

UPDATE TO THE EMPLOYMENT BASELINE GUIDANCE MEMO

Consistent Employment Baseline

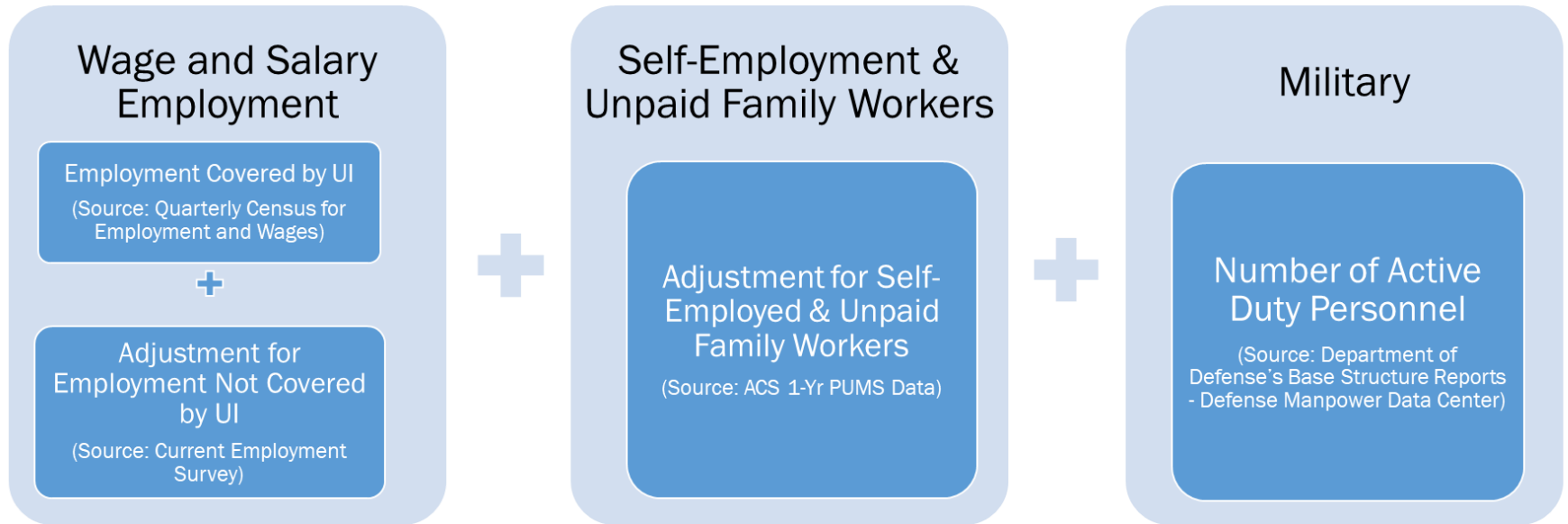
DCPS Staff

Cooperative Forecasting and Data Subcommittee
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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	2020 (Thousands)
District of Columbia	726.08
Arlington County	174.42
Alexandria City	83.92
Montgomery County	439.26
Prince George's County	295.52
Fairfax County	591.64
City of Fairfax	18.02
City of Falls Church	10.90
Loudoun County	165.17
Prince William County	125.25
City of Manassas	22.41
City of Manassas Park	3.74
Charles County	38.44
Frederick County	96.98
Region	2,791.75

- 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	2020 QCEW (Thousands)	2020 CES (Thousands)	2020 Adjustment factor
District of Columbia	District of Columbia	726.08	747.20	1.03
Montgomery, Frederick	43524-Silver Spring-Frederick-Rockville, MD Metropolitan Division	536.24	559.90	1.04
Calvert, Charles, Prince George's	94781-Calvert County, Charles County, Prince George's County	354.78	385.00	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 minus sum (District of Columbia and 94781-Calvert County, Charles County, Prince George's County)	1,348.53	1,458.80	1.08
Region		2,965.64	3,150.90	1.06

- 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 / 2020 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	663.21	27.02	690.23	1.04
Arlington County	180.58	6.75	187.33	1.04
City of Alexandria	94.34	5.73	100.06	1.06
Montgomery County	472.07	33.74	505.81	1.07
Prince George's County	337.19	17.55	354.73	1.05
Fairfax County / City of Fairfax / City of Falls Church	653.08	32.73	685.81	1.05
Loudoun County	205.02	13.27	218.29	1.06
Prince William County / City of Manassas / City of Manassas Park	178.50	12.11	190.60	1.07
Charles County	43.47	1.68	45.14	1.04
Frederick County	112.48	7.82	120.30	1.07
Region	2,939.92	158.38	3,098.30	1.05

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	2018 (Thousands)	2019 (Thousands)	2020 (Thousands)
District of Columbia	9.93	8.25	8.25
Arlington County	12.13	9.92	9.92
City of Alexandria	0.02	0.00	0.00
Montgomery County	4.29	4.29	4.29
Prince George's County	5.68	6.10	6.10
Fairfax County	6.12	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	3.50	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	0.74	0.55	0.55
Frederick County	0.95	0.95	0.95
Region	43.36	37.76	37.76

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



2020 Total Employment

Jurisdiction	QCEW (Thousands)	CES Adjustment Factor	Self-Employment Adjustment Factor	Military Employment (Thousands)	Baseline Employment (Thousands)
District of Columbia	726.08	1.03	1.04	8.25	785.89
Arlington County	174.42	1.08	1.04	9.92	205.66
City of Alexandria	83.92	1.08	1.06	0.00	96.29
Montgomery County	439.26	1.04	1.07	4.29	495.71
Prince George's County	295.52	1.09	1.05	6.10	343.47
Fairfax County	591.64	1.08	1.05	4.47	676.57
City of Fairfax	18.02	1.08	1.05	0.00	20.48
City of Falls Church	10.90	1.08	1.05	0.00	12.38
Loudoun County	165.17	1.08	1.06	0.00	190.23
Prince William County	125.25	1.08	1.07	3.23	147.92
City of Manassas	22.41	1.08	1.07	0.00	25.89
City of Manassas Park	3.74	1.08	1.07	0.00	4.32
Charles County	38.44	1.09	1.04	0.55	43.87
Frederick County	96.98	1.04	1.07	0.95	109.25
Region	2,791.75	1.06	1.05	37.76	3,157.92

Suggested Baseline Employment Estimates

Jurisdiction	2010	2015	2016	2017	2018	2019	2020
District of Columbia	756.02	802.93	815.00	819.48	832.98	833.02	785.89
Arlington County	184.12	197.27	200.64	204.98	210.88	211.54	205.66
City of Alexandria	105.63	106.77	104.87	105.75	105.03	101.59	96.29
Montgomery County	495.77	516.19	513.44	526.40	525.63	530.49	495.71
Prince George's County	345.41	350.91	361.09	369.17	372.59	375.50	343.47
Fairfax County	636.60	651.45	670.73	677.63	694.62	709.54	676.57
City of Fairfax	21.83	21.58	21.52	21.48	22.16	22.28	20.48
City of Falls Church	13.61	12.73	13.10	13.54	13.99	13.88	12.38
Loudoun County	145.32	170.48	178.79	184.07	190.05	200.07	190.23
Prince William County	120.33	138.97	145.12	145.56	149.99	156.42	147.92
City of Manassas	26.07	25.12	25.32	25.01	25.07	26.68	25.89
City of Manassas Park	3.10	3.29	3.67	3.92	4.11	4.30	4.32
Charles County	45.31	48.97	49.25	48.10	47.83	48.30	43.87
Frederick County	102.33	107.77	109.46	111.66	114.46	117.82	109.25
Region	3,001.43	3,154.45	3,211.98	3,256.74	3,309.38	3,351.44	3,157.92



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Closer look at 2021 ...

QCEW Data for 2021 is available 1st, 2nd, and 3rd Quarters

Jurisdiction	1st Qtr.				2nd Qtr.				3rd Qtr.			
	Jan-21	Feb-21	Mar-21	Average	Apr-21	May-21	Jun-21	Average	Jul-21	Aug-21	Sep-21	Average
District of Columbia	701,235	705,290	708,609	705,045	714,211	716,174	725,387	718,591	730,014	727,865	736,122	731,334
Arlington County	169,918	169,986	170,181	170,028	171,426	171,576	174,041	172,348	175,034	174,228	172,569	173,944
City of Alexandria	82,178	82,092	82,263	82,178	82,937	83,657	84,460	83,685	84,949	84,675	84,233	84,619
Montgomery County	434,110	435,392	439,274	436,259	442,833	445,742	449,530	446,035	446,852	442,204	451,138	446,731
Prince George's County	292,062	294,143	296,162	294,122	300,041	301,749	303,553	301,781	305,126	304,465	305,224	304,938
Fairfax County	593,828	594,551	597,138	595,172	600,467	603,964	611,719	605,383	605,978	611,555	608,141	608,558
City of Fairfax	18,218	18,258	18,437	18,304	18,714	18,866	19,160	18,913	19,198	19,008	18,817	19,008
City of Falls Church	10,980	11,092	11,205	11,092	11,328	11,457	11,629	11,471	11,594	11,615	11,441	11,550
Loudoun County	165,771	165,266	166,777	165,938	169,256	172,104	174,963	172,108	176,488	176,042	172,618	175,049
Prince William County	125,682	125,392	127,063	126,046	128,783	130,310	131,947	130,347	131,279	131,251	130,501	131,010
City of Manassas	22,814	22,792	22,911	22,839	23,062	23,128	23,098	23,096	23,317	23,290	23,178	23,262
City of Manassas Park	3,669	3,667	3,704	3,680	3,767	3,908	3,974	3,883	4,053	4,182	4,028	4,088
Charles County	38,072	37,795	38,119	37,995	38,851	38,926	39,559	39,112	39,578	39,356	39,500	39,478
Frederick County	97,160	97,269	98,363	97,597	99,401	100,339	100,601	100,114	98,194	98,509	100,787	99,163
COG Region	2,755,697	2,762,985	2,780,206	2,766,296	2,805,077	2,821,900	2,853,621	2,826,866	2,851,654	2,848,245	2,858,297	2,852,732



Closer look at 2021 ...

Jurisdiction	1st Qtr.	2nd Qtr.	3rd Qtr.	Difference Between	
	Average	Average	Average	1st and 3rd	Quarters
District of Columbia	705,045	718,591	731,334	26,289	3.7%
Arlington County	170,028	172,348	173,944	3,915	2.3%
City of Alexandria	82,178	83,685	84,619	2,441	3.0%
Montgomery County	436,259	446,035	446,731	10,473	2.4%
Prince George's County	294,122	301,781	304,938	10,816	3.7%
Fairfax County	595,172	605,383	608,558	13,386	2.2%
City of Fairfax	18,304	18,913	19,008	703	3.8%
City of Falls Church	11,092	11,471	11,550	458	4.1%
Loudoun County	165,938	172,108	175,049	9,111	5.5%
Prince William County	126,046	130,347	131,010	4,965	3.9%
City of Manassas	22,839	23,096	23,262	423	1.9%
City of Manassas Park	3,680	3,883	4,088	408	11.1%
Charles County	37,995	39,112	39,478	1,483	3.9%
Frederick County	97,597	100,114	99,163	1,566	1.6%
COG Region	2,766,296	2,826,866	2,852,732	86,436	3.1%