

AGC of Metropolitan DC

The Economic and Fiscal Impact of Amazon's HQ2 on Arlington County and the Commonwealth of Virginia Stephen S. Fuller, Ph.D.

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The Dimensions of Amazon's HQ2

<u>@ 25,000 Jobs</u> <u>@ 37,850 Jobs</u>

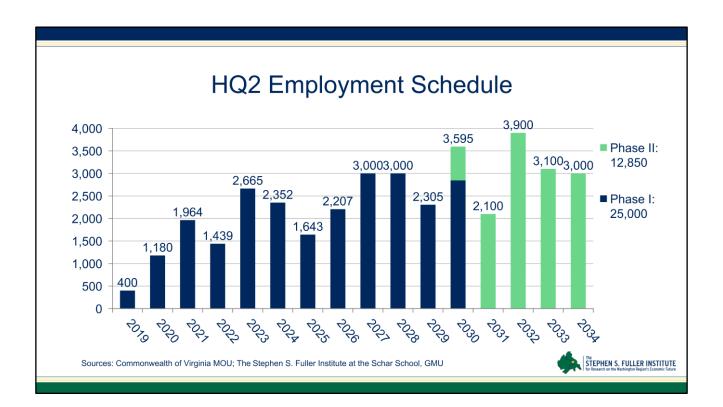
Office Space 4 million sf 6 million sf

Construction \$* \$2.74 billion \$4.1 billion

Payroll \$3.75 billion \$5.7 billion

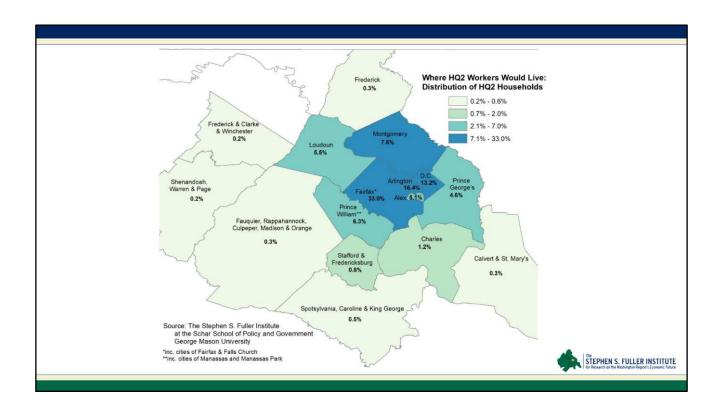
Sources: VEDP, The Stephen S. Fuller Institute at the Schar School, GMU *includes soft, hard, site and tenant improvements in average current year \$s

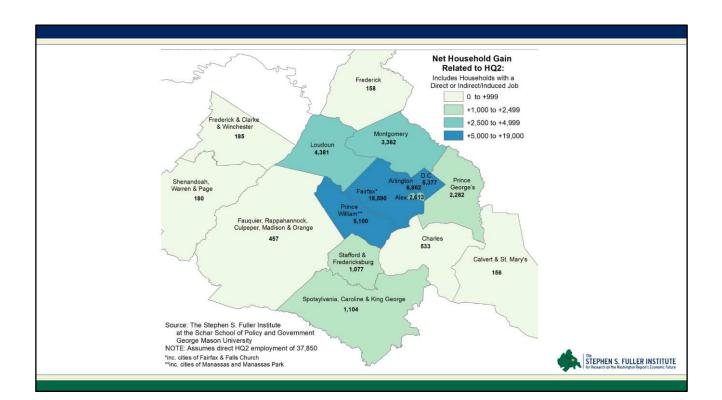




Where Will Amazon's HQ2 Workforce Live?







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

	Household w/ an HQ2 Job	Households w/ a Job Supported by HQ2 Spending (1)	Total
Arlington County, VA	6,097	766	6,862
Rest of Northern Virginia	19,219	14,104	33,323
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

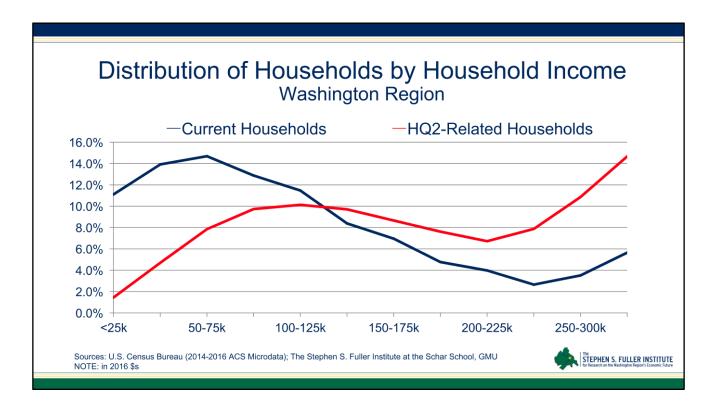
⁽²⁾ A small share of the workers holding HQ2-related jobs are anticipated to cohabitate either with another HQ2-related worker or become part of an existing household. Therefore, the number of households is projected to be fewer than the number of jobs. Only the indirect and induced jobs located in the Commonwealth were analyzed.

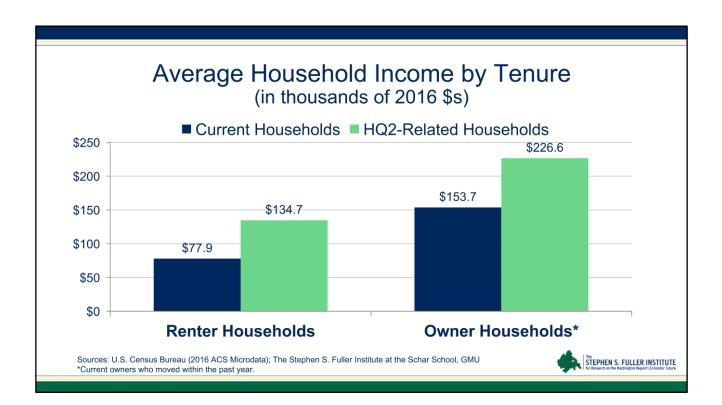


⁽¹⁾ Includes payroll and operations expenditures

The Impacts of Amazon's HQ2 on the Housing Market







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

	Owners at Full	Closed Sales
	Build-Out	in 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 Build-Out	Renters in 2016	Total % Increase from 2016
4,792	57,133	8.4%
1,528	41,808	3.7%
4,893	134,425	3.6%
1,087	49,891	2.2%
716	25,552	2.8%
2,968	169,875	1.7%
625	132,098	0.5%
396	121,333	0.3%
	4,792 1,528 4,893 1,087 716 2,968 625 396	Build-Out 2016 4,792 57,133 1,528 41,808 4,893 134,425 1,087 49,891 716 25,552 2,968 169,875 625 132,098

The Economic Impacts of Amazon's HQ2



The Economic Impacts of Amazon's HQ2: Construction Outlays

Arlington County Commonwealth of VA

Construction \$s

 Direct Outlays
 \$2.7 - \$4.1 billion
 \$2.7 - \$4.1 billion

 Total Output*
 \$3.2 - \$4.8 billion
 \$5.3 - \$8.0 billion

 Personal Income
 \$260 - \$390 m
 \$1.7 - \$2.5 billion

 Jobs Supported
 2,500-3,800
 25,000-37,600

Sources: VEDP, The Stephen S. Fuller Institute at the Schar School, GMU *reflect County and VA multipliers of 1.183 and 1.952 respectively



The Economic Impacts of Amazon's HQ2: Post-Construction Outlays

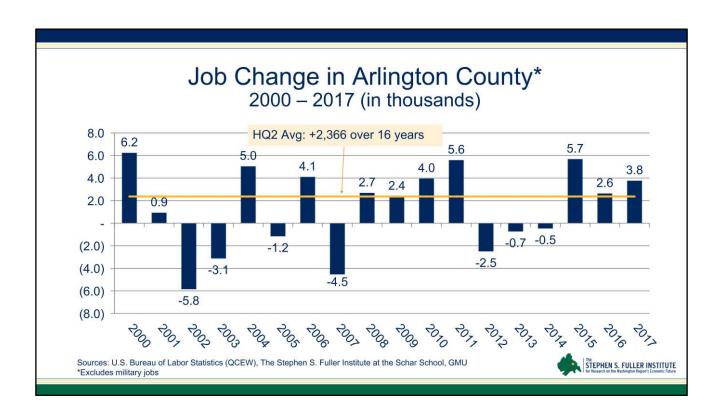
Arlington County Commonwealth of VA

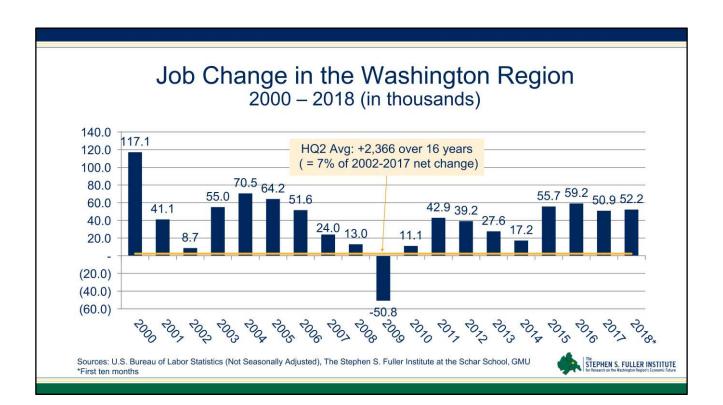
Post-Construction \$s

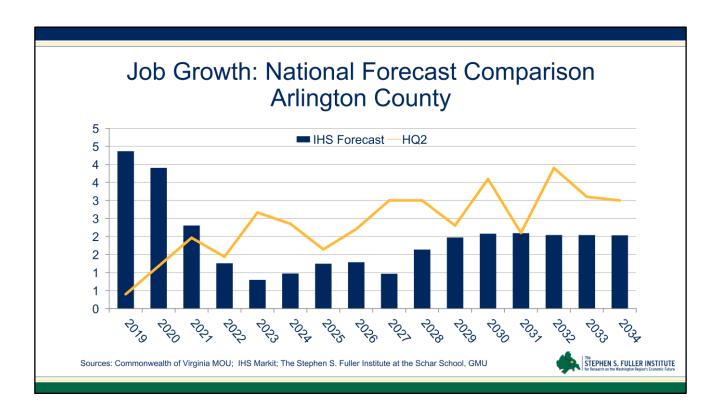
Direct Outlays	\$1.3 – \$2.0 b	\$2.5 - \$3.8 billion
Total Output*	\$1.7 – \$2.5 b	\$4.9 - 7.3 billion
Personal Income	\$124 -\$186 m	\$1.5 - \$2.3 billion
Jobs Supported	1,150 – 1,735	22,160 - 33,240

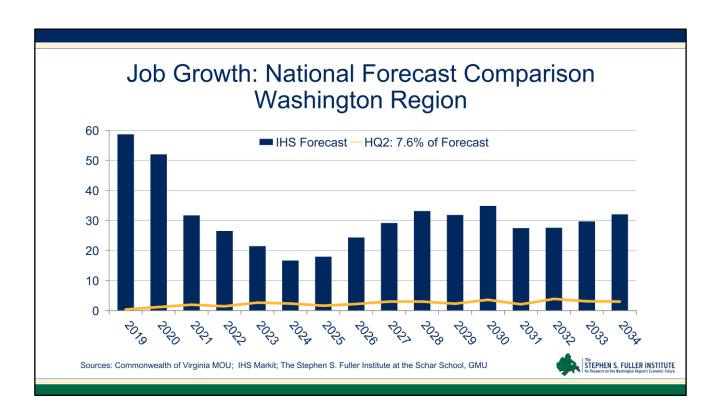
Sources: VEDP, The Stephen S. Fuller Institute at the Schar School, GMU * reflects Arlington and VA multipliers of 1.1.273 and 1.935 respectively











The Fiscal Impacts of Amazon's HQ2



The Net Annual Fiscal Benefits of Amazon's HQ2 (in 2017 dollars)

@ 25,000 Jobs @ 37,850 Jobs

Arlington County \$26.4 million \$39.6 million

Commonwealth of Virginia* \$162 million \$243 million

Sources: VEDP, The Stephen S. Fuller Institute at the Schar School, GMU *individual income and sales and use taxes = 81.3% of total state revenues.



Thank You & Questions

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