

### Alexandria Chamber

# Amazon & Other Factors Affecting the Washington Region's Economy

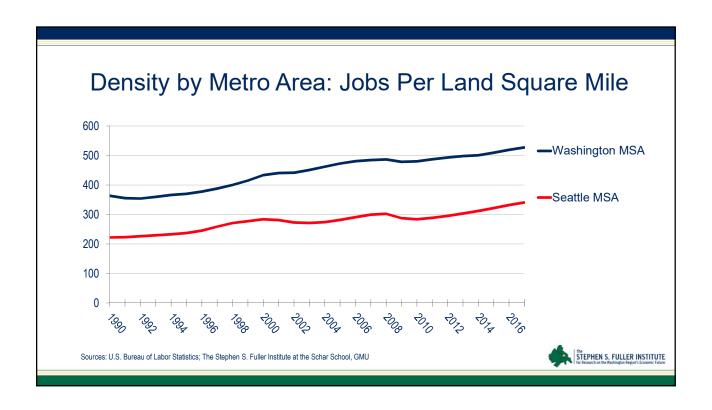
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December 3, 2019

Amazon in Arlington: Context



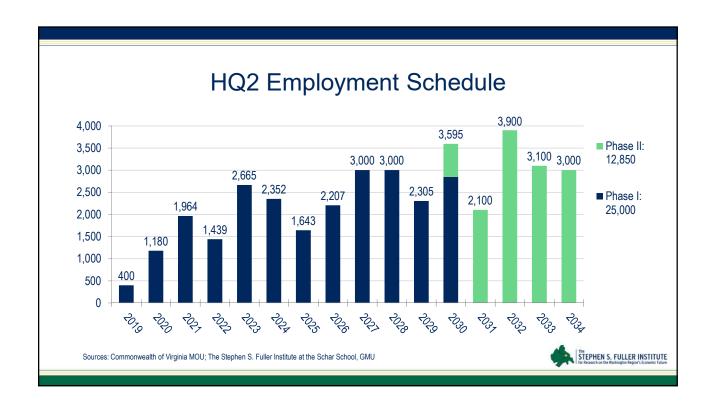


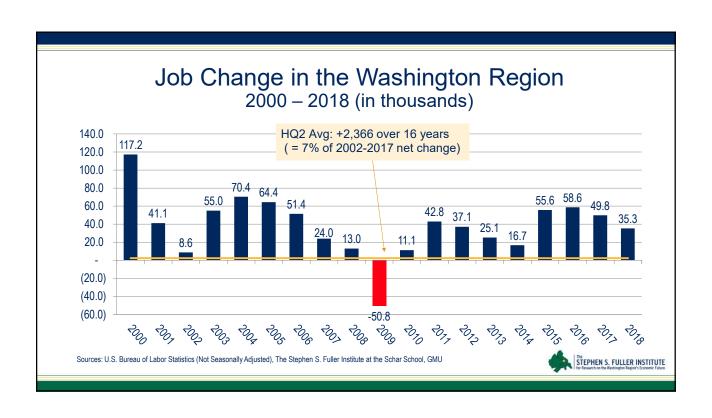
### Density: Arlington County vs. City of Seattle

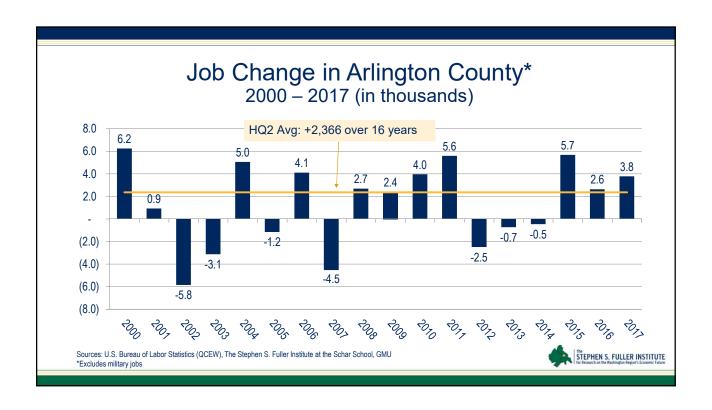
|                               | Arlington | Seattle | Arlington as a |
|-------------------------------|-----------|---------|----------------|
|                               | County    | City    | % of Seattle   |
| Sq. Mi.                       | 26        | 83      | 31%            |
|                               |           |         |                |
| Residents                     | 234,965   | 724,745 | 32%            |
| Per Sq. Mi.                   | 9,037     | 8,732   | 103%           |
|                               |           |         |                |
| Private Office Space (MMs SF) | 32        | 55      | 58%            |
| Per Sq. Mi.                   | 1.2       | 0.7     | 186%           |

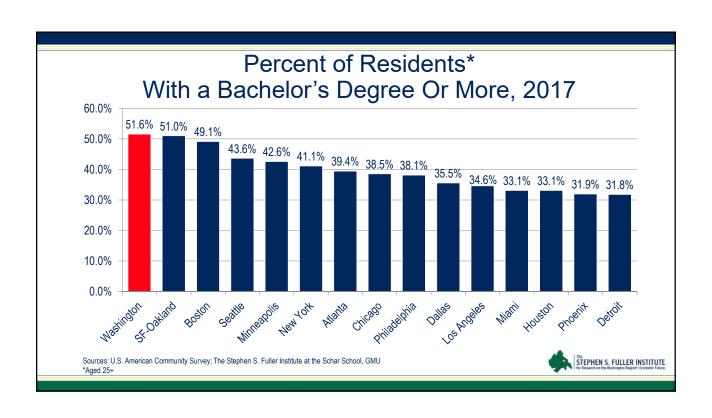
Sources: U.S. Census; Cushman & Wakefield; The Stephen S. Fuller Institute at the Schar School, GMU

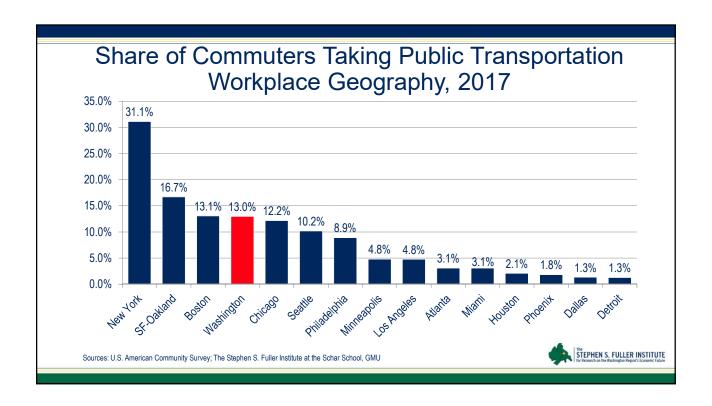


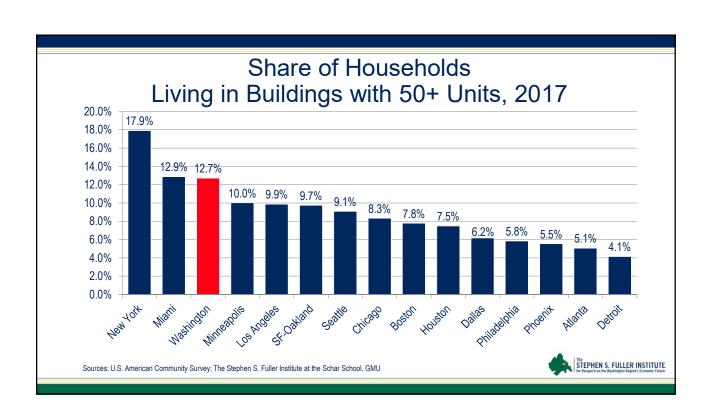


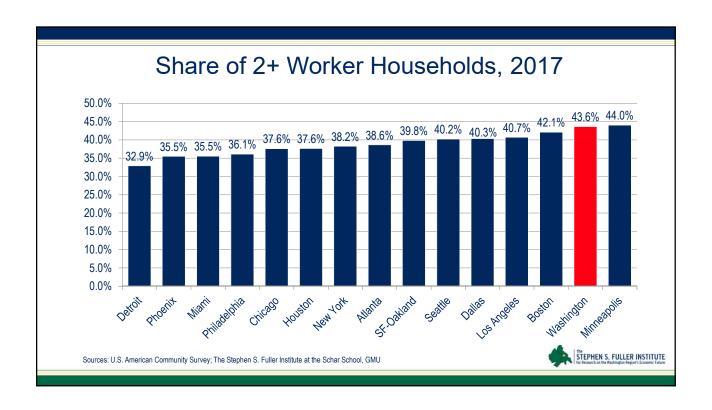


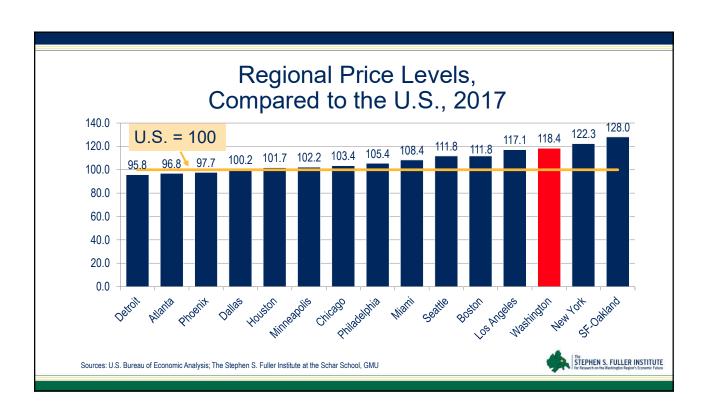






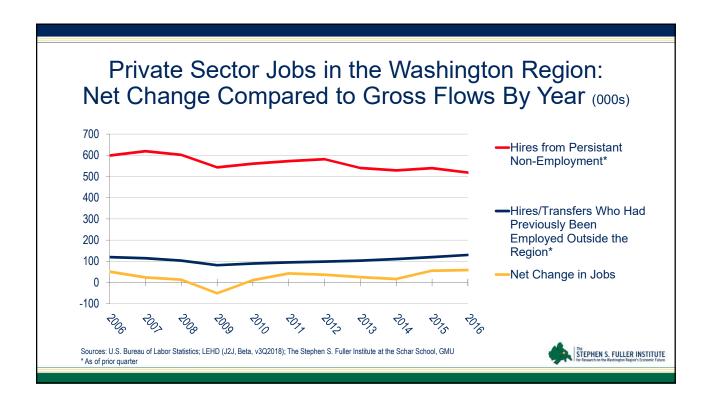


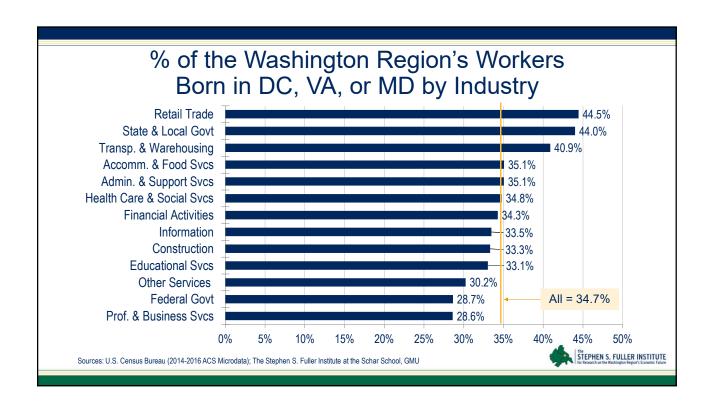


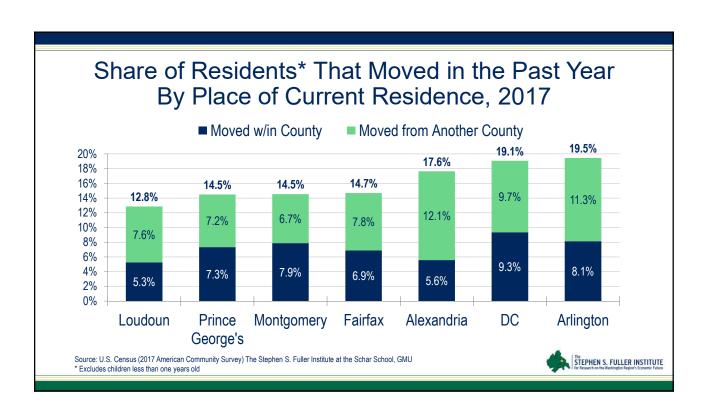


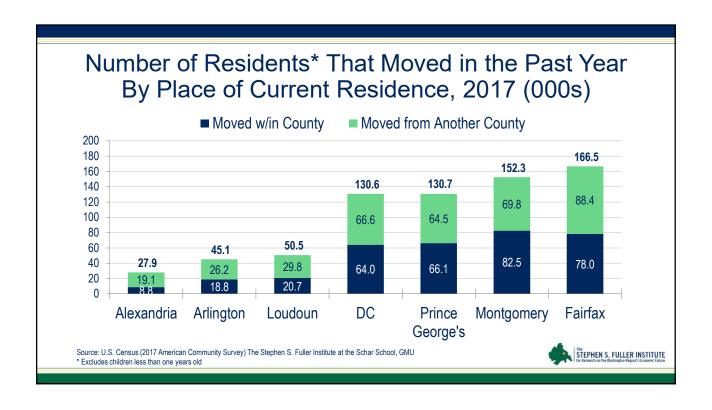
## Growth vs Change

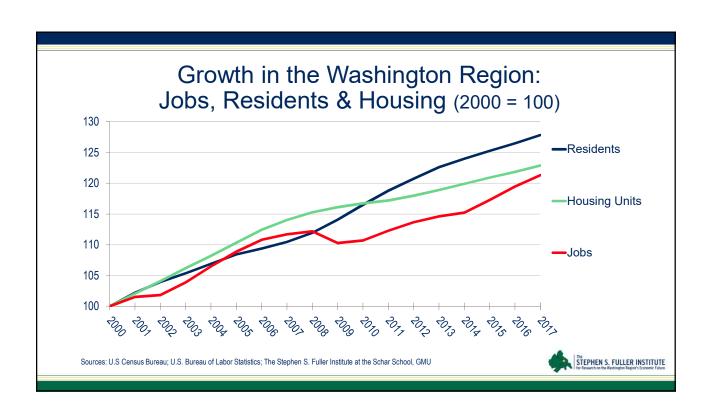


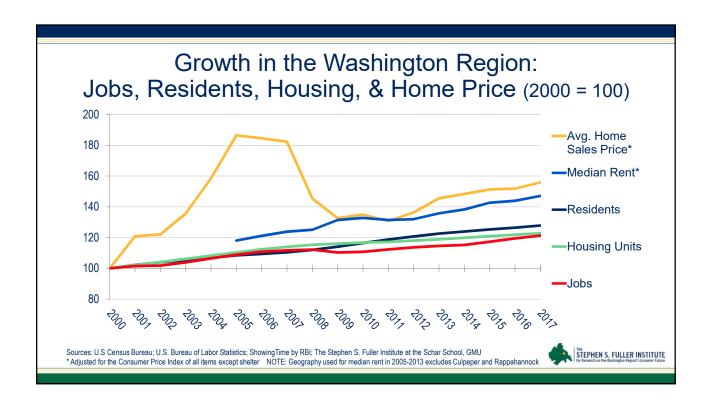


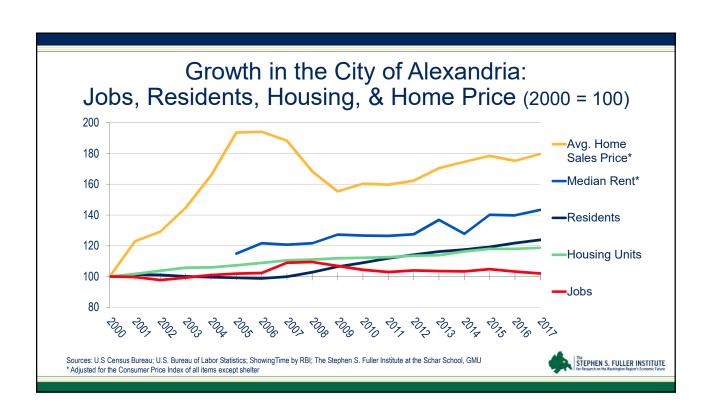












# Amazon: Forecasts of Housing Demand



#### Amazon-Related Household at Full Build-Out Assumes 37,850 HQ2 jobs

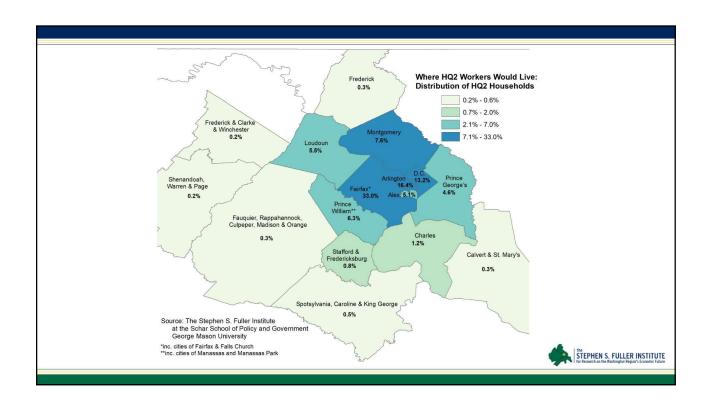
|                           | Household w/ an<br>HQ2 Job | Household w/ a Job Supported by HQ2 Spending (1) | Total  |
|---------------------------|----------------------------|--|--------|
| Arlington County, VA      | 6,097                      | 766  | 6,862  |
| Alexandria City, VA       | 1,890                      | 723  | 2,613  |
| Rest of Northern Virginia | 17,329                     | 13,381   | 30,709 |
| Rest of Virginia          | 642                        | 14,967   | 15,609 |
| D.C.                      | 4,909                      | 469  | 5,377  |
| Maryland                  | 6,047                      | 1,515  | 7,562  |
| Elsewhere                 | 363                        | 508  | 871    |
| Total (2)                 | 37,276                     | 32,328   | 69,604 |

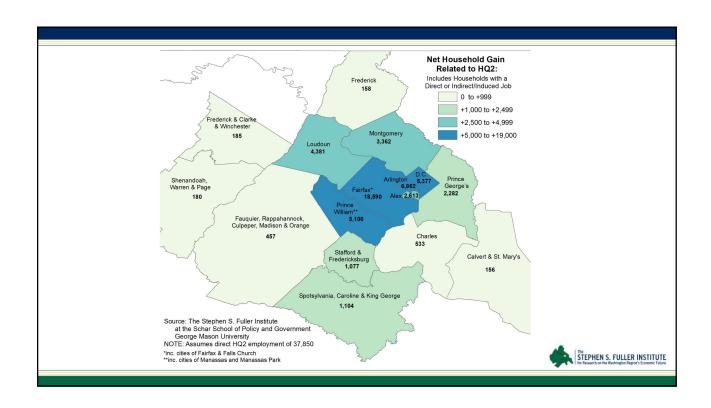
Source: The Stephen S. Fuller Institute at the Schar School, GMU

(1) Includes payroll and operations expenditures



<sup>(2)</sup> A small share of the workers holding H02-related jobs are anticipated to cohabitate either with another H02-related worker or become part of an existing household. Therefore, the number of households is projected to be fewer than the number of jobs. Only the indirect and induced jobs located in the Commonwealth were analyzed.





#### Amazon-Related Owners in Select Jurisdictions Assumes 37,850 HQ2 jobs, includes indirect & induced effects

|   | Owners at Full<br>Build-Out | Closed Sales in 2017 |
|---|-----------------------------|----------------------|
| \ r \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Bullu-Out                   | 111 2017             |
| Virginia                                |                             |                      |
| Arlington County                        | 2,071                       | 3,030                |
| Alexandria City                         | 1,085                       | 2,580                |
| Fairfax County*                         | 13,698                      | 16,300               |
| Prince William County**                 | 4,013                       | 8,330                |
| Loudoun County                          | 3,665                       | 6,630                |
| D.C.                                    | 2,410                       | 8,900                |
| Maryland                                |                             |                      |
| Montgomery County                       | 2,737                       | 12,430               |
| Prince George's County                  | 1,886                       | 10,230               |

Sources: RealEstate Business Intelligence, LLC; The Stephen S. Fuller Institute at the Schar School, GMU \*Includes the cities of Fairfax and Falls Church \*\*\* Includes the cities of Manassas and Manassas Park

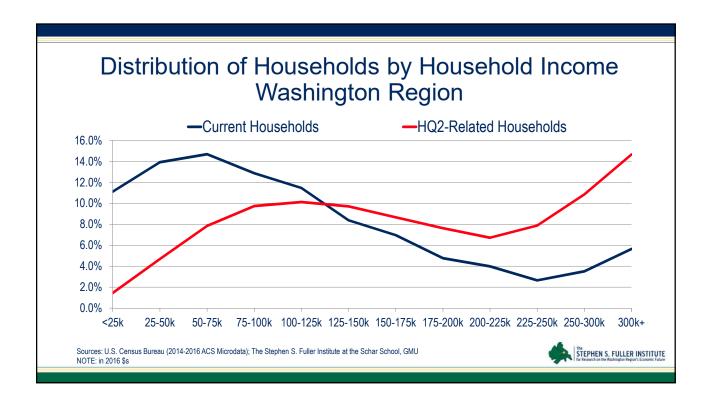


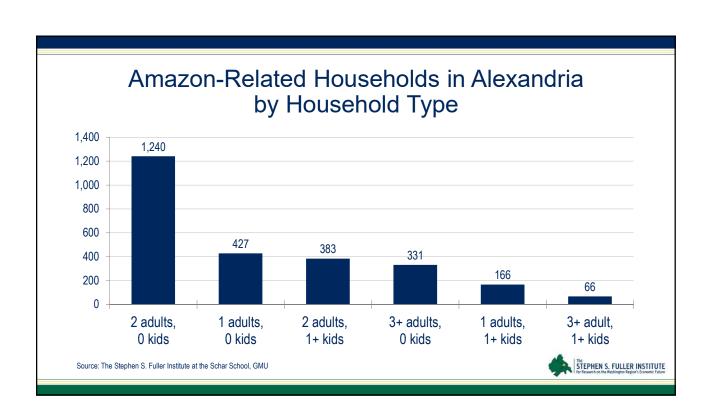
#### Amazon-Related Renters in Select Jurisdictions Assumes 37,850 HQ2 jobs, includes indirect & induced effects

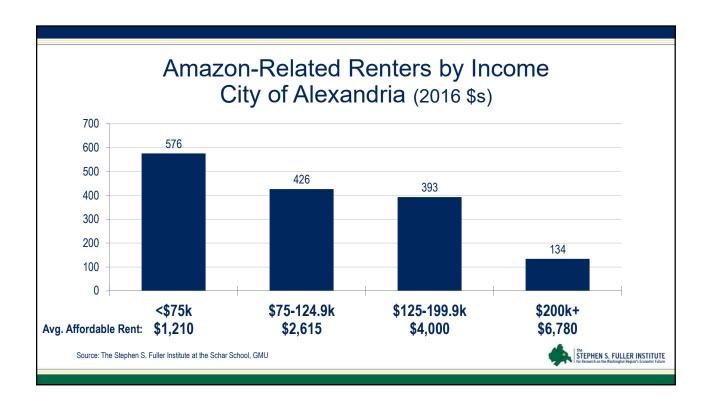
|                         | Renters at Full | Renters in | Total % Increase |
|-------------------------|-----------------|------------|------------------|
|                         | Build-Out       | 2016       | from 2016        |
| Virginia                |                 |            |                  |
| Arlington County        | 4,792           | 57,133     | 8.4%             |
| Alexandria City         | 1,528           | 41,808     | 3.7%             |
| Fairfax County*         | 4,893           | 134,425    | 3.6%             |
| Prince William County** | 1,087           | 49,891     | 2.2%             |
| Loudoun County          | 716             | 25,552     | 2.8%             |
| D.C.                    | 2,968           | 169,875    | 1.7%             |
| Maryland                |                 |            |                  |
| Montgomery County       | 625             | 132,098    | 0.5%             |
| Prince George's County  | 396             | 121,333    | 0.3%             |

Sources: U.S. Census Bureau (2016 ACS Microdata); The Stephen S. Fuller Institute at the Schar School, GMU \*Includes the cities of Fairfax and Falls Church \*\* Includes the cities of Manassas and Manassas Park

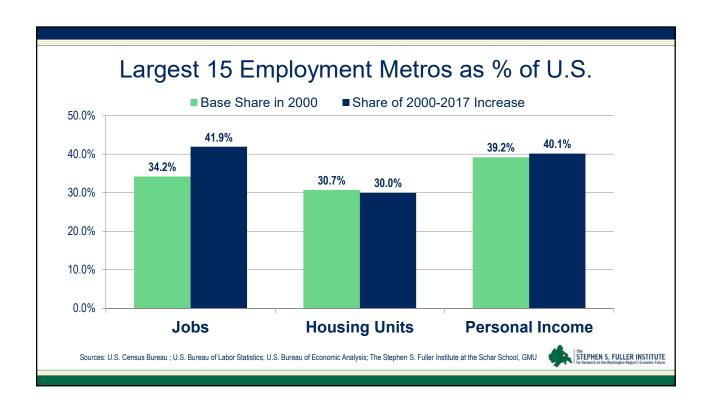


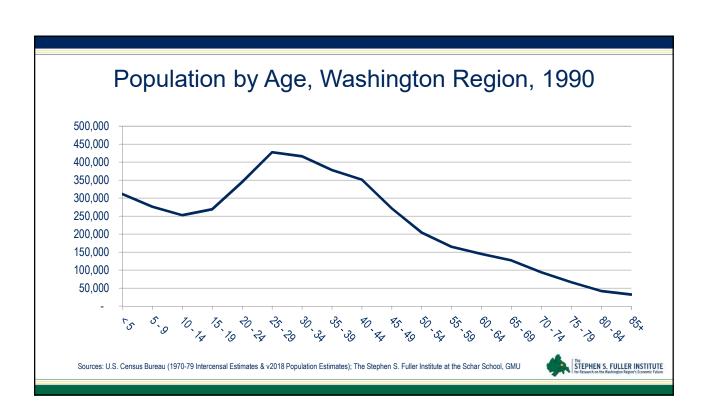


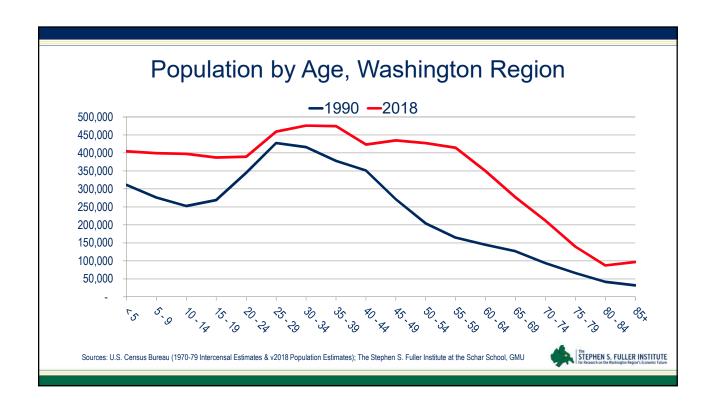


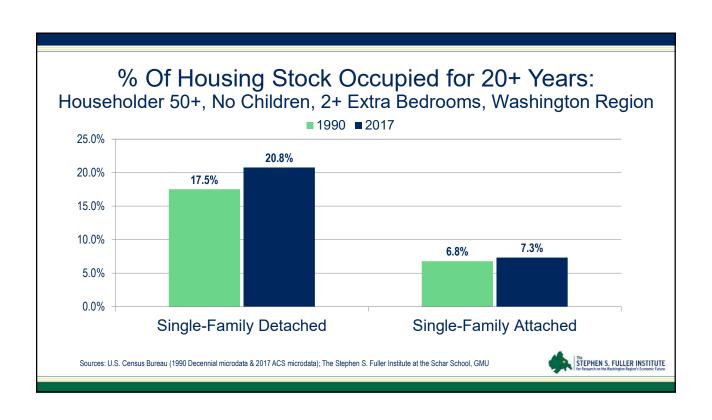


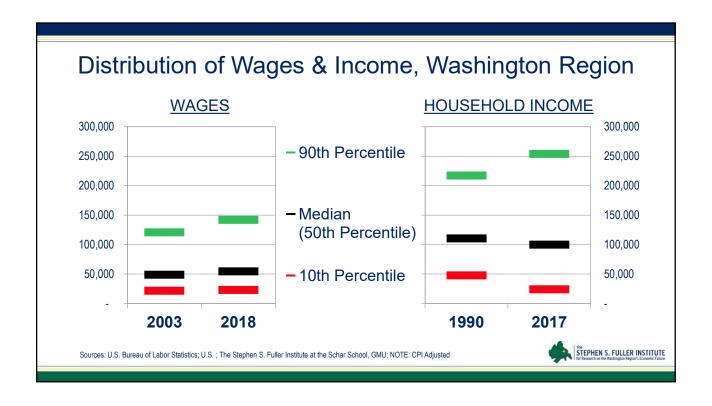






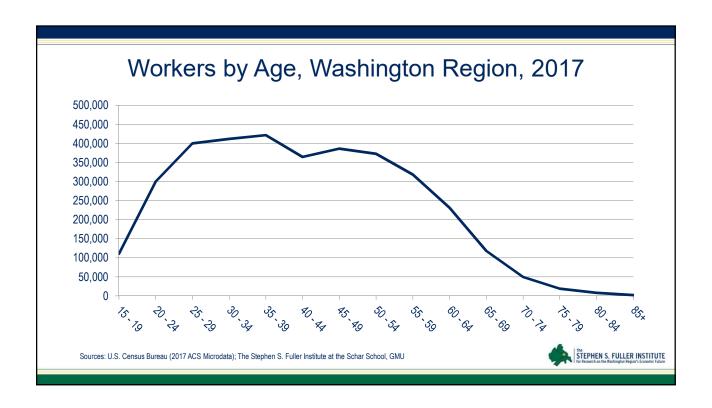


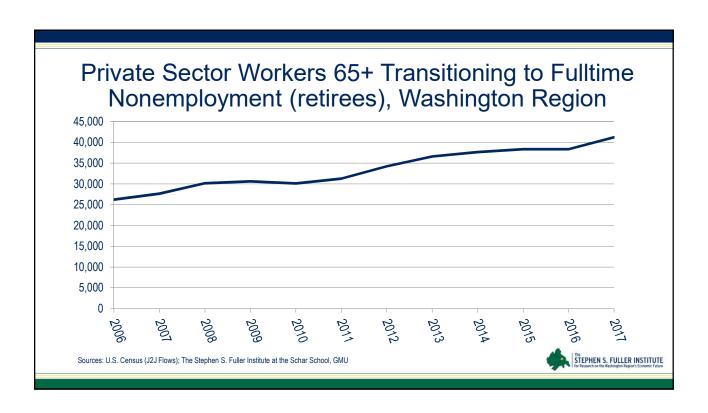


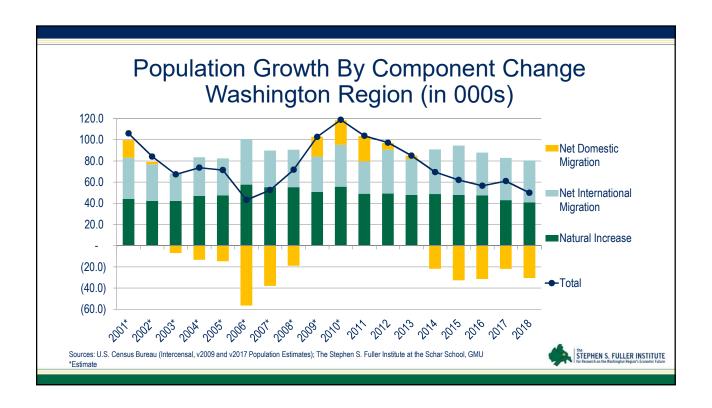


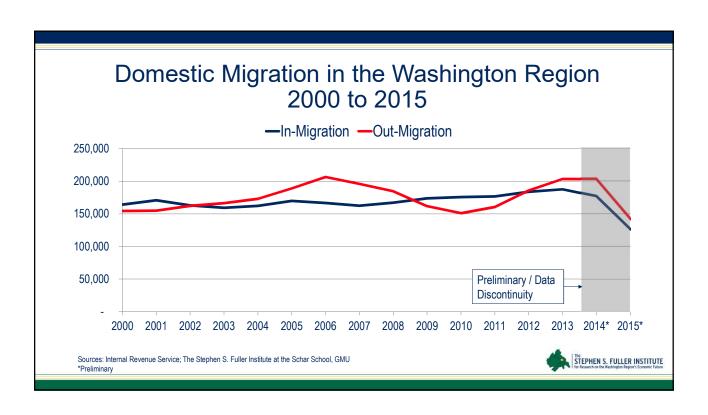
# **Key Changes Affecting Worker Retention**











## **Thank You**

For monthly reports on the Washington region's economic performance go to **sfullerinstitute.gmu.edu**\*\*To be a simple of the state of



