

UPDATE TO THE EMPLOYMENT BASELINE GUIDANCE MEMO

Consistent Employment Baseline

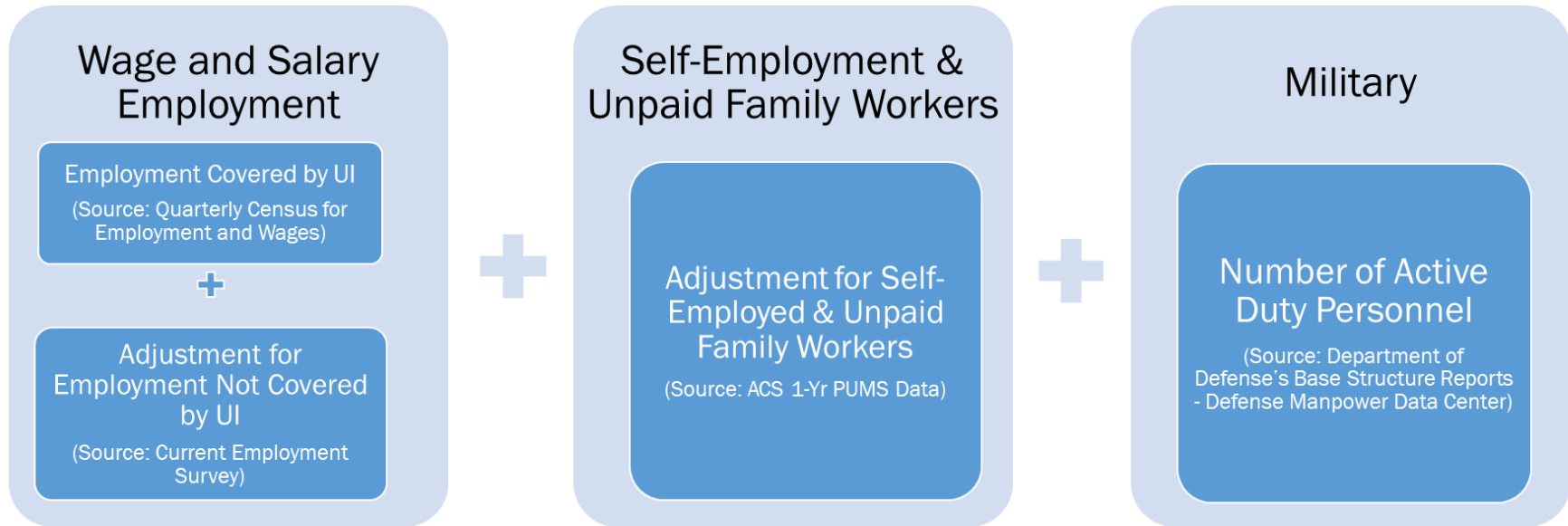
DCPS Staff

Cooperative Forecasting and Data Subcommittee
June 8, 2021



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	2019 (Thousands)
District of Columbia	776.04
Arlington County	182.20
Alexandria City	90.92
Montgomery County	472.50
Prince George's County	322.17
Fairfax County	622.23
City of Fairfax	19.67
City of Falls Church	12.25
Loudoun County	175.50
Prince William County	133.24
City of Manassas	23.20
City of Manassas Park	3.74
Charles County	41.51
Frederick County	105.17
Region	2,980.32

- 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	2019 QCEW (Thousands)	2019 CES (Thousands)	2019 Adjustment factor
District of Columbia	District of Columbia	776.04	797.2	1.03
Montgomery, Frederick	43524 - Silver Spring-Frederick-Rockville, MD Metropolitan Division	577.67	603.1	1.04
Calvert, Charles, Prince George's	94781 - Calvert County, Charles County, Prince George's County	386.34	418.1	1.08
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)	1,423.48	1,529.60	1.07
Region		3,163.53	3,348.00	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 / 2019 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	811.58	28.07	839.65	1.03
Arlington County	204.78	6.12	210.90	1.03
City of Alexandria	97.07	3.86	100.93	1.04
Montgomery County	480.69	32.06	512.75	1.07
Prince George's County	331.10	19.71	350.82	1.06
Fairfax County / City of Fairfax / City of Falls Church	673.52	36.73	710.25	1.05
Loudoun County	188.58	11.49	200.07	1.06
Prince William County/ City of Manassas / City of Manassas Park	174.65	12.22	186.87	1.07
Charles County	44.09	2.77	46.87	1.06
Frederick County	106.94	6.88	113.83	1.06
Region	3,113.02	159.91	3,272.93	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	2017 (thousands)	2018 (thousands)	2019 (thousands)
District of Columbia	9.95	9.93	8.25
Arlington County	8.57	12.13	9.92
City of Alexandria	0.02	0.02	0
Montgomery County	4.25	4.29	4.29
Prince George's County	5.62	5.68	6.1
Fairfax County	4.32	6.12	4.47
City of Fairfax	0	0	0
City of Falls Church	0	0	0
Loudoun County	0	0	0
Prince William County	2.48	3.49	3.23
City of Manassas	0	0	0
City of Manassas Park	0	0	0
Charles County	0.73	0.74	0.55
Frederick County	0.94	0.95	0.95
Region	36.86	43.35	37.76

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



2019 Total Employment

Jurisdiction	QCEW (Thousands)	CES Adjustment Factor	Self-Employment Adjustment Factor	Military Employment (Thousands)	Baseline Employment (Thousands)
District of Columbia	776.04	1.03	1.03	8.24	833.02
Arlington County	182.2	1.07	1.03	9.91	211.54
City of Alexandria	90.92	1.07	1.04	0	101.59
Montgomery County	472.5	1.04	1.07	4.29	530.49
Prince George's County	322.17	1.08	1.06	6.09	375.5
Fairfax County	622.23	1.07	1.05	4.47	709.54
City of Fairfax	19.67	1.07	1.05	0	22.28
City of Falls Church	12.25	1.07	1.05	0	13.88
Loudoun County	175.5	1.07	1.06	0	200.07
Prince William County	133.24	1.07	1.07	3.23	156.42
City of Manassas	23.2	1.07	1.07	0	24.68
City of Manassas	3.74	1.07	1.07	0	4.3
Park					
Charles County	41.51	1.08	1.06	0.55	48.3
Frederick County	105.17	1.04	1.06	0.95	117.82
Region	2,980.32	1.06	1.05	37.761	3,351.44

Suggested Baseline Employment Estimates

Jurisdiction	2010	2015	2016	2017	2018	2019
District of Columbia	756.02	802.93	815.00	819.48	832.98	833.02
Arlington County	184.12	197.27	200.64	204.98	210.88	211.54
Alexandria City	105.63	106.77	104.87	105.75	105.03	101.59
Montgomery County	495.77	515.19	513.44	526.40	525.63	530.49
Prince George's County	345.41	350.19	361.09	369.17	372.59	375.50
Fairfax County	636.60	651.45	670.73	677.63	694.62	709.54
City of Fairfax	21.83	21.58	21.52	21.48	22.16	22.28
City of Falls Church	13.61	12.73	13.10	13.55	13.99	13.88
Loudoun County	145.32	170.48	178.79	184.07	190.05	200.07
Prince William County	120.33	138.97	145.12	145.56	149.99	156.42
City of Manassas	26.07	25.12	25.32	25.01	25.07	26.68
City of Manassas Park	3.10	3.29	3.67	3.92	4.11	4.30
Charles County	45.31	48.97	49.25	48.10	47.83	48.30
Frederick County	102.33	107.77	109.46	111.66	114.46	117.82
Region	3,001.43	3,154.45	3,211.98	3,256.74	3,309.38	3,351.44

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Preliminary 2020 QCEW Annual Data – Released on June 2, 2021

Jurisdiction	2020 (Thousands)
District of Columbia	726.27
Arlington County	174.39
Alexandria City	82.96
Montgomery County	440.37
Prince George's County	295.47
Fairfax County	591.36
City of Fairfax	18.03
City of Falls Church	10.90
Loudoun County	165.12
Prince William County	125.27
City of Manassas	22.41
City of Manassas Park	3.74
Charles County	38.41
Frederick County	97.11
Region	2,791.79



Comparison Between 2019 QCEW Annual and 2020 QCEW Annual

Jurisdiction	2019 (Thousands)	2020 (Thousands)	Absolute Difference	Percentage Difference
District of Columbia	776.04	726.27	-49.77	-6.41%
Arlington County	182.20	174.39	-7.81	-4.29%
Alexandria City	90.92	82.96	-7.96	-8.76%
Montgomery County	472.50	440.37	-32.13	-6.80%
Prince George's County	322.17	295.47	-26.70	-8.29%
Fairfax County	622.23	591.36	-30.87	-4.96%
City of Fairfax	19.67	18.03	-1.65	-8.36%
City of Falls Church	12.25	10.90	-1.35	-11.03%
Loudoun County	175.50	165.12	-10.38	-5.92%
Prince William County	133.24	125.27	-7.97	-5.98%
City of Manassas	23.20	22.41	-0.79	-3.43%
City of Manassas Park	3.74	3.74	0.00	0.00%
Charles County	41.51	38.41	-3.10	-7.46%
Frederick County	105.17	97.11	-8.06	-7.66%
Region	2,980.34	2,791.79	-188.55	-6.33%

Closer look at 2020 ...

Jurisdiction	1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.			2020 Annual				
	Jan-20	Feb-20	Mar-20 Average	Apr-20	May-20	Jun-20 Average	Jul-20	Aug-20	Sep-20 Average	Oct-20	Nov-20	Dec-20 Average					
District of Columbia	775.44	780.46	777.76	777.88	701.87	697.12	702.21	700.40	709.86	710.44	714.14	711.48	716.71	716.32	712.96	715.33	726.27
Arlington County	186.17	186.16	185.60	185.98	166.39	166.99	169.82	167.73	172.40	172.31	171.66	172.12	171.84	171.74	171.56	171.71	174.39
City of Alexandria	89.22	89.16	88.59	88.99	78.33	79.61	81.17	79.70	82.93	83.27	83.20	83.13	83.45	84.43	84.12	84.00	83.96
Montgomery County	472.28	472.00	468.21	470.83	411.15	416.73	424.40	417.43	424.28	427.47	438.63	430.13	442.51	442.64	444.11	443.09	440.37
Prince George's County	316.76	321.06	317.30	318.37	271.79	274.58	280.16	275.51	285.90	290.54	293.40	289.94	296.81	299.32	298.06	298.06	295.47
Fairfax County	619.25	620.93	617.98	619.38	557.42	561.06	576.03	564.84	569.94	588.83	591.63	583.46	594.40	598.92	599.91	597.74	591.36
City of Fairfax	19.28	19.36	19.17	19.27	16.16	16.50	17.24	16.64	17.66	17.77	17.78	17.74	18.48	18.48	18.42	18.46	18.03
City of Falls Church	12.07	12.17	12.14	12.12	9.75	10.00	10.48	10.08	10.53	10.66	10.70	10.63	10.73	10.82	10.76	10.77	10.90
Loudoun County	176.29	175.59	175.53	175.80	149.79	152.86	158.50	153.72	163.74	165.33	165.03	164.70	165.81	166.12	166.82	166.25	165.12
Prince William County	131.91	132.21	132.30	132.14	114.00	115.69	122.09	117.26	122.56	124.02	125.39	123.99	127.07	127.76	128.28	127.70	125.27
City of Manassas	22.80	23.09	23.22	23.04	21.15	21.38	21.92	21.48	22.27	22.45	22.38	22.37	22.71	22.84	22.65	22.73	22.41
City of Manassas Park	3.70	3.77	3.91	3.79	3.62	3.70	3.69	3.67	3.67	3.73	3.75	3.72	3.77	3.79	3.78	3.78	3.74
Charles County	41.14	41.41	41.14	41.23	34.23	34.79	37.13	35.38	37.79	37.93	38.42	38.05	38.65	39.03	39.30	38.99	38.41
Frederick County	104.10	104.32	103.59	104.00	88.16	90.73	94.07	90.98	92.55	94.11	97.92	94.86	98.43	98.50	98.86	98.60	97.11
Region	2,970.40	2,981.67	2,966.42	2,972.83	2,623.81	2,641.73	2,698.89	2,654.81	2,716.08	2,748.84	2,774.02	2,746.31	2,791.38	2,800.68	2,799.58	2,797.21	2,792.79



Closer look at 2020 ...

Jurisdiction	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual
District of Columbia	777.88	700.40	711.48	715.33	726.27
Arlington County	185.98	167.73	172.12	171.71	174.39
City of Alexandria	88.99	79.70	83.13	84.00	83.96
Montgomery County	470.83	417.43	430.13	443.09	440.37
Prince George's County	318.37	275.51	289.94	298.06	295.47
Fairfax County	619.38	564.84	583.46	597.74	591.36
City of Fairfax	19.27	16.64	17.74	18.46	18.03
City of Falls Church	12.12	10.08	10.63	10.77	10.90
Loudoun County	175.80	153.72	164.70	166.25	165.12
Prince William County	132.14	117.26	123.99	127.70	125.27
City of Manassas	23.04	21.48	22.37	22.73	22.41
City of Manassas Park	3.79	3.67	3.72	3.78	3.74
Charles County	41.23	35.38	38.05	38.99	38.41
Frederick County	104.00	90.98	94.86	98.60	97.11
Region	2,972.83	2,654.81	2,746.31	2,797.21	2,792.79

