

# *UPDATE TO THE EMPLOYMENT BASELINE GUIDANCE MEMO*

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## **Consistent Employment Baseline**

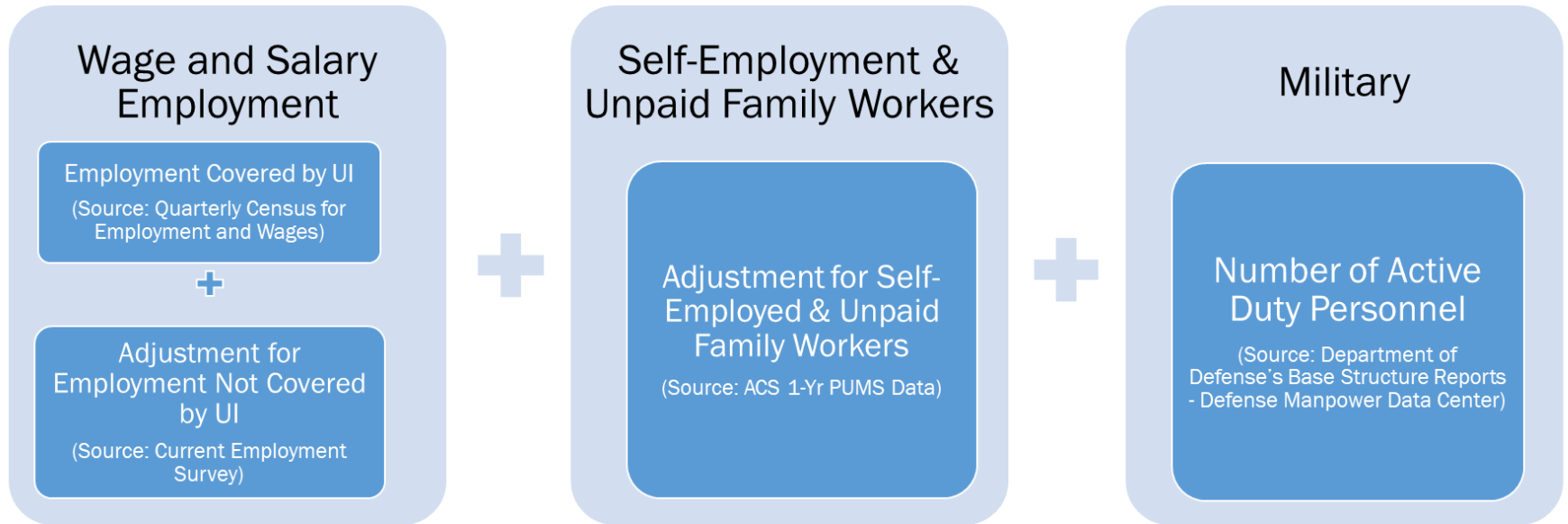
Greg Goodwin, Regional Planner, COG/DCPS Staff

Cooperative Forecasting and Data Subcommittee  
June 13, 2023



Metropolitan Washington  
**Council of Governments**

# Suggested Approach



*Note: This approach is tailored for jurisdictions where estimates from the Bureau of Labor Statistics (BLS) Quarterly Census of Employment and Wages (QCEW) are available. While the QCEW is published for independent cities in Virginia, **this data is not available for cities in Maryland**. These jurisdictions should work with their surrounding county and use other existing resources to develop baseline employment estimates.*



# Wage and Salary Employment

## *Employment Covered by Unemployment Insurance / Quarterly Census of Employment and Wages (QCEW)*

Jurisdiction	2021 (Thousands)
District of Columbia	725.83
Arlington County	172.23
Alexandria City	84.08
Montgomery County	446.52
Prince George's County	301.01
Fairfax County	607.24
City of Fairfax	18.86
City of Falls Church	11.44
Loudoun County	172.48
Prince William County	130.08
City of Manassas	23.19
City of Manassas Park	3.97
Charles County	39.24
Frederick County	99.68
<b>Region</b>	<b>2,836.78</b>

- A quarterly count of employment and wages of establishments which report to the UI programs of the United States
- ~95% of wage and salary civilian employment

# Wage and Salary Employment

## Employment Not Covered by Unemployment Insurance / Current Employment Statistics (CES) - Adjustment Factor

Jurisdiction	CES State or Metro Area	2021 QCEW (Thousands)	2021 CES (Thousands)	2021 Adjustment factor
District of Columbia	District of Columbia	725.83	743.10	1.02
Montgomery, Frederick	43524-Silver Spring-Frederick-Rockville, MD Metropolitan Division	546.21	574.80	1.05
Calvert, Charles, Prince George's	94781-Calvert County, Charles County, Prince George's County	362.56	396.30	1.09
Arlington, Clarke, Fairfax, Fauquier, Loudoun, Prince William, Spotsylvania, Stafford, Warren, City of Alexandria, City of Fairfax, City of Falls Church, City of Fredericksburg, City of Manassas, City of Manassas Park, Jefferson County, WV	47894-Washington-Arlington-Alexandria, DC-VA-MD-WV Metropolitan Division <b>minus sum</b> (District of Columbia <b>and</b> 94781-Calvert County, Charles County, Prince George's County)	1,381.98	1,499.90	1.09
<b>Region</b>		<b>3,016.58</b>	<b>3,214.10</b>	<b>1.07</b>

- Annual benchmark: (1) realign the sample-based employment totals with the unemployment insurance based counts, and (2) account for wage and salary civilian employment not covered by unemployment insurance
- Examples: employees of religious organizations, railroad workers...



# Self-Employment and Unpaid Family Workers

Adjustment for Self-Employed & Unpaid Family Workers / 2021 American Community Survey (ACS 1-Yr PUMS Data)

Jurisdiction	Wage and Salary Employment (Thousands)	Self-Employed Not Incorporated & Unpaid Family (Thousands)	Total Workers (Thousands)	Self-Employment Factor
District of Columbia	585.58	27.02	609.48	1.04
Arlington County	168.32	6.75	176.89	1.05
City of Alexandria	97.63	5.73	102.58	1.05
Montgomery County	491.74	33.74	525.38	1.07
Prince George's County	374.49	17.55	390.21	1.04
Fairfax County / City of Fairfax / City of Falls Church	664.84	32.73	703.46	1.06
Loudoun County	225.93	13.27	235.51	1.04
Prince William County / City of Manassas / City of Manassas Park	202.38	12.11	212.83	1.05
Charles County	49.38	1.68	51.83	1.05
Frederick County	127.33	7.82	134.41	1.06
<b>Region</b>	<b>2,987.60</b>	<b>158.38</b>	<b>3,142.57</b>	<b>1.05</b>

ACS provides data on the class of worker including wage and salary, self-employed not incorporated, and unpaid family worker.

# Military

## Number of Active-Duty Personnel / Local Base Data and Department of Defense's Base Structure Reports – Defense Manpower Data Center

Jurisdiction	2019 (Thousands)	2020 (Thousands)	2021 (Thousands)
District of Columbia	8.25	8.25	10.93
Arlington County	9.92	9.92	9.92
City of Alexandria	0.00	0.00	0.00
Montgomery County	4.29	4.29	4.29
Prince George's County	6.10	6.10	6.10
Fairfax County	4.47	4.47	4.47
City of Fairfax	0.00	0.00	0.00
City of Falls Church	0.00	0.00	0.00
Loudoun County	0.00	0.00	0.00
Prince William County	3.23	3.23	3.23
City of Manassas	0.00	0.00	0.00
City of Manassas Park	0.00	0.00	0.00
Charles County	0.55	0.55	0.62
Frederick County	0.95	0.95	0.95
<b>Region</b>	<b>37.76</b>	<b>37.76</b>	<b>40.51</b>

Source: COG, Local Base Data when available, and DOD Base Structure Report



# 2021 Total Employment

Jurisdiction	QCEW (Thousands)	CES Adjustment Factor	Self-Employment Adjustment Factor	Military Employment (Thousands)	Baseline Employment (Thousands)
District of Columbia	725.83	1.02	1.04	10.93	779.73
Arlington County	172.23	1.09	1.05	9.92	202.43
City of Alexandria	84.08	1.09	1.05	0.00	94.89
Montgomery County	446.52	1.04	1.07	4.29	505.53
Prince George's County	301.91	1.09	1.04	6.10	355.75
Fairfax County	607.24	1.09	1.06	4.47	699.47
City of Fairfax	18.86	1.09	1.06	0.00	21.59
City of Falls Church	11.44	1.09	1.06	0.00	12.88
Loudoun County	172.48	1.09	1.04	0.00	198.61
Prince William County	130.08	1.09	1.05	3.23	154.28
City of Manassas	23.19	1.09	1.05	0.00	26.93
City of Manassas Park	3.97	1.09	1.05	0.00	4.61
Charles County	39.24	1.09	1.05	0.62	46.21
Frederick County	99.68	1.05	1.06	0.95	112.61
<b>Region</b>	<b>2,836.78</b>	<b>1.07</b>	<b>1.05</b>	<b>40.51</b>	<b>3,215.52</b>

# Suggested Baseline Employment Estimates

Jurisdiction	2010	2015	2017	2018	2019	2020	2021
District of Columbia	756.02	802.93	819.48	832.98	833.02	779.74	779.73
Arlington County	184.12	197.27	204.98	210.88	211.54	204.02	202.43
City of Alexandria	105.63	106.77	105.75	105.03	101.59	94.29	94.89
Montgomery County	495.32	515.93	526.23	525.37	530.31	494.21	505.53
Prince George's County	345.41	350.91	369.17	372.59	375.50	347.20	355.75
Fairfax County	636.60	651.45	677.63	694.62	709.54	678.65	699.47
City of Fairfax	21.83	21.58	21.48	22.16	22.28	20.54	21.59
City of Falls Church	13.61	12.73	13.54	13.99	13.88	12.42	12.88
Loudoun County	145.32	170.48	184.07	190.05	200.07	189.35	198.61
Prince William County	120.33	138.97	145.56	149.99	156.42	148.05	154.28
City of Manassas	26.07	25.12	25.01	25.07	26.68	25.91	26.93
City of Manassas Park	3.10	3.29	3.92	4.11	4.30	4.32	4.61
Charles County	45.31	48.97	48.10	47.83	48.30	45.06	46.21
Frederick County	102.24	107.72	111.62	114.40	117.78	108.89	112.61
<b>Region</b>	<b>3,000.90</b>	<b>3,154.13</b>	<b>3,256.53</b>	<b>3,309.06</b>	<b>3,351.22</b>	<b>3,152.66</b>	<b>3,215.52</b>





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# Closer look at 2022 ...

Preliminary QCEW Data for 2022 is available 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> Quarters

Jurisdiction	Jan-22	Feb-22	1st Qtr. Mar-22 Average	Apr-22	May-22	2nd Qtr. Jun-22 Average	Jul-22	Aug-22	3rd Qtr. Sep-22 Average	Oct-22	Nov-22	4th Qtr. Dec-22 Average	2022 Annual				
District of Columbia	737,366	743,659	748,240	<b>743,088</b>	750,202	749,346	749,338	<b>749,629</b>	755,624	751,724	756,603	<b>754,650</b>	757,605	760,023	757,679	<b>758,436</b>	751,622
Arlington County	169,974	171,316	171,299	<b>170,863</b>	172,550	172,930	174,202	<b>173,227</b>	176,737	176,967	176,029	<b>176,578</b>	176,195	176,739	176,701	<b>176,545</b>	174,303
City of Alexandria	83,836	84,323	84,714	<b>84,291</b>	85,862	86,319	84,997	<b>85,726</b>	854,444	84,743	83,908	<b>341,032</b>	84,030	83,805	82,866	<b>83,567</b>	84,571
Montgomery County	446,352	451,003	450,808	<b>449,388</b>	455,413	457,640	457,341	<b>456,798</b>	454,311	449,205	458,597	<b>454,038</b>	460,076	461,131	459,408	<b>460,205</b>	455,107
Prince George's County	302,932	306,096	303,756	<b>304,261</b>	312,244	312,829	313,142	<b>312,738</b>	317,832	315,621	315,587	<b>316,347</b>	312,918	314,105	314,863	<b>313,962</b>	311,827
Fairfax County	604,904	610,442	611,143	<b>608,830</b>	616,061	618,720	623,654	<b>619,478</b>	620,989	628,449	623,485	<b>624,308</b>	626,402	630,424	627,926	<b>628,251</b>	620,217
City of Fairfax	21,150	21,501	21,525	<b>21,392</b>	21,725	21,692	21,697	<b>21,705</b>	21,954	21,906	21,648	<b>21,836</b>	21,909	22,007	21,981	<b>21,966</b>	21,725
City of Falls Church	11,221	11,368	11,422	<b>11,337</b>	11,606	11,635	11,648	<b>11,630</b>	11,653	11,622	11,462	<b>11,579</b>	11,592	11,679	11,536	<b>11,602</b>	11,537
Loudoun County	174,107	174,696	175,164	<b>174,656</b>	178,403	180,457	181,894	<b>180,251</b>	183,729	184,165	181,564	<b>183,153</b>	183,395	184,703	183,909	<b>184,002</b>	180,516
Prince William County	128,664	130,763	131,319	<b>132,860</b>	132,865	134,858	135,582	<b>134,435</b>	135,396	135,031	134,994	<b>135,140</b>	134,642	135,363	135,050	<b>135,018</b>	133,711
City of Manassas	23,459	23,699	23,666	<b>23,608</b>	23,670	23,825	23,778	<b>23,758</b>	23,942	23,922	23,955	<b>23,940</b>	23,988	24,299	23,919	<b>24,069</b>	23,844
City of Manassas Park	4,241	4,363	4,388	<b>4,331</b>	4,378	4,513	4,579	<b>4,490</b>	4,572	4,418	4,357	<b>4,449</b>	4,317	4,407	4,333	<b>4,352</b>	4,406
Charles County	39,569	39,910	40,209	<b>39,896</b>	40,164	40,382	40,619	<b>40,388</b>	40,961	40,374	40,406	<b>40,580</b>	40,494	40,704	41,402	<b>40,867</b>	40,433
Frederick County	100,294	101,349	101,467	<b>101,037</b>	102,276	102,976	103,328	<b>102,860</b>	100,289	100,846	104,675	<b>101,937</b>	105,406	105,426	105,150	<b>105,327</b>	102,790
<b>COG Region</b>	<b>2,848,069</b>	<b>2,874,488</b>	<b>2,879,120</b>	<b>2,869,837</b>	<b>2,907,419</b>	<b>2,918,122</b>	<b>2,925,799</b>	<b>2,917,113</b>	<b>3,702,433</b>	<b>2,928,993</b>	<b>2,937,270</b>	<b>3,189,565</b>	<b>2,942,969</b>	<b>2,954,815</b>	<b>2,946,723</b>	<b>2,948,169</b>	<b>2,916,609</b>



# Closer look at 2022 ...

Jurisdiction	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2022 Annual
District of Columbia	743,088	749,629	754,650	758,436	751,622
Arlington County	170,863	173,227	176,578	176,545	174,303
City of Alexandria	84,291	85,726	341,032	83,567	84,571
Montgomery County	449,388	456,798	454,038	460,205	455,107
Prince George's County	304,261	312,738	316,347	313,962	311,827
Fairfax County	608,830	619,478	624,308	628,251	620,217
City of Fairfax	21,392	21,705	21,836	21,966	21,725
City of Falls Church	11,337	11,630	11,579	11,602	11,537
Loudoun County	174,656	180,251	183,153	184,002	180,516
Prince William County	132,860	134,435	135,140	135,018	133,711
City of Manassas	23,608	23,758	23,940	24,069	23,844
City of Manassas Park	4,331	4,490	4,449	4,352	4,406
Charles County	39,896	40,388	40,580	40,867	40,433
Frederick County	101,037	102,860	101,937	105,327	102,790
<b>COG Region</b>	<b>2,869,837</b>	<b>2,917,113</b>	<b>3,189,565</b>	<b>2,948,169</b>	<b>2,916,609</b>