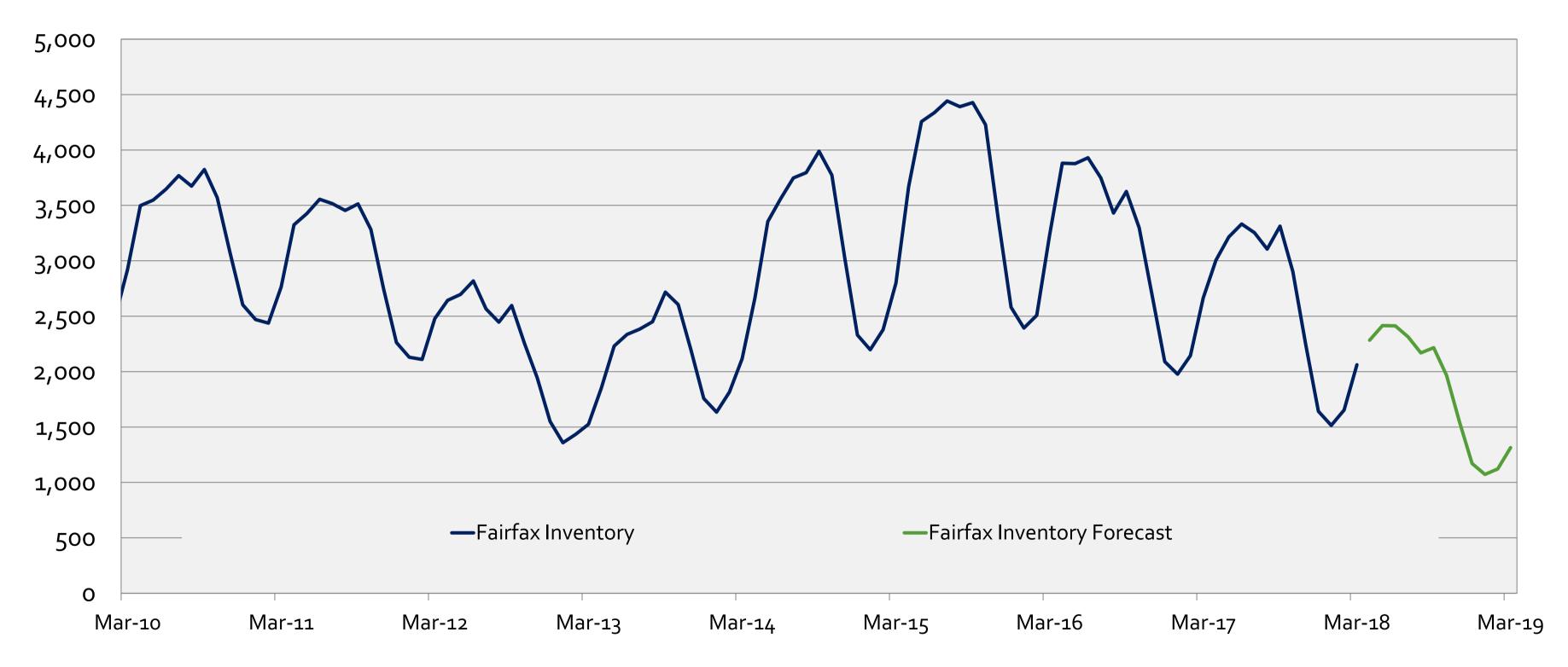




#### Inventory Forecast (months end)



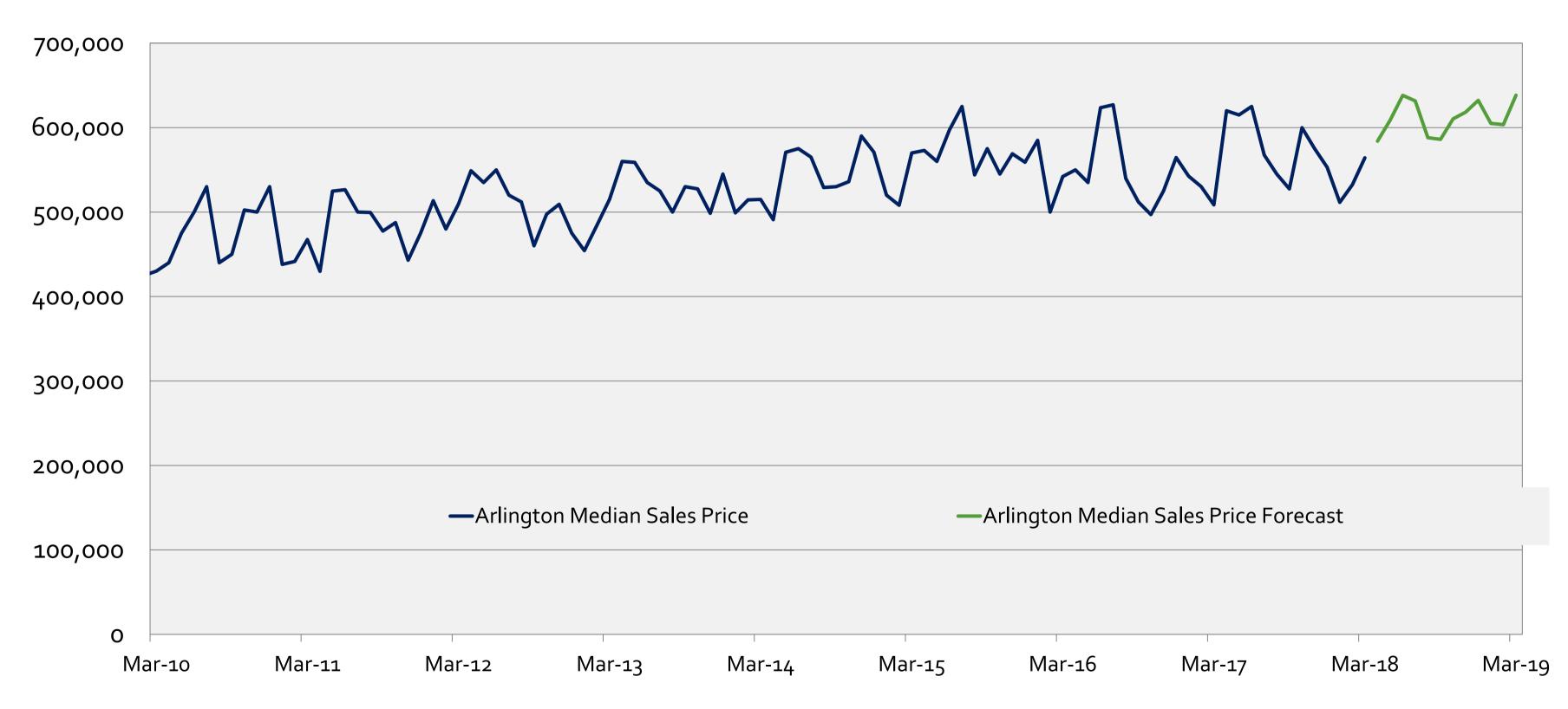






### Median Sales Price Forecast Arlington

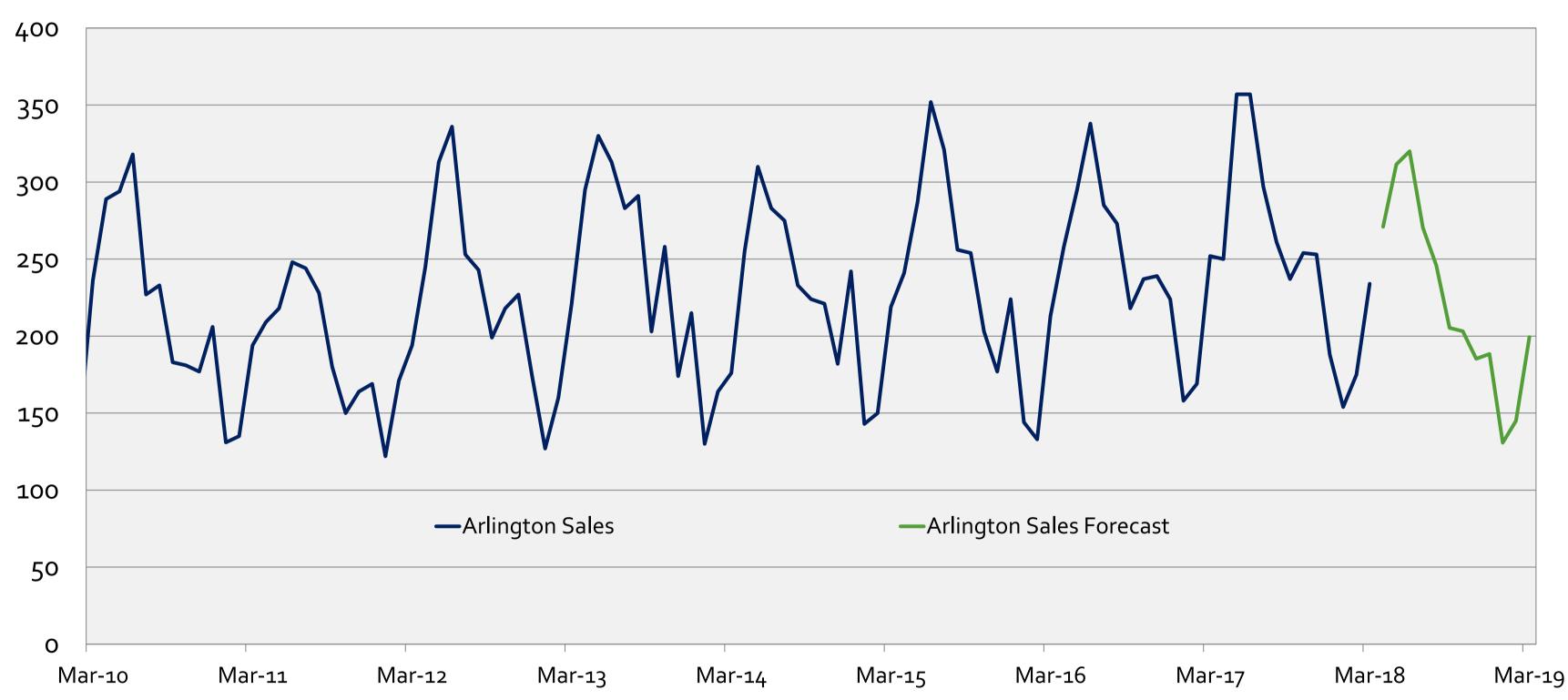






# Sales Forecast (units) Arlington

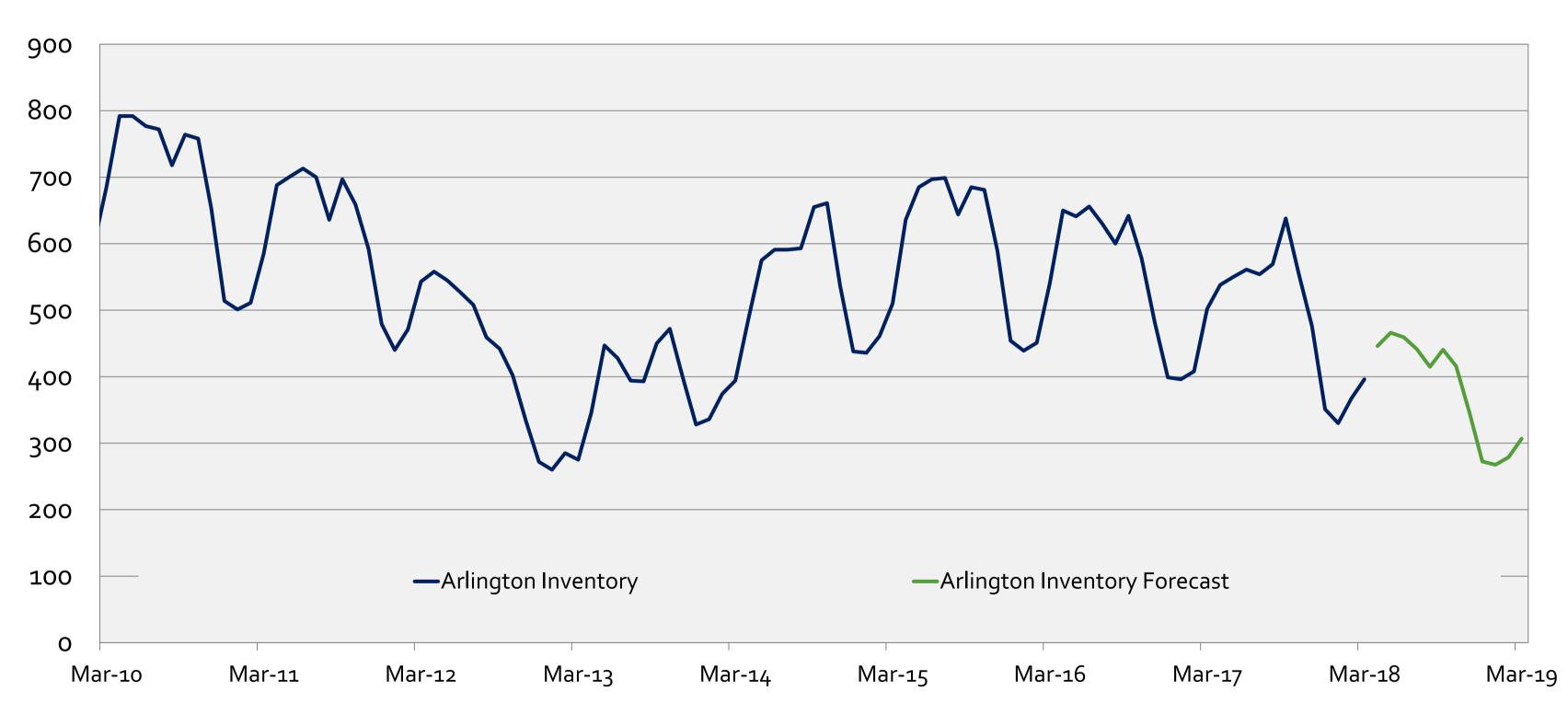






# Inventory Forecast (months end) Arlington

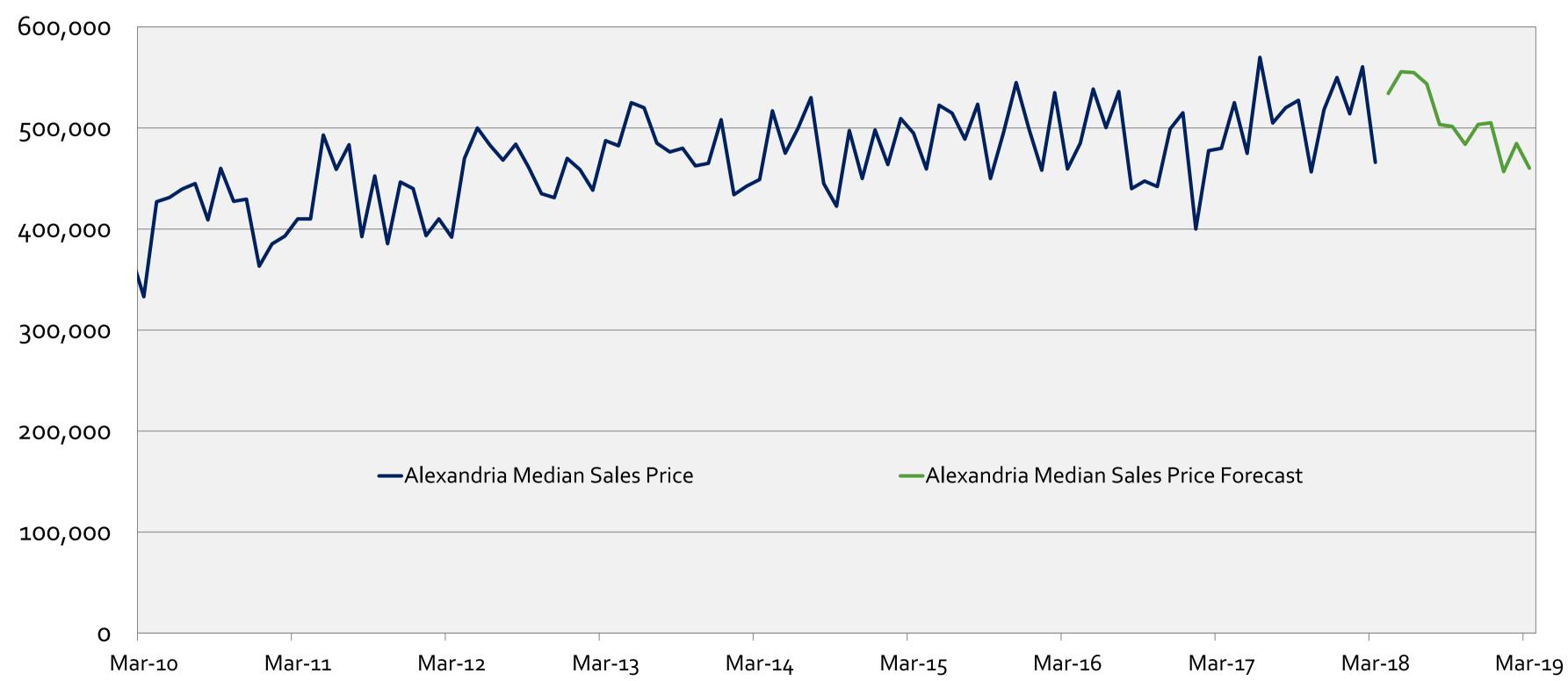






### Median Sales Price Forecast Alexandria

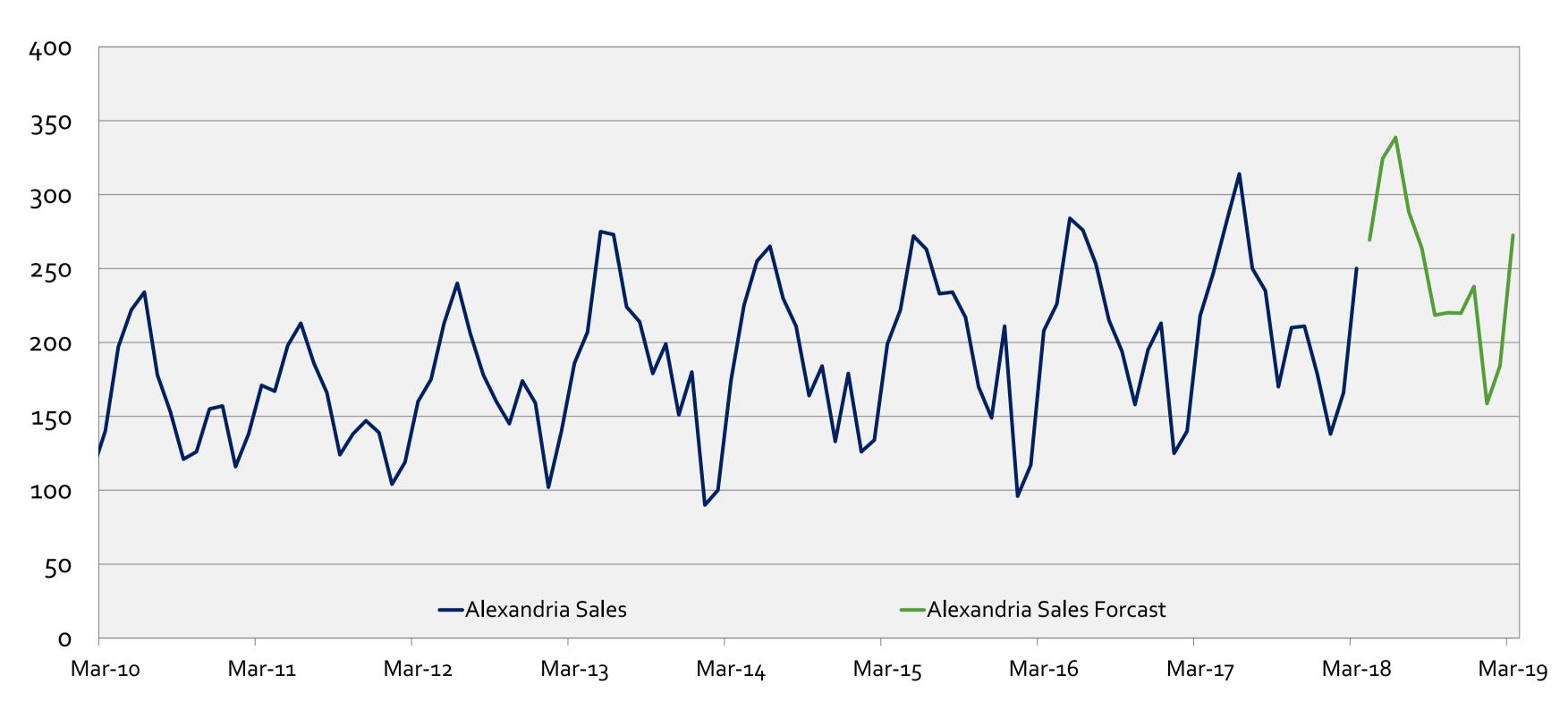






### Sales Forecast (units) Alexandria

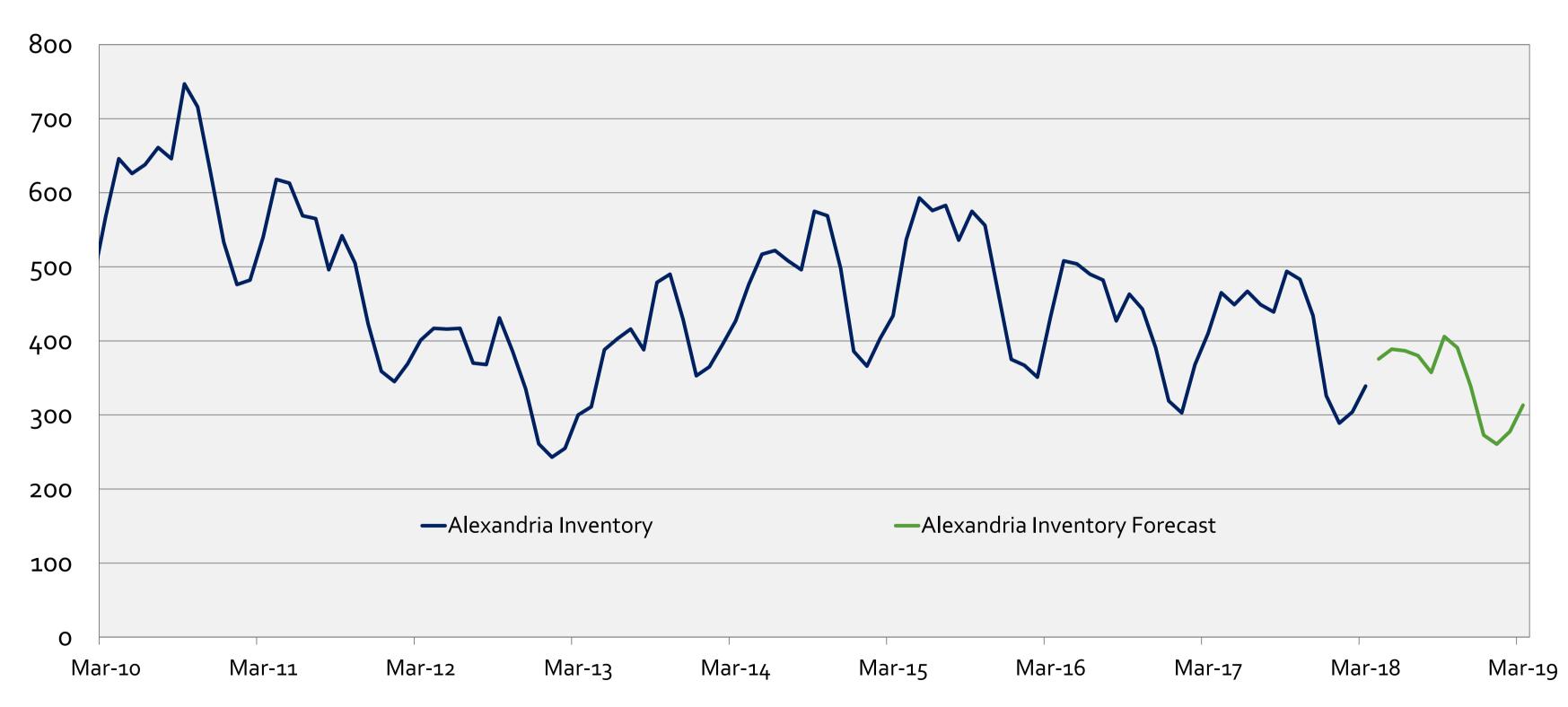






### Inventory Forecast (months end) Alexandria







## **Key Factors**



### Now/This Year:

- On a roll
- Apple/Amazon
- Federal Budget (let the good times roll)
- Bonus checks
- Job growth constrained by labor availability
- Building permits not booming

## Looking Forward

- Economic Development = Talent Attraction
- Quality of Life is key
- •Net effects of new tax laws on worker take home
- Effects of SALT limitations on local governments
- Increasing debate about 1099 work versus employment
- The sharing economy
- Construction costs
- Al





## Thank You

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## **NVAR Finance Summit**

Susan F. Dewey
VHDA Executive Director



## Who is VHDA?

Since its creation in 1972 by the Virginia General Assembly, VHDA has helped Virginians attain quality, affordable housing through public-private partnerships with local governments, community service organizations, lenders, developers, Realtors and others.





Attracting and retaining millennial households is critical to the vitality of NOVA's economy and home purchase market



# Millennial first-time home buyers face numerous challenges



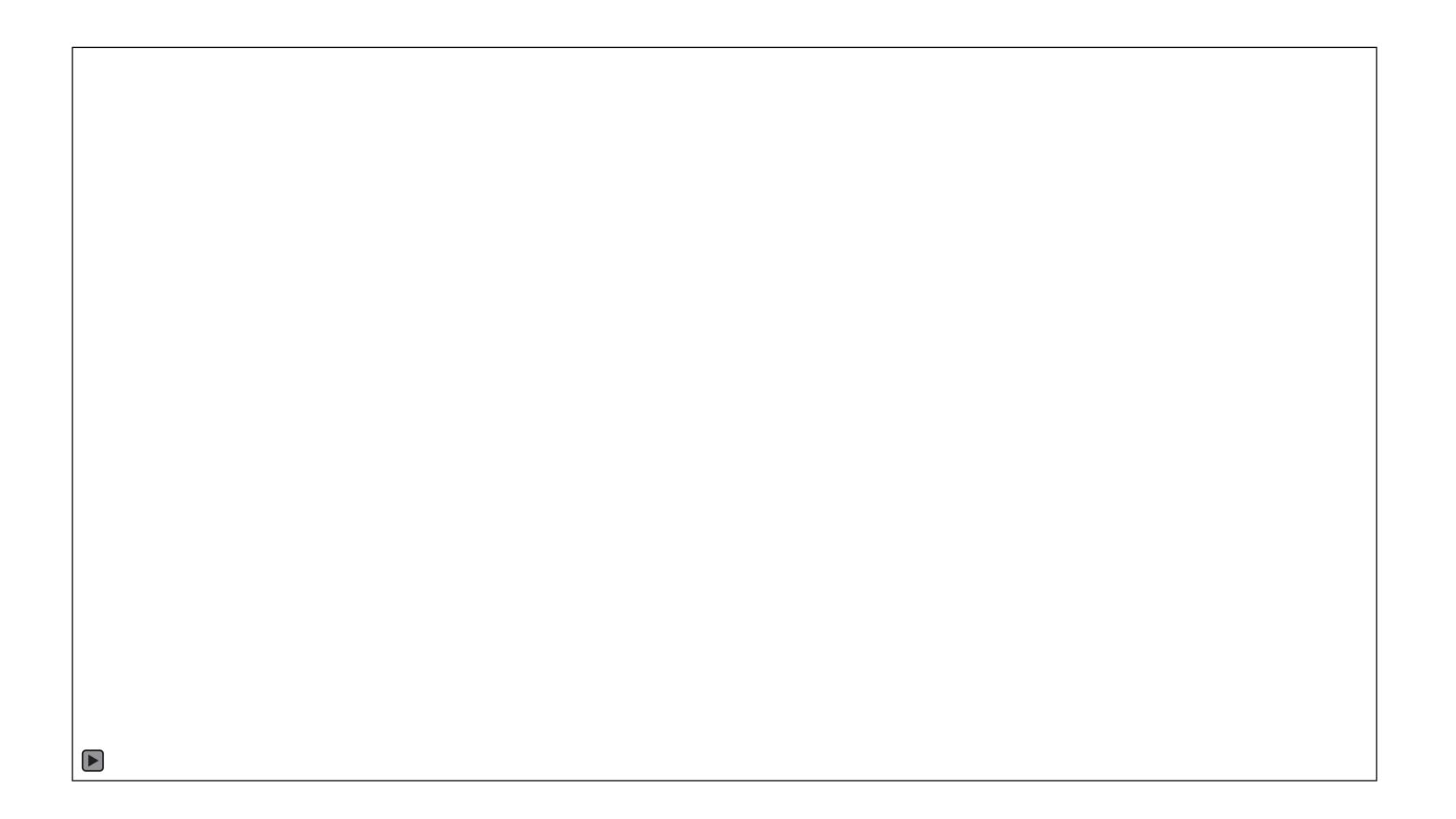
# VHDA is addressing the challenges of first-time home buying in Northern Virginia head-on.



## VHDA Marketing Campaign

- Marketing and Outreach campaign launched April 9<sup>th</sup>
- Combination of digital and cable television advertising
- Highlights VHDA's Loan Combo
- vhda.com/loancombo











## VHDA Homebuyer Loan Programs







# VHDA's Down Payment Assistance (DPA) Grant Program

- No repayment required
- 1% required investment from borrower (may be a gift)
- Grant amount 2% for VHDA Fannie Mae loans
- Grant amount 2.5% for VHDA FHA loans
- Lower income limits apply

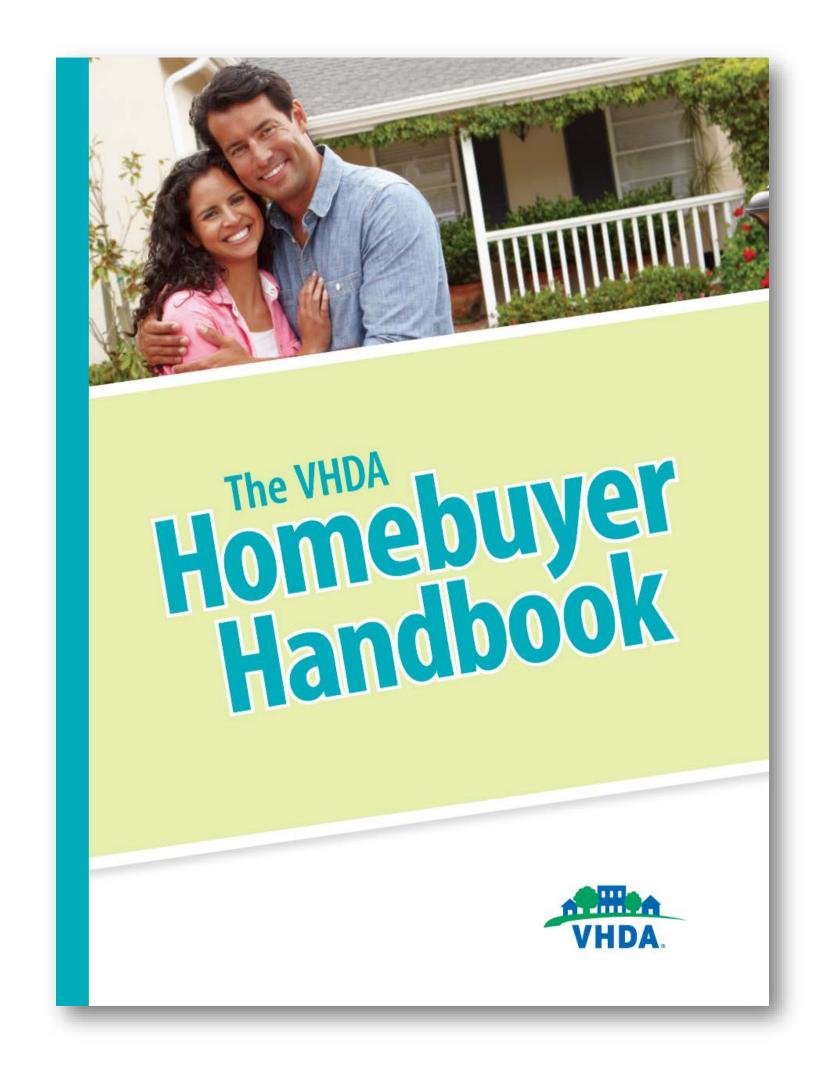


## VHDA Mortgage Credit Certificates (MCCs)



of owning a home.





VHDA's
Homeownership
Education
Program



## Home Purchase Lending in NOVA

- In 2017, VHDA's home purchase lending doubled in NVAR's service area.
- Over the past five years, VHDA has provided \$465 million in loans serving nearly 1,700 1<sup>st</sup>-time home buyers in Arlington, Alexandria and Fairfax.



## Working with Realtor Partners

VHDA Train-the-Trainer Program

Real Estate Agent Connection

Listing of VHDA REOs

Advisory Board members



# VHDA is also addressing the affordability challenges of renters in Northern Virginia.



## Rental Production in NOVA

- Over the past five years, VHDA has provided \$672 million in rental financing assistance in Arlington, Alexandria and Fairfax.
- This funding has supported the development of 50 affordable rental properties serving over 5,000 renters.





\$47.8 Billion Economic Activity



\$23.3 Billion Value Added to Gross State Product



314,299 Jobs



\$1.66 Billion State and Local Taxes



\$14.2 Billion Labor Income

LARGEST PRIVATE **SECTOR INDUSTRY** by Direct Output

This research was commissioned by the Governor's Housing Policy Advisory Council, whose members provided invaluable guidance and information to the research project. The full report and companion research projects for Assessing the Importance of Housing for Virginia's Economy can be accessed at www.virginiahousingpolicy.com.



## The Impact of Housing for Virginia's Economy



Virginia has a shortage of housing affordable to a substantial share of households.



4

The homebuilding industry faces major challenges in meeting affordable housing needs.





Failure to address affordable housing needs adequately has significantly affected key priorities of state policy.





Regions with lower combined housing and transportation costs have experienced better economic performance.





Virginia needs to produce substantial new affordable housing to accommodate anticipated workforce growth.

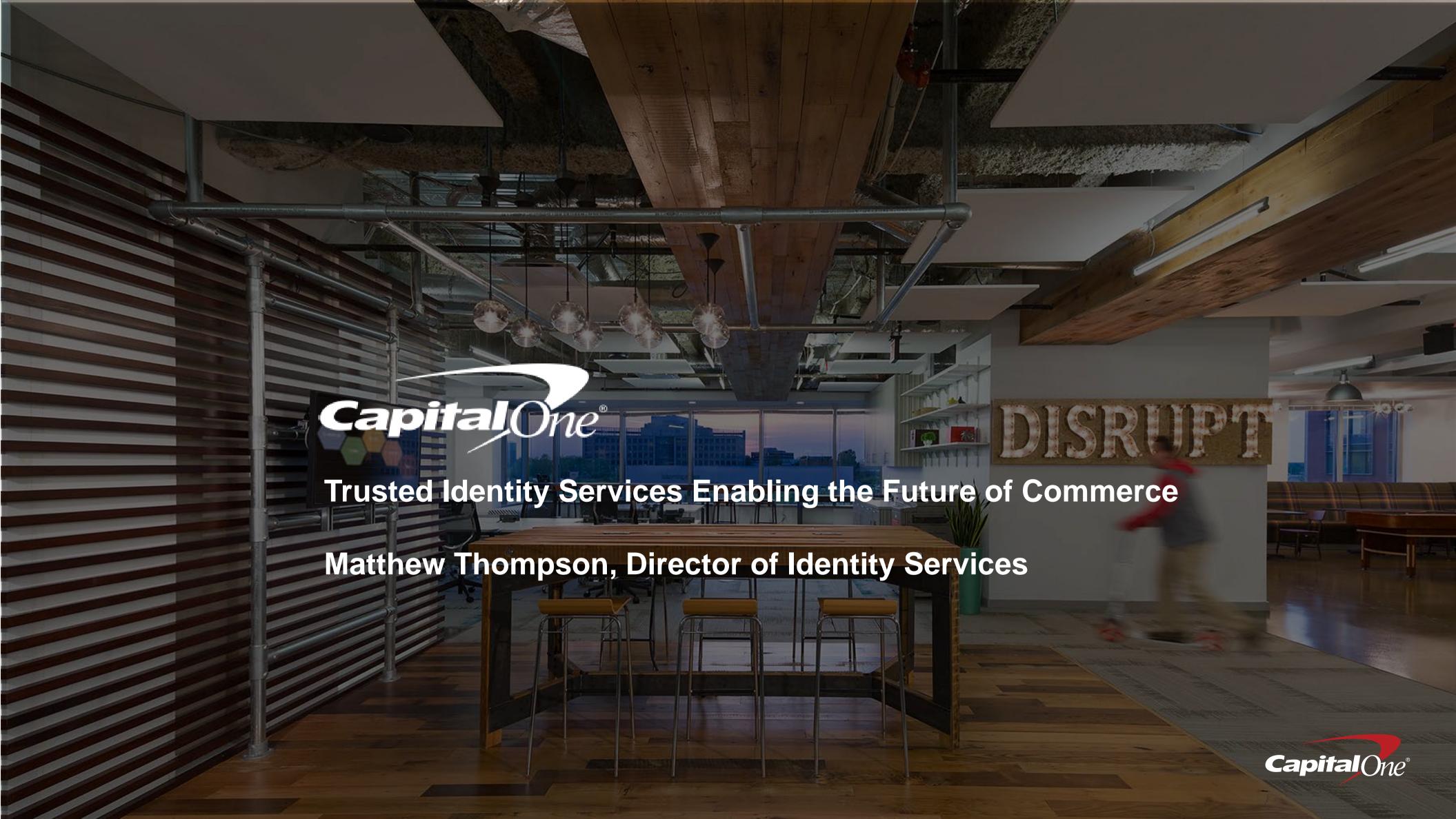




Virginia can no longer rely on the federal government to address critical housing needs.







## Background

Identity: What it is and why it matters

The Future of Payments



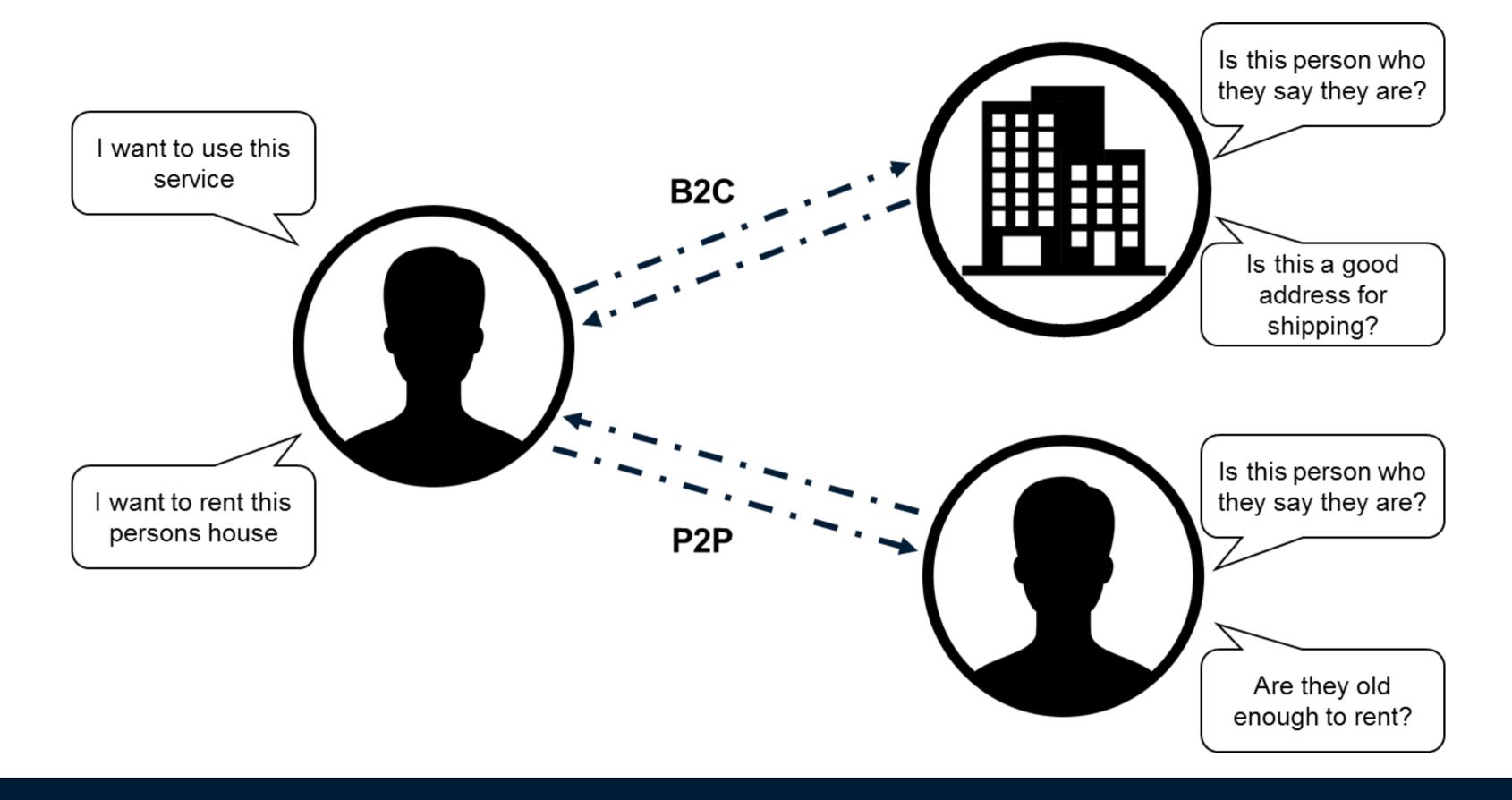
## Background

Identity: What it is and why it matters

The Future of Payments



## Trust in identity is a critical part of modern society

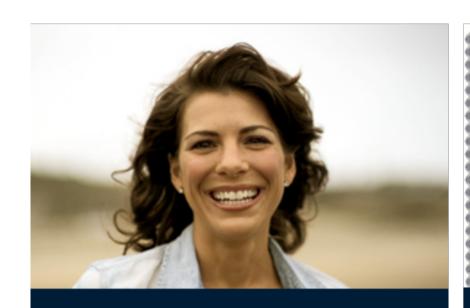


Trust between parties is critical to enabling commerce



# An effective Identity Process is an integral part of how commerce is enabled in consumers' everyday lives

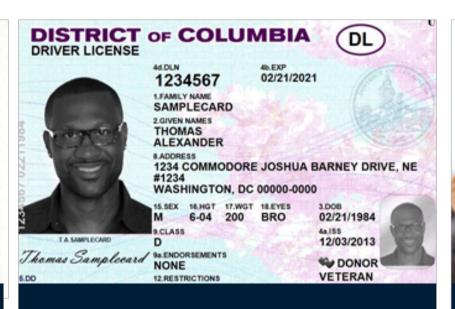
### What do we mean by an effective identity process?



Represents a real person



Initially derives proof from trusted sources such as documents, data or other elements that prove the person is who they say they are



Offers a proxy of the identity so that recurring verification is simplified



Enables use by others to ascertain who the person is



# Physical identity models have not evolved fast enough to effectively service the digital sector





Physical Identity was built assuming that entities would engage in face-to-face transactions

In-person transactions allow for biometric authentication of photos included on ID's



**Digital Commerce** 

Digital Identity relies on the possession of information that is easily obtained

Does not provide for effective validation of a link between a human and the data they are presenting



## Identity is the frontier of privacy and security in the digital world

#### INHERENT ATTRIBUTES

Attributes that are intrinsic to an entity and are not defined by relationships to external entities.

#### For individuals:

- Age
- Height
- Date of birth
- Fingerprints

#### For legal entities:

- Industry
- Business status

#### For assets:

- · Nature of the asset
- Asset issuer

#### ACCUMULATED ATTRIBUTES

Attributes that are gathered or developed over time. These attributes may change multiple times or evolve throughout an entity's lifespan.

- Health records
- Preferences and behaviours (e.g., telephone metadata)
- Business record
- · Legal record

- Ownership history
- Transaction history

#### ASSIGNED ATTRIBUTES

Attributes that are attached to the entity, but are not related to its intrinsic nature. These attributes can change and generally are reflective of relationships that the entity holds with other bodies.

- National identifier number
- Telephone number
- Email address

- Identifying numbers
- Legal jurisdiction
- Directors

- · Identifying numbers
- Custodianship

Trust in a person's claimed digital identity is vital to most of their interactions with an enterprise and its partners in a digital ecosystem, its systems, and with other people and things



## The Identity Business is a Dog

For 20 years, nothing changed

1990s On the internet, <u>nobody</u> knows you're a dog



"Total anonymity"

2000s
On the internet,
everybody knows you're
a dog



"Cookies and tracking"

2010s
On the internet, <u>anybody</u>
can fool us into thinking
they're your dog

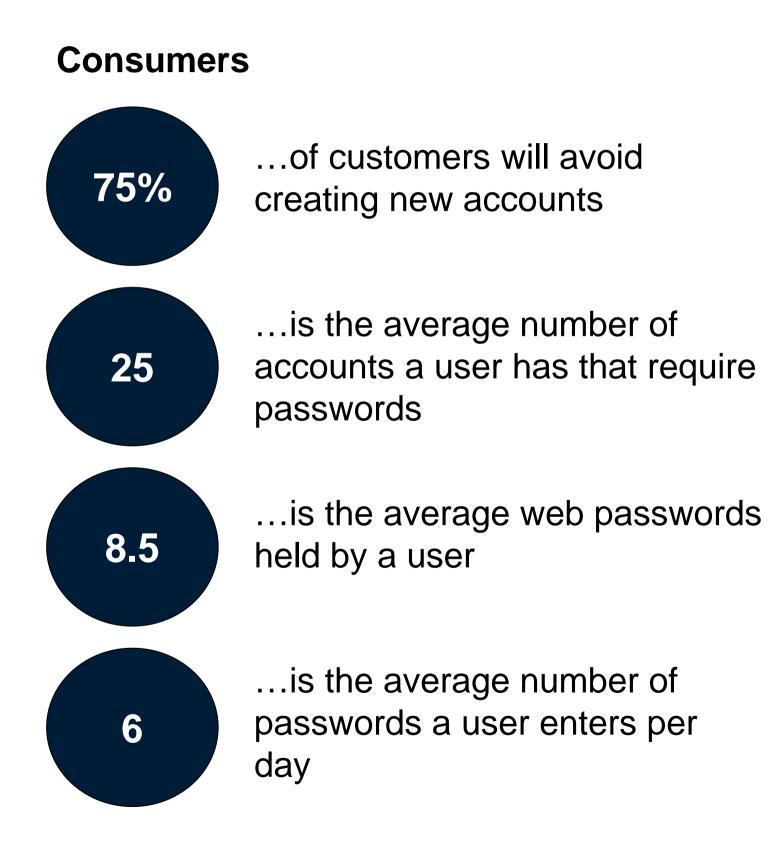


"Personal data, easily accessible"

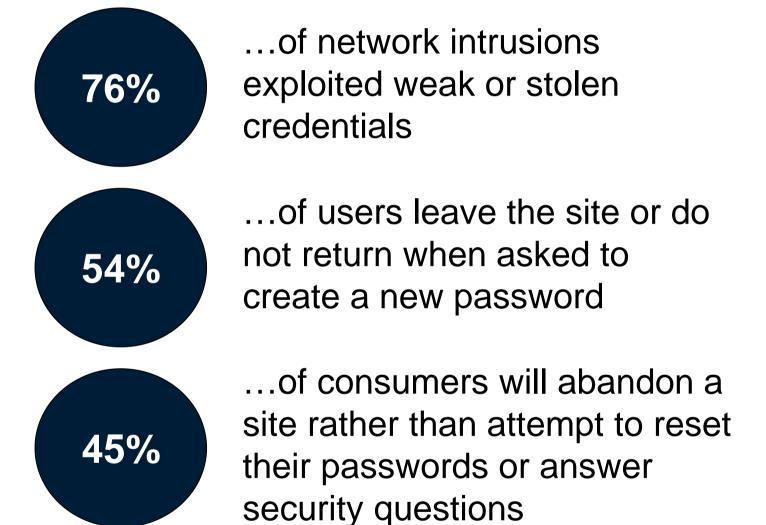


## Creating several challenges for online trust

Today, consumers and businesses/governments are challenged with finding a user friendly, secure and cost effective method to access applications and conduct business online

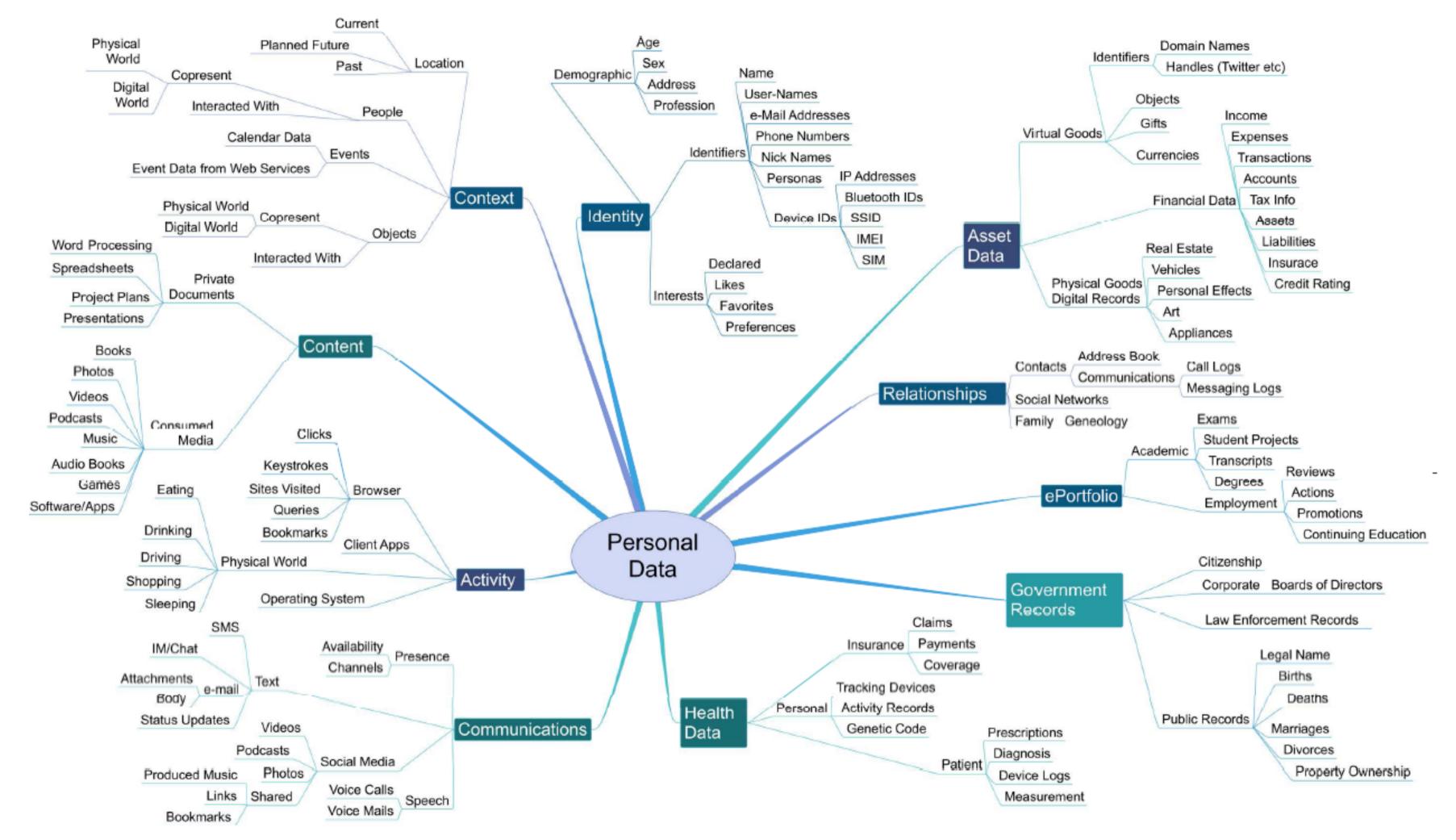




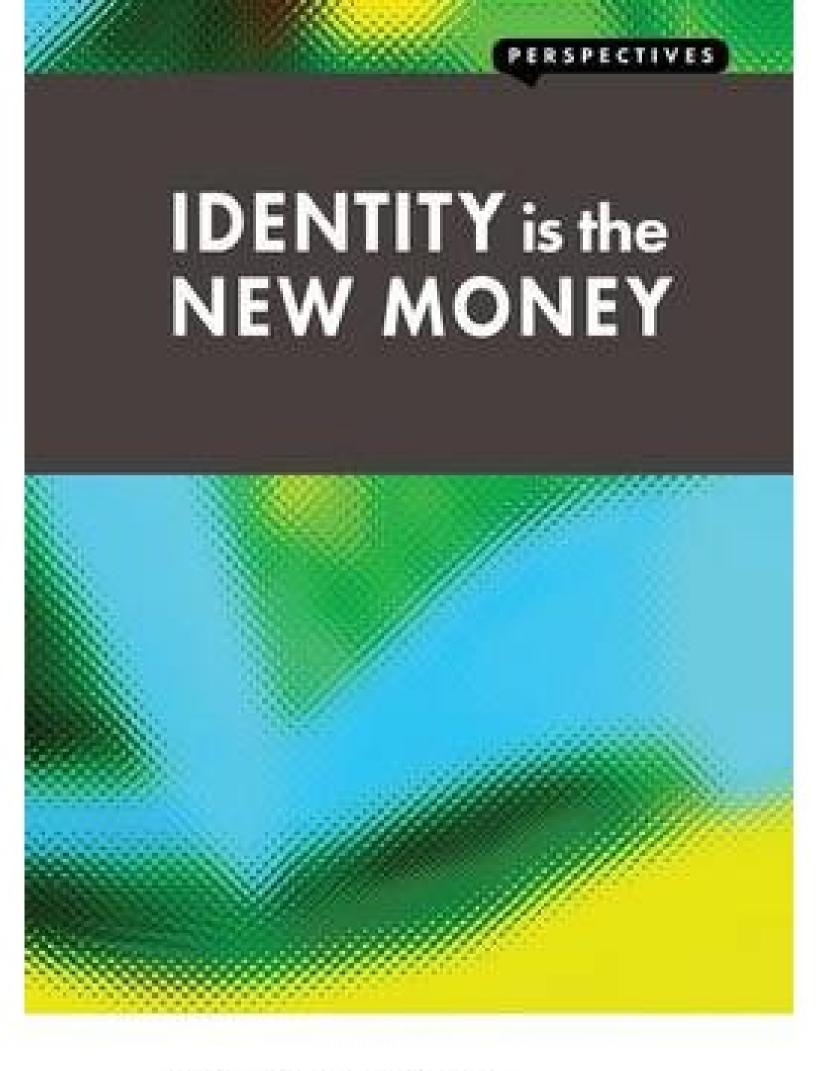




## Personal Data is Abundant....and Growing







DAVID BIRCH

## A number of trends are impacting payments

WeChat + Alipay

Mobile POS payments

Technology taking over banking

Real-time payments

**Rise of ecommerce** 

## There has been a land grab for POS NFC payments

#### **Examples of POS NFC Payments Players**













JAWBONE®







KERV.



## Recently, the European Union has changed the regulatory landscape

#### **Key Tenets of Payment Services Directive 2**

(To be implemented by Jan 13, 2018)

Force banks to make services and customer data available to third parties

Offer licenses for third parties to formally offer banking services

## Tech companies have been eyeing banking licenses for some time, including in the U.S.

**Abroad** 

In the U.S.

#### Creation of a lobbying group

**Individual efforts** 



**Dec 2016:** 

Obtained licenses for emoney and payment services in Europe (Ireland)



#### Nov 2015:

Google, Apple, Amazon, PayPal, and Intuit form the lobbying group "Financial Innovation Now"



#### **Sep 2017:**

Applied for an industrial loan company charter in Utah to expand its small-business lending



Q2 2016-2017

Met with U.S. banking regulators to discuss "issues related to mobile payments and payment processing, financial innovation, and technology"

## Two credible efforts pushing real-time ACH, i.e., "faster payments", are in market

#### **Key Real-Time Rails**

The Clearing House (TCH) Real Time Payments

 New rail for bank to bank payments to enable faster clearing and settlement in an information-rich manner Early Warning Systems (EWS) Zelle™ Network

- Uses a directory, requiring billers to know the identity of the person they want to bill
- Funds are transferred using ACH, but banks agree to make funds available in real-time

## Ecommerce is expanding into more of what we buy

#### **Key Trends Driving Ecommerce Growth**

We are increasingly comfortable buying online

New categories of products are finding successful ecommerce models

Mobile is bringing ecommerce into physical store (e.g., order ahead)







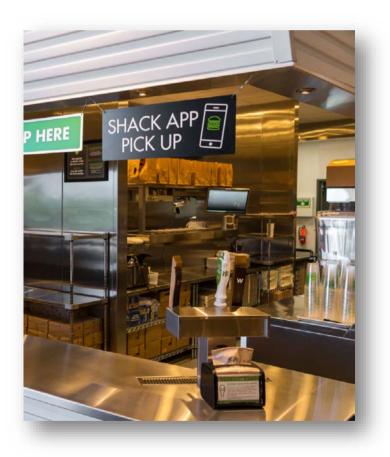
## Ecommerce is cracking even unlikely industries

#### **Example: Ecommerce's Entry Vectors into Food and Beverage Industry**

Order ahead

**Delivery services** 

"Pay at table"















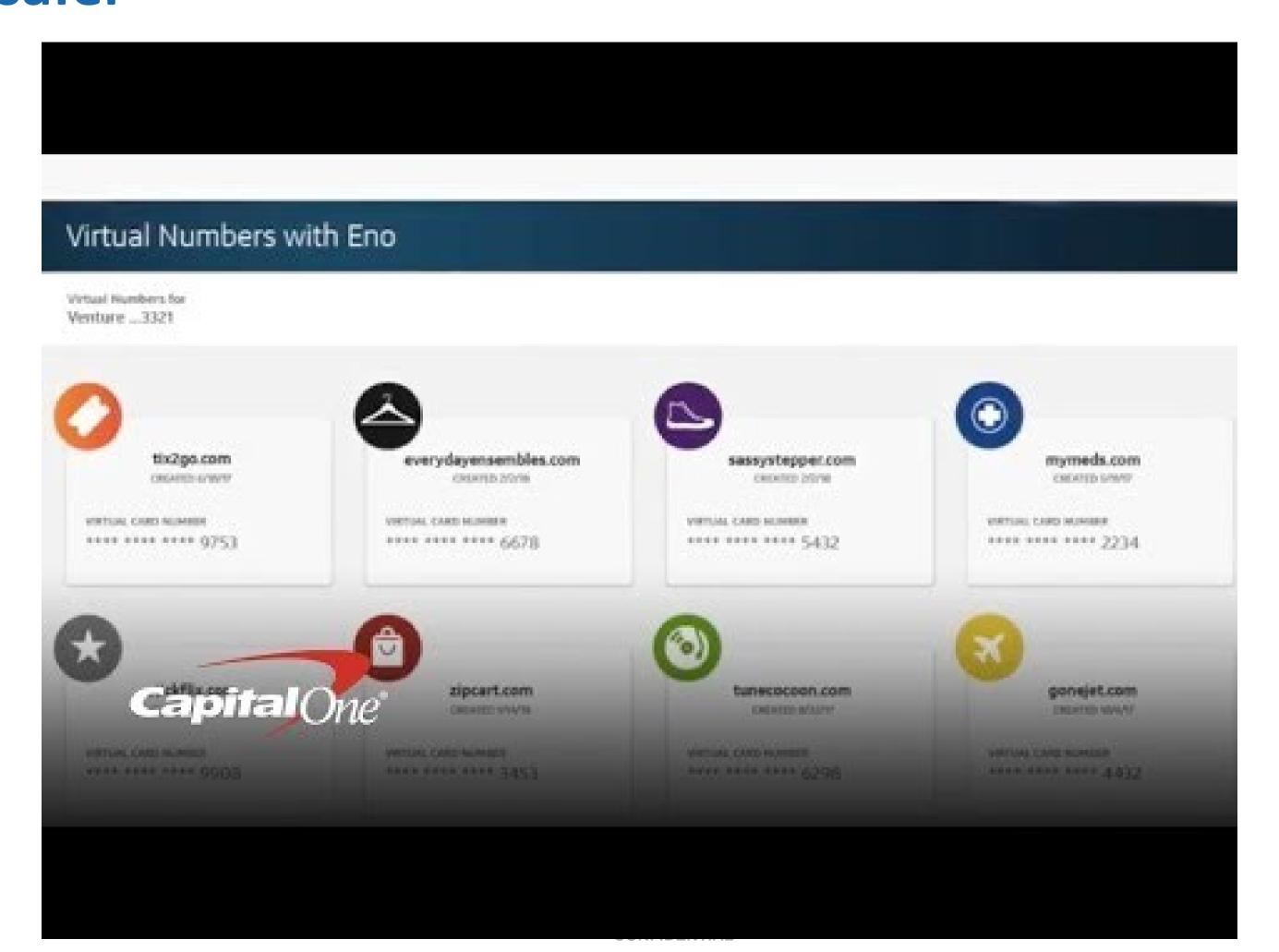








# We are launching a browser companion app to make online checkout easier and safer







#### MBA Economic and Mortgage Finance Outlook Prepared for the NVAR Finance Summit

May 2018

Presented by

Mike Fratantoni

Mortgage Bankers Association

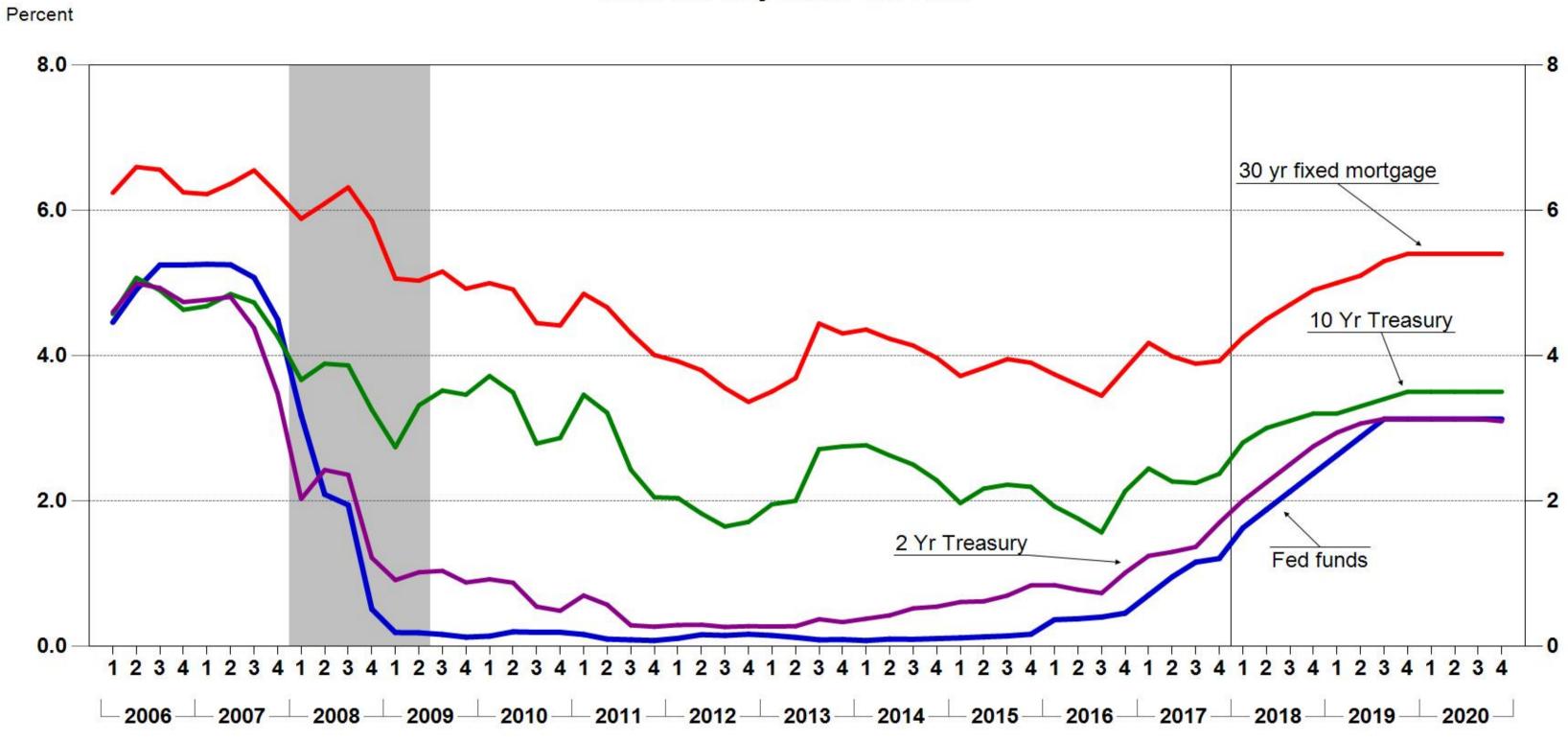


## MBA Forecast Summary

	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
GDP Growth	2.6%	2.6%	2.3%	1.5%
Inflation	2.1%	2.4%	2.5%	2.5%
Unemployment	4.4%	3.8%	3.7%	3.8%
Fed Funds	1.375%	2.375%	3.125%	3.125%
10-year Treasury	2.4%	3.3%	3.5%	3.5%
30-year Mortgage	3.9%	5.0%	5.4%	5.4%
New home sales (000s)	617	653	667	699
Existing home sales (000s)	5,542	5,642	5,783	5,964
Purchase originations (\$B)	1,110	1,167	1,250	1,317
Refi originations (\$ B)	600	446	395	395
Total originations (\$B)	1,710	1,613	1,645	1,712
Mortgage debt outstanding (\$B)	10,010	10,370	10,760	11,130

#### Rates Expected to Increase

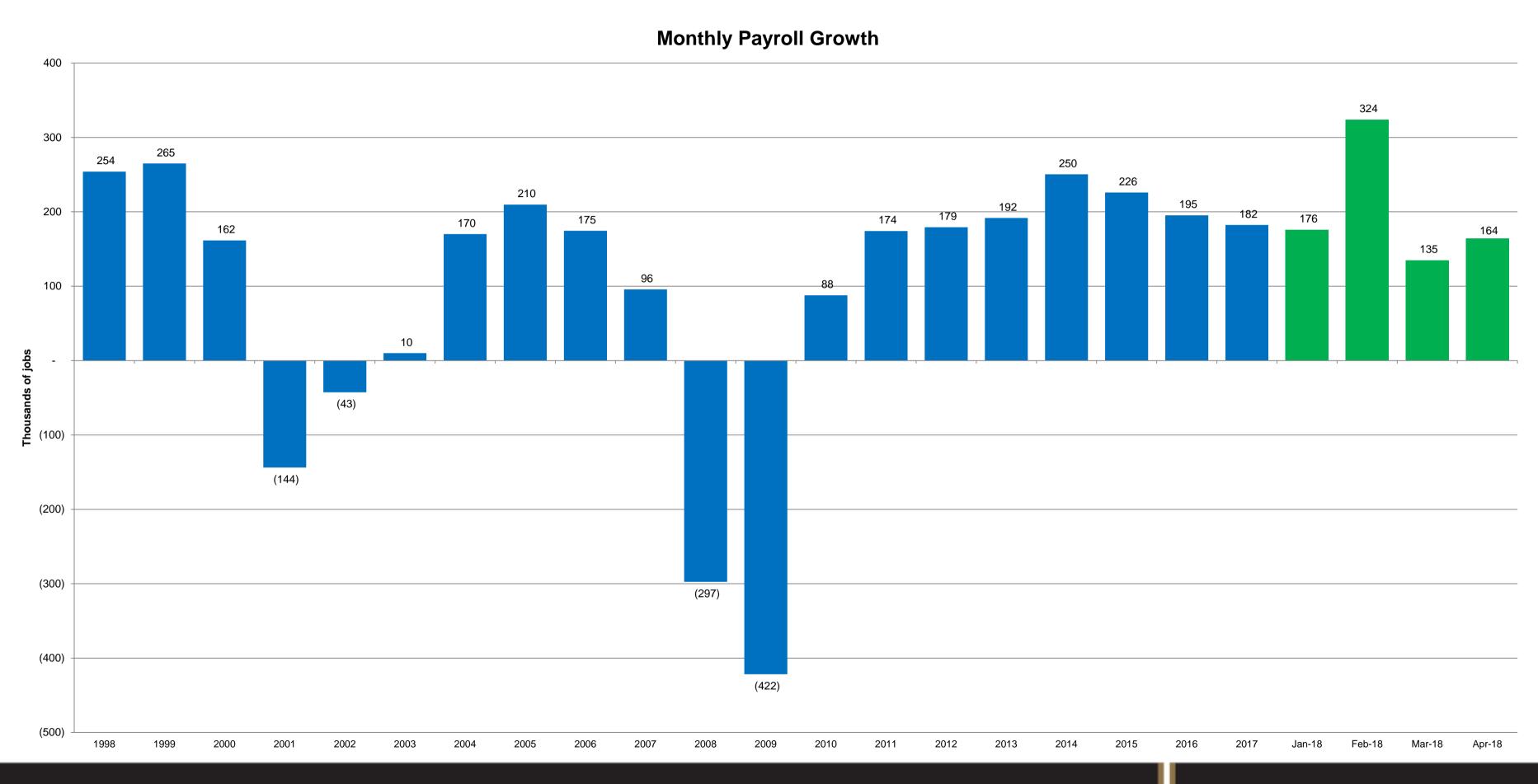
#### **Rate History and Forecast**



Source: Federal Reserve, Freddie Mac, MBA Forecast



#### **Job Growth Unexpectedly Strong**

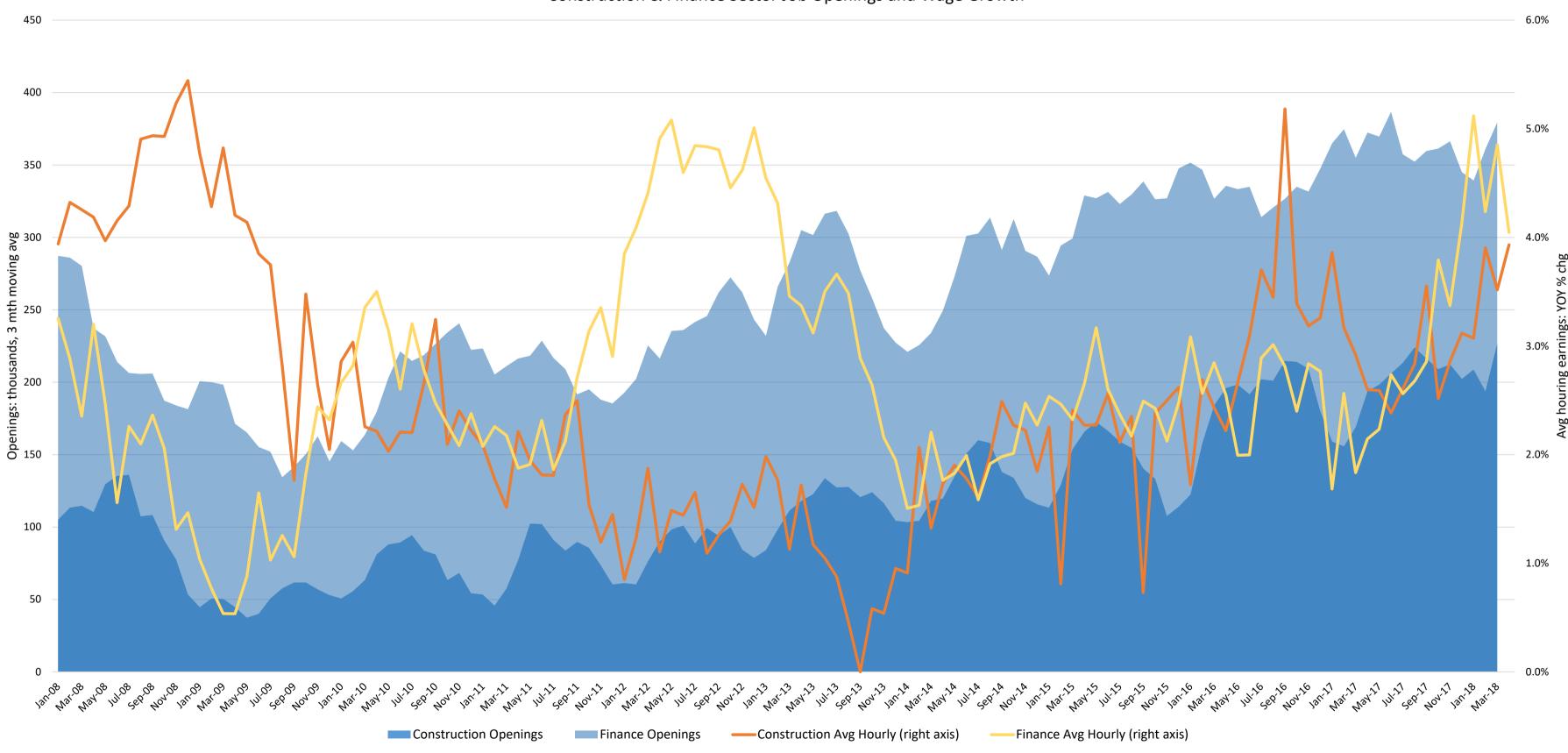




#### **Companies Still Having Difficulties Filling Openings**



Construction & Finance Sector Job Openings and Wage Growth

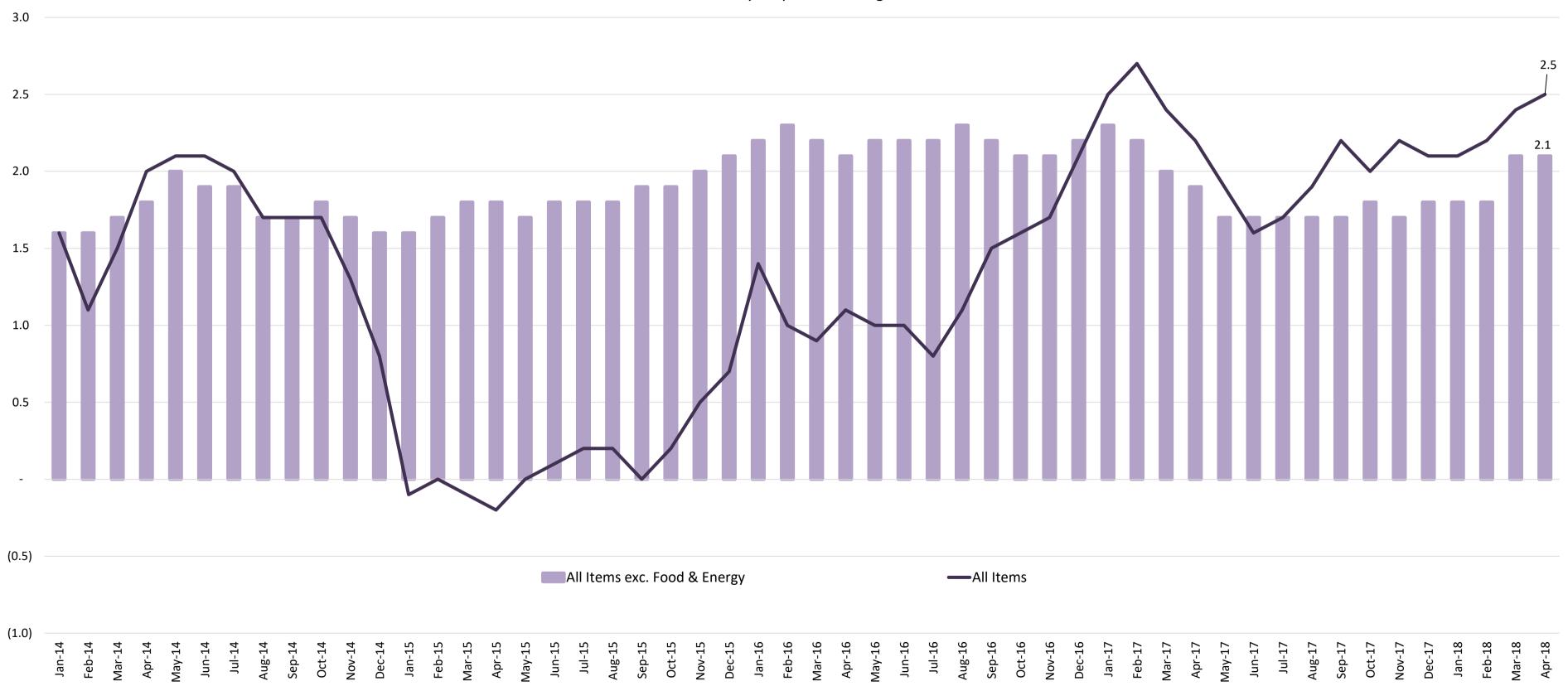




#### **Core Inflation Stepping Up**



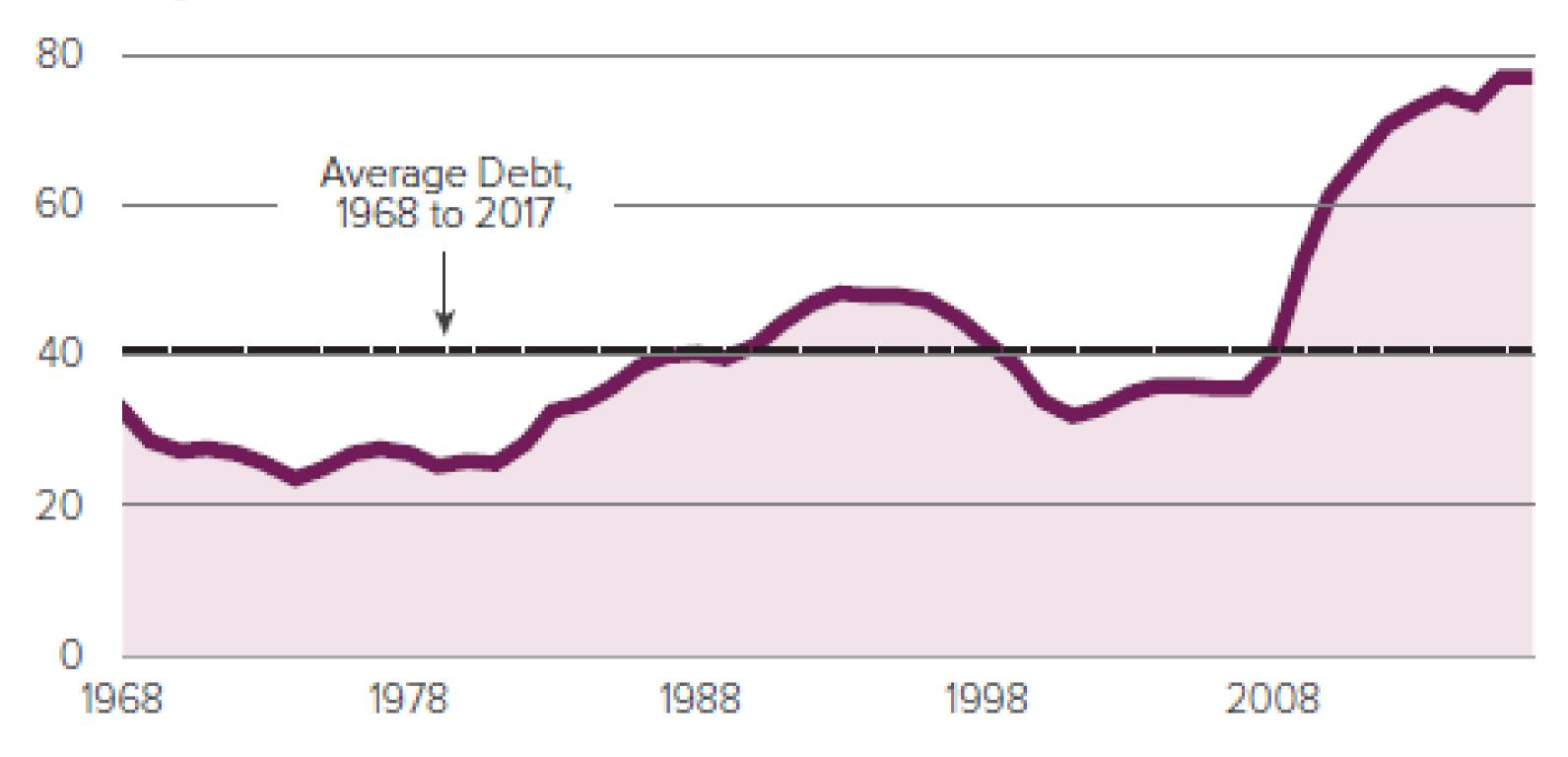
Year over year percent change





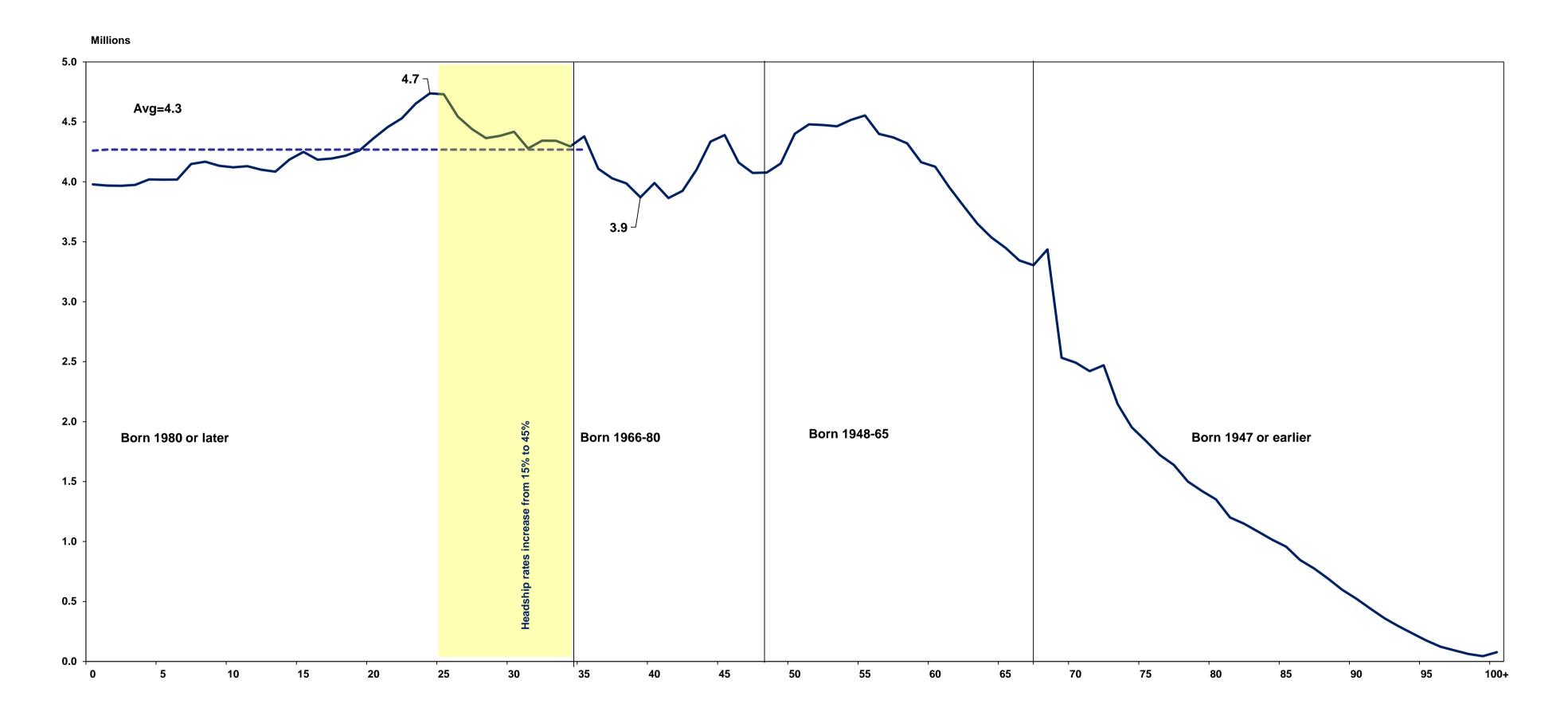
# Federal Debt Held by the Public, 1968 to 2017

Percentage of Gross Domestic Product



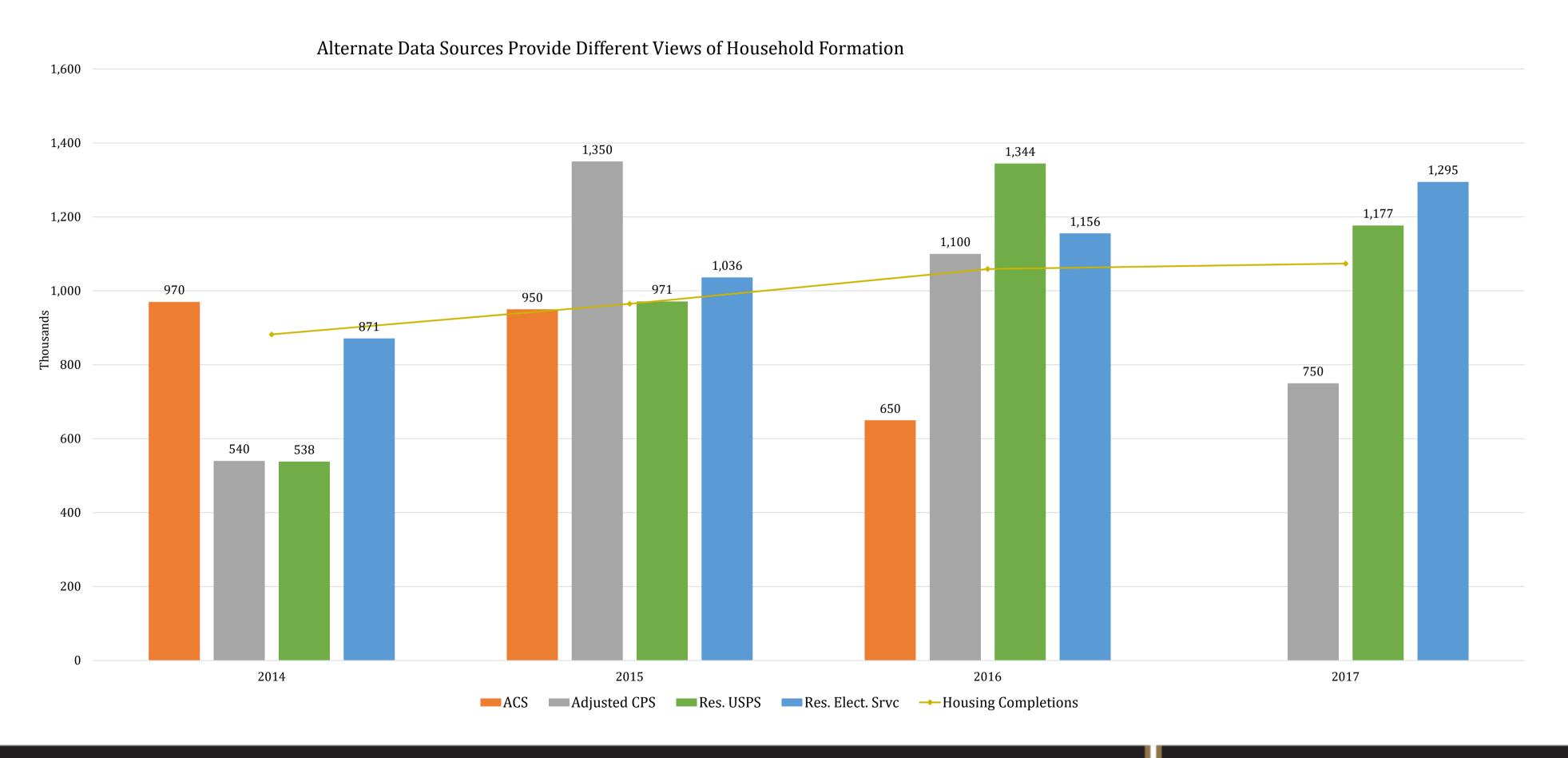


#### Millennials Hitting Peak Housing Demand Years



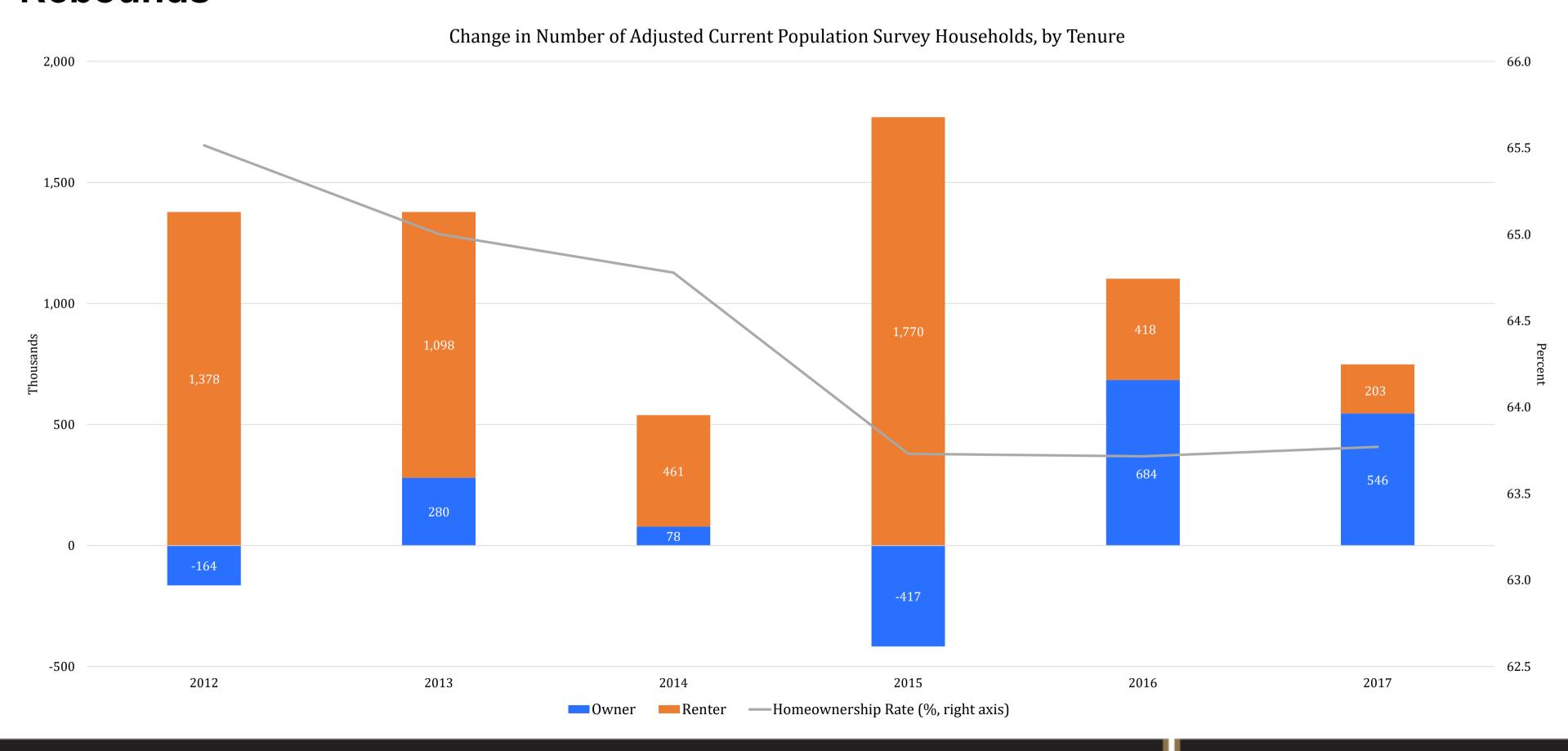


#### Demand Strong but Household Formation Facing Headwinds



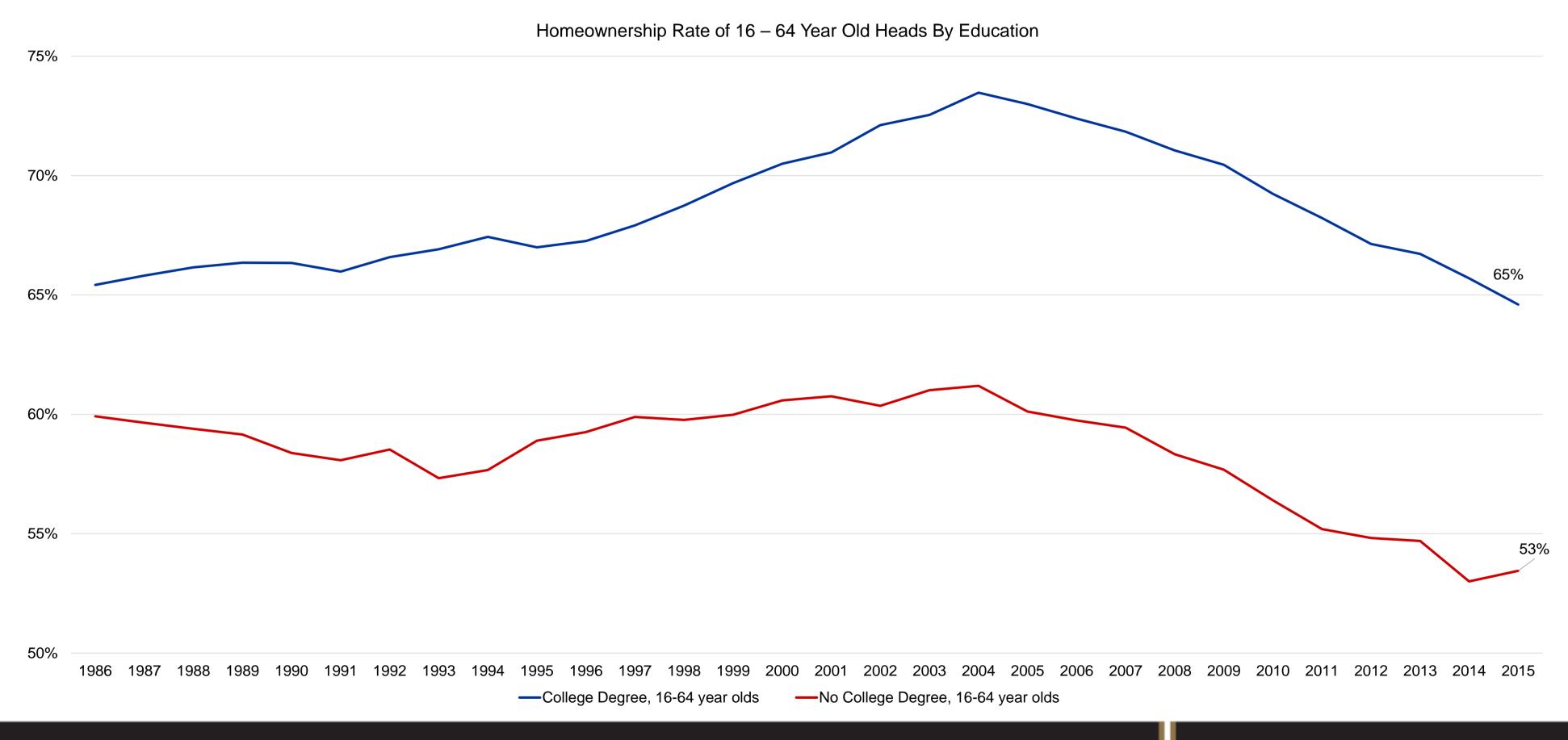


# Homeownership Rate Stabilizing as Owner-Occupied Household Formation Rebounds





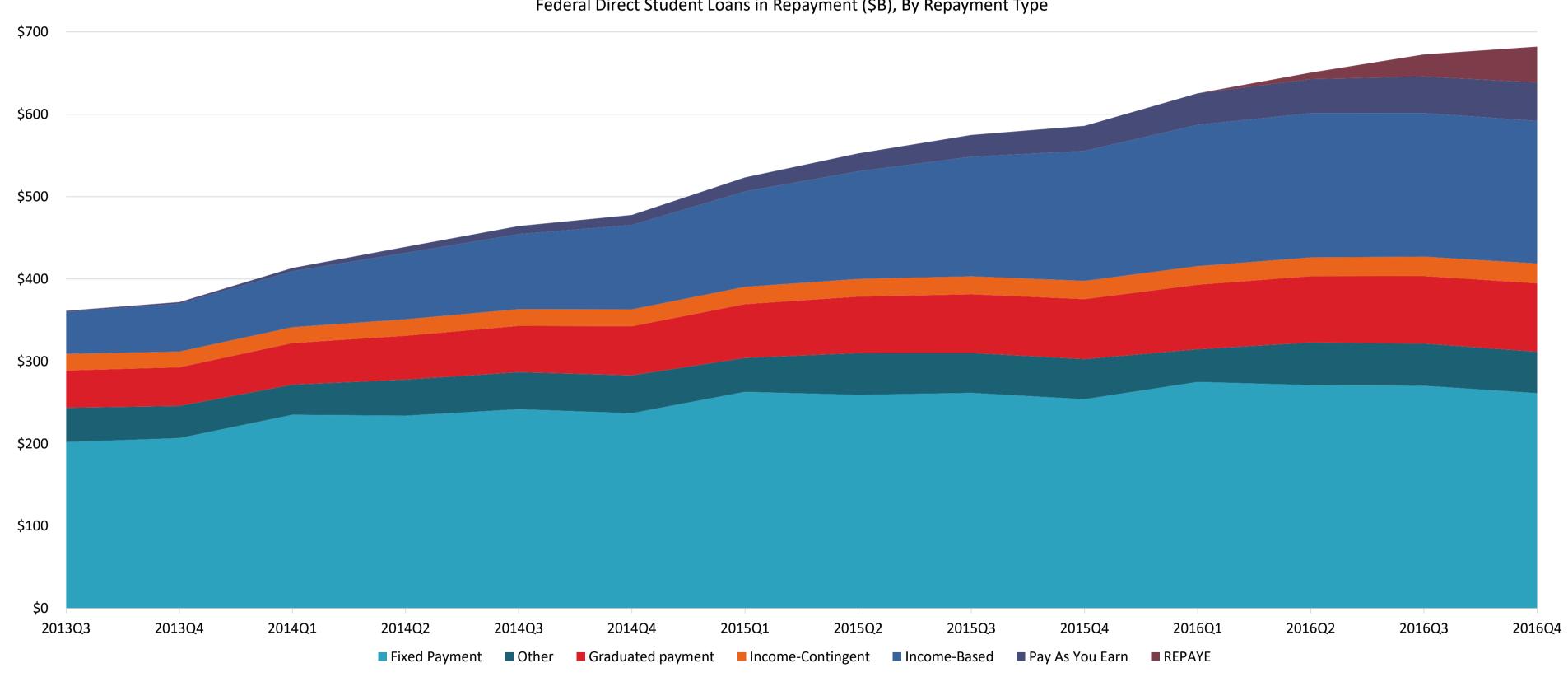
#### **Diverging Homeownership Trends**





#### The Rise of Alternative Student Debt Repayment Plans







#### Declining Inventories for Sale Constraining Existing Home Sales

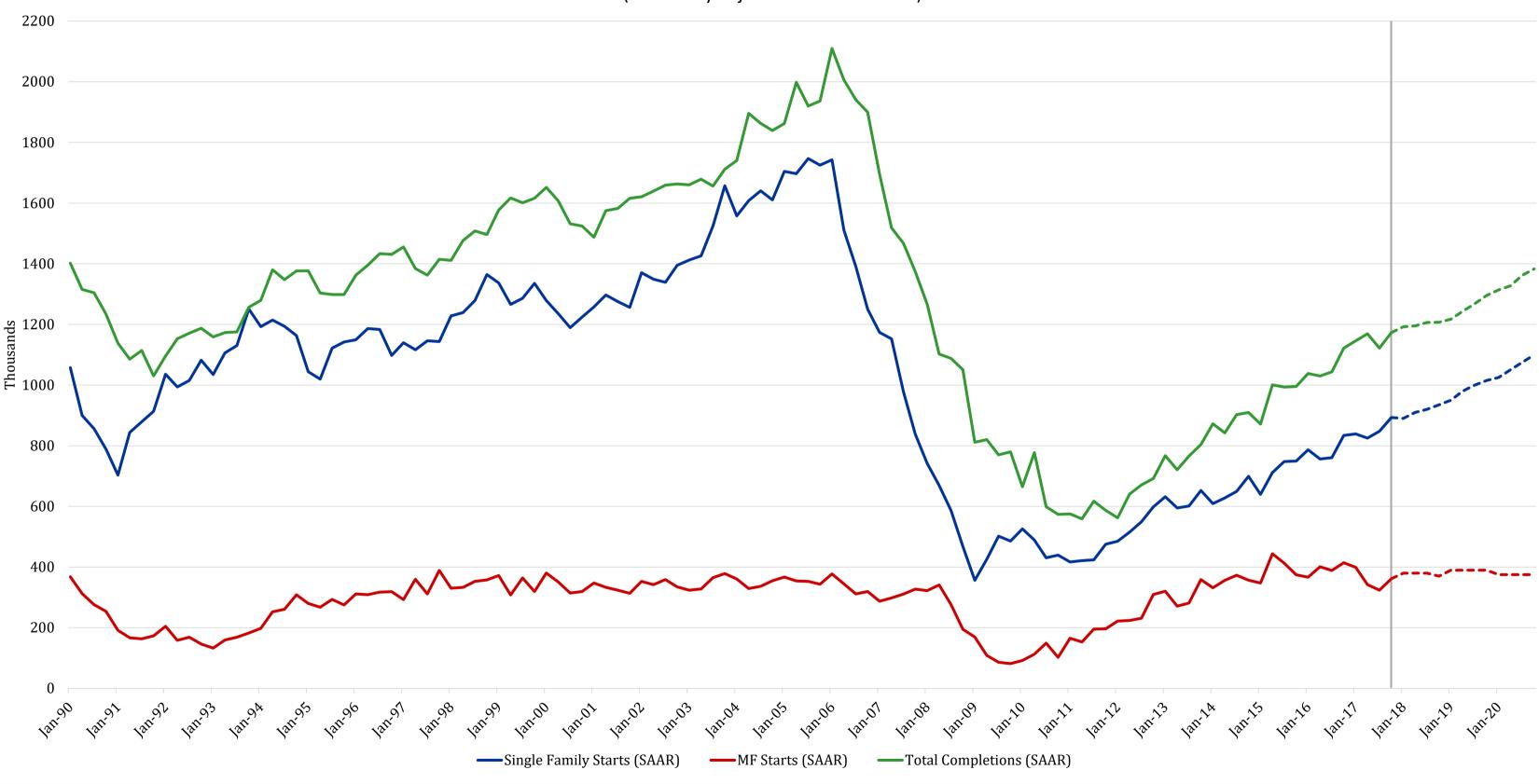




#### Single Family Starts Still Gathering Steam; MF Steady

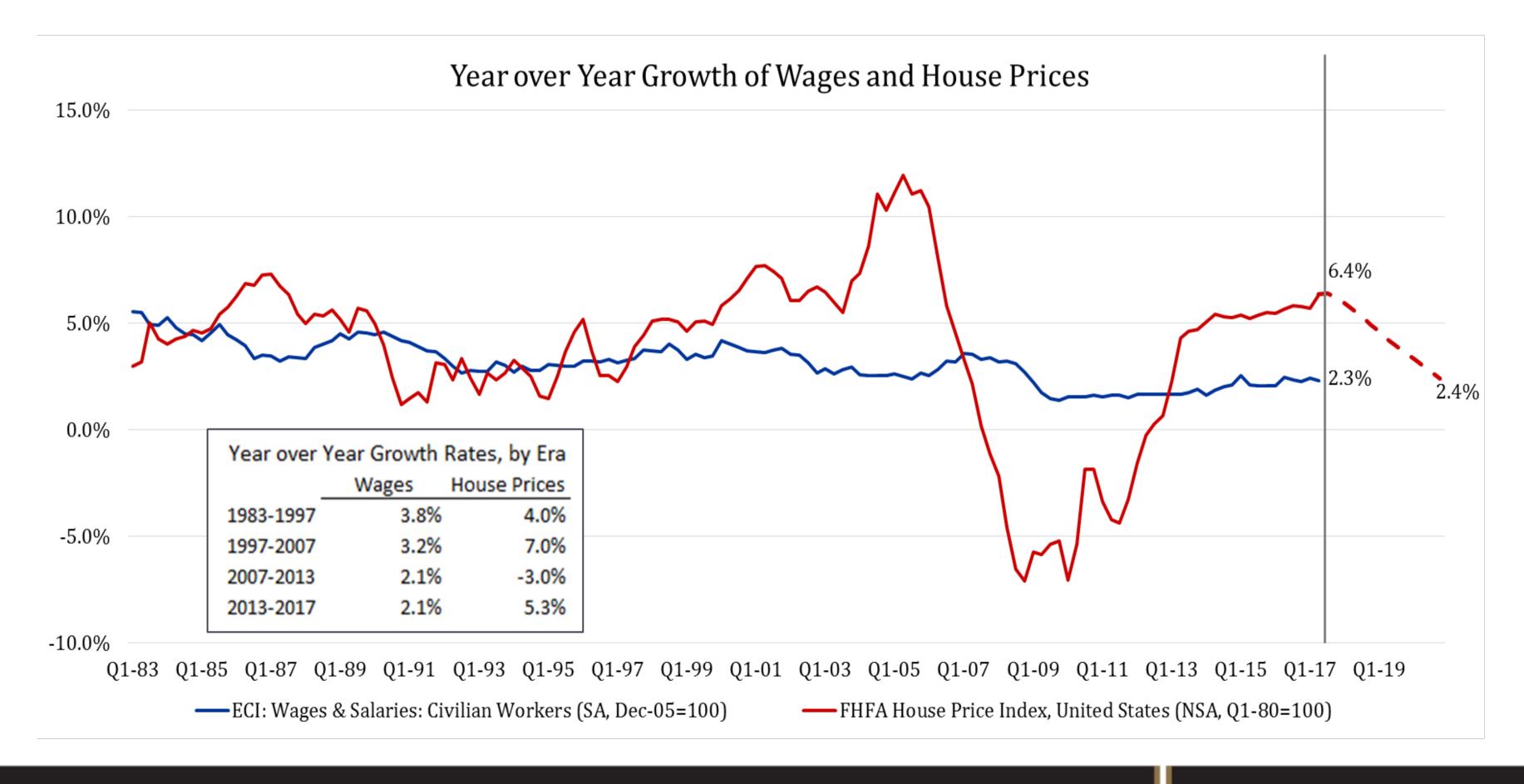


(Seasonally adjusted annualized rate)





#### House Price Growth Outpacing Income Growth; Price Gains to Slow

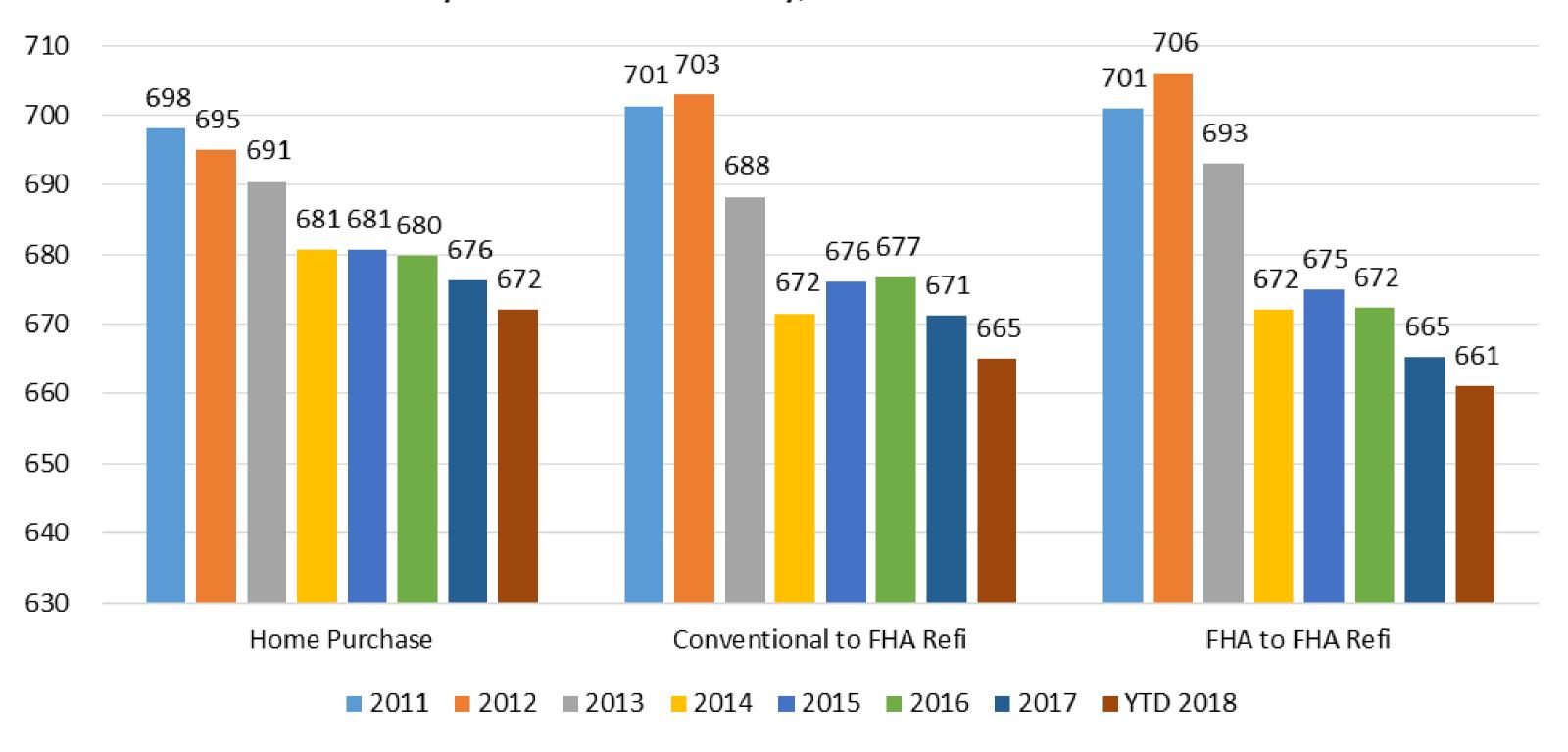




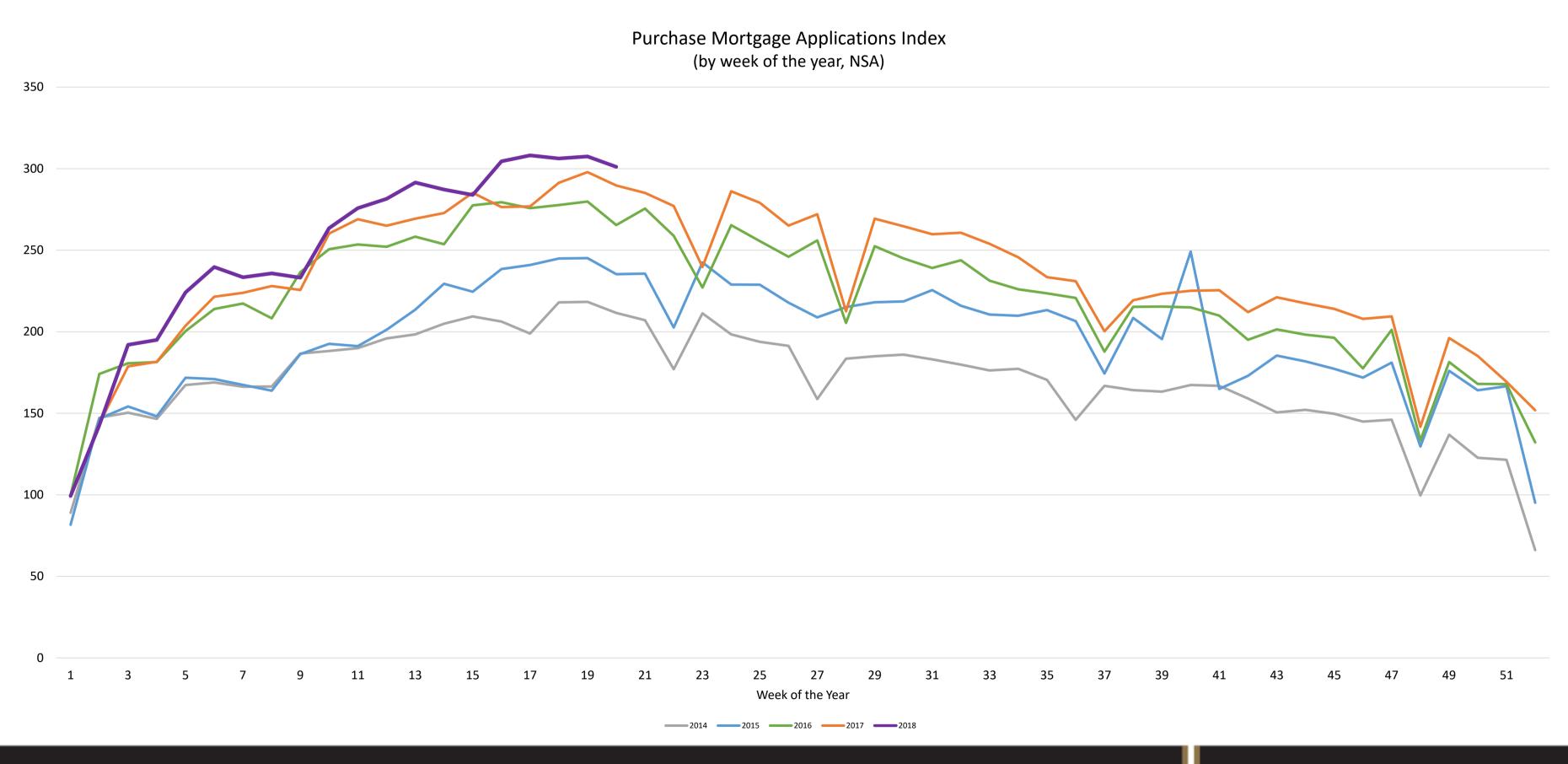
#### **FHA Credit Easing**

#### **FHA Average Credit Scores on New Endorsements**

Fully underwritten only, excludes streamlines

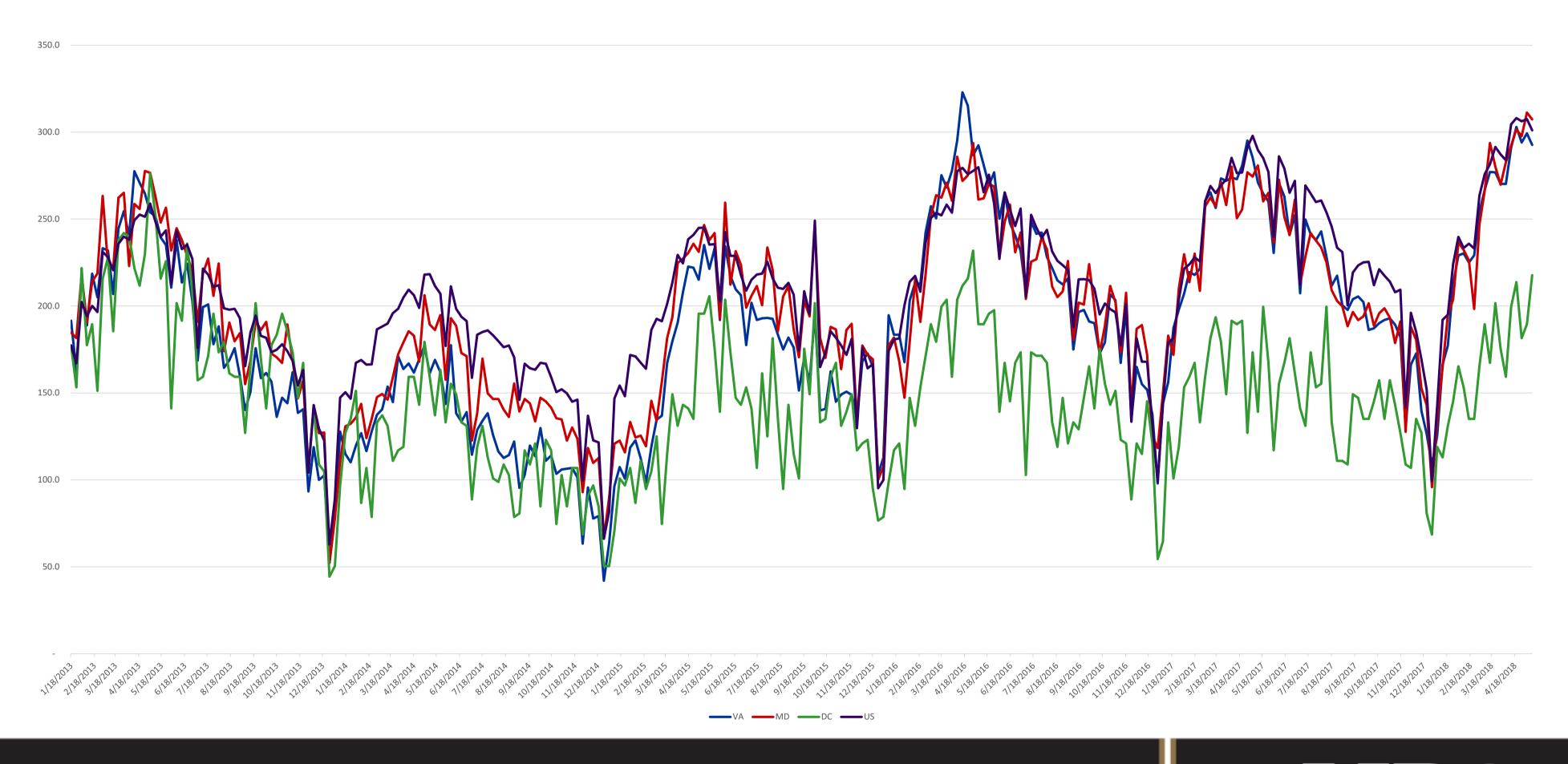


#### Purchase Volume Rising: Seasonality Increasing in Importance



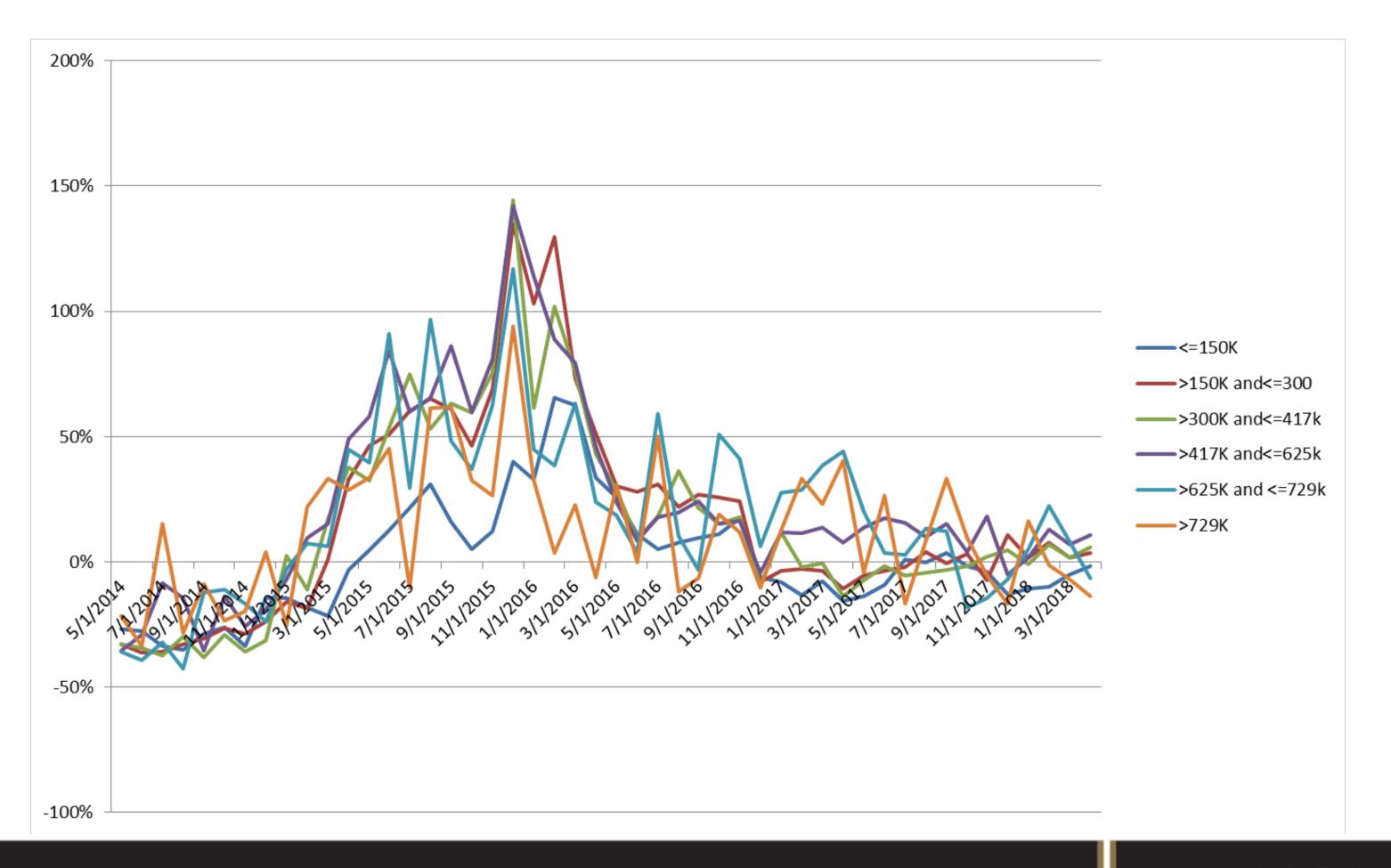


#### Purchase Application Index (NSA)



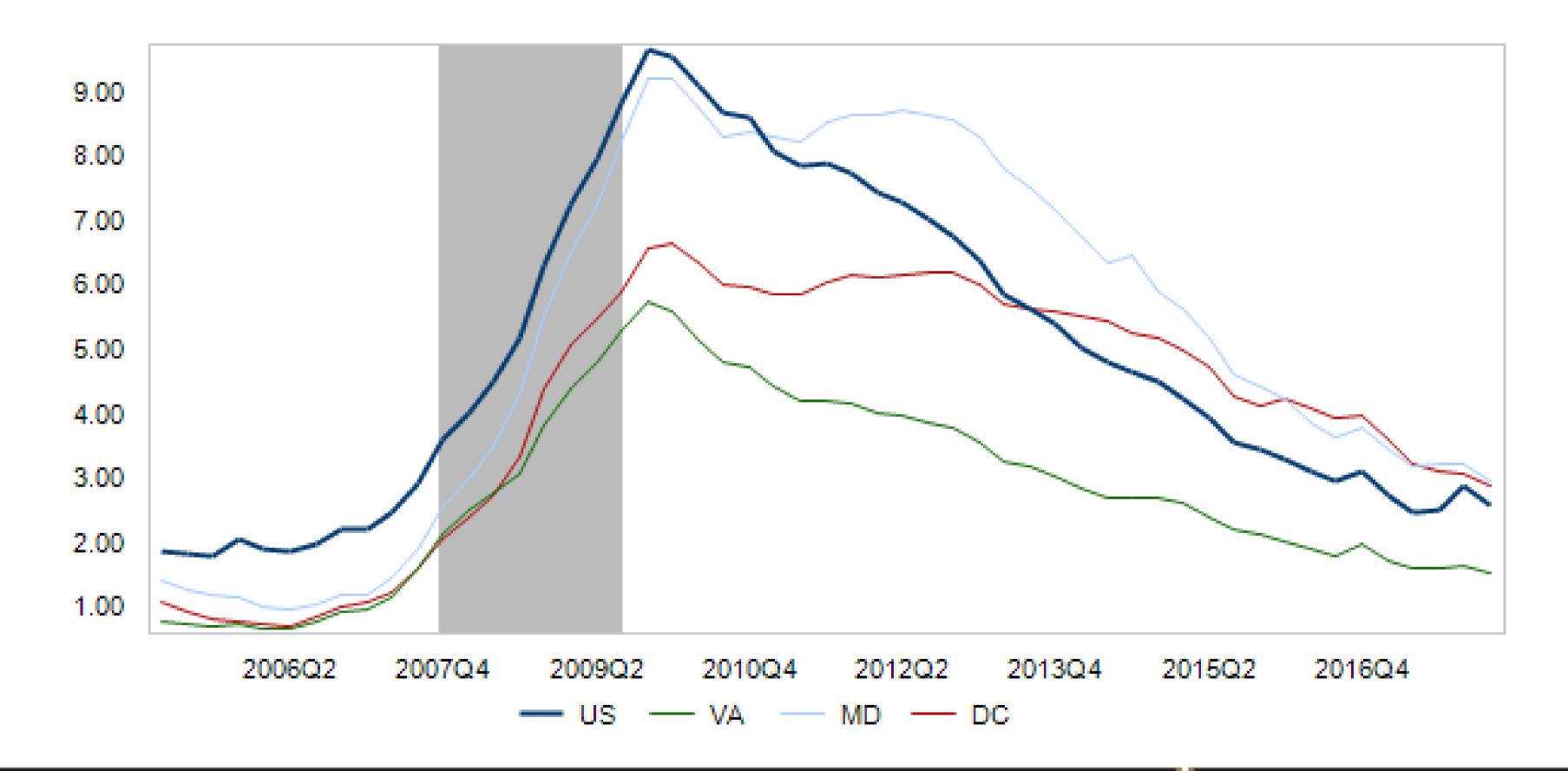


#### YoY Change in Purchase Applications by Loan Size Tranche for VA



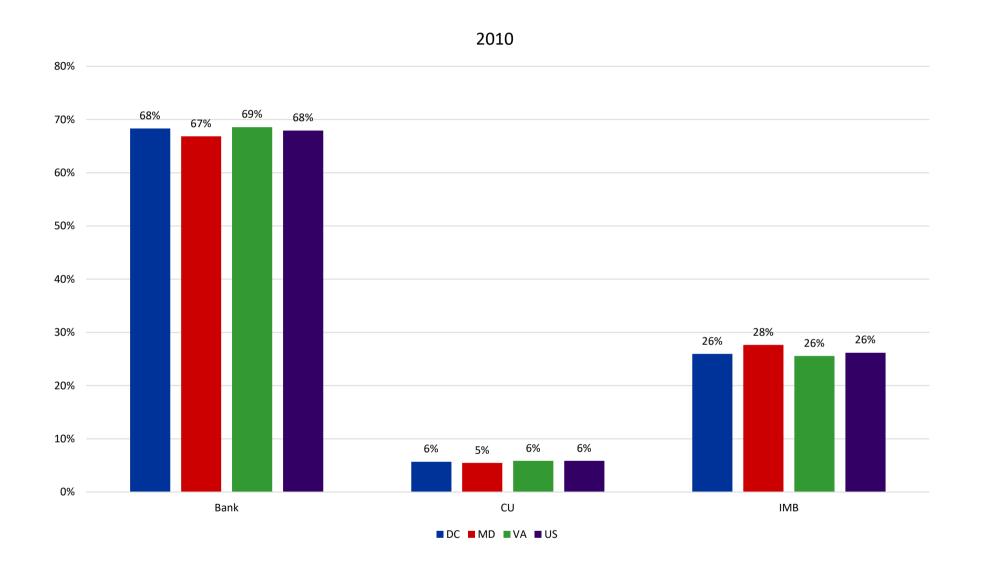


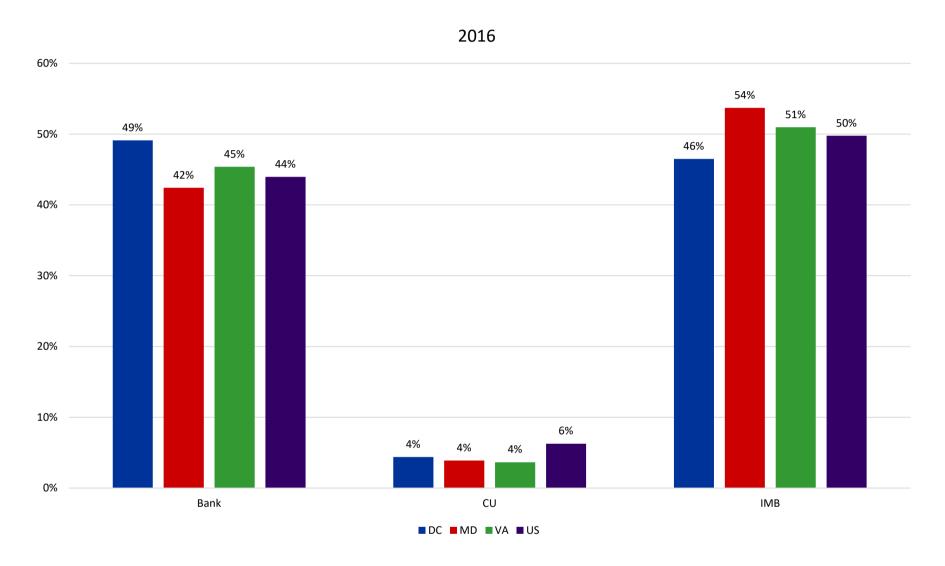
#### Seriously Delinquent Rate (%, NSA)





#### IMB Share: 2016 vs. 2010







#### **Product Mix**

	Composition					
	DC	MD	VA	US		
Conventional	68%	52%	52%	60%		
Conventional Jumbo Loan	22%	6%	5%	6%		
FHA	7%	28%	21%	22%		
USDA (FSA/RHS)	0 %	3%	3%	3%		
VA	4%	11%	19 %	9%		

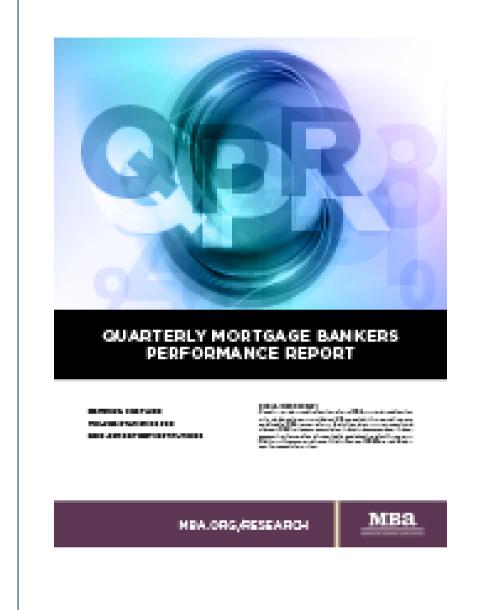


#### Industry Going Digital – Eventually "e"

- Drivers and obstacles
  - Lender cost pressures
  - Competitive pressures Consumer experience
  - Lender interest and capability
  - Technological challenges and opportunities
    - Information security/cyberthreats
- Successes
  - FHA eSignature Policy change
  - IRS eSignatures on the Tax Transcript Request
  - MISMO adoption
  - Automated verification of income, assets, and employment
- Still in Play
  - Ginnie Mae, warehouse lender, FHLB system acceptance of eNotes.
  - e/Remote Notarization consistency in laws and acceptability across state lines. MBA involved with many other trade groups and state lawmakers to create consistency
  - PIWs, AVMS, other valuation alternatives



#### **MBA Research Sign-Ups and Services**









Mba.org/Research





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#### **Contact Information and MBA Resources**

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