2020 EMPLOYMENT BASE YEAR DISCUSSION (QCEW QUARTER DATA)



2020 QCEW Data

Revised 2020 QCEW Quarters and Annual (In Thousands)

Preliminary 2021 QCEW 1st Quarter

Jurisdiction	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual
District of Columbia	777.90	699.63	711.22	715.59	726.08
Arlington County	185.98	167.63	172.07	172.01	174.42
City of Alexandria	88.99	79.67	82.97	84.04	83.92
Montgomery County	469.39	415.99	428.51	443.14	439.26
Prince George's County	318.33	275.32	289.87	298.57	295.52
Fairfax County	619.38	564.64	583.61	598.92	591.64
City of Fairfax	19.27	16.62	17.72	18.49	18.02
City of Falls Church	12.12	10.07	10.63	10.78	10.90
Loudoun County	175.80	153.63	164.68	166.55	165.17
Prince William County	132.13	117.19	124.08	127.62	125.25
City of Manassas	23.03	21.46	22.37	22.77	22.41
City of Manassas Park	3.79	3.67	3.72	3.78	3.74
Charles County	41.27	35.32	38.07	39.09	38.44
Frederick County	103.89	90.80	94.76	98.49	96.98
COG Region	2,971.25	2,651.63	2,744.30	2,799.83	2,791.75

(2021) 1st Qtr. Average
704.43
170.08
82.24
434.97
294.53
592.78
18.23
11.05
166.21
125.55
22.53
3.68
38.04
96.86
2,761.17



Ratio of 2020 Quarters to 2020 Annual (Quarter/Annual)

Jurisdiction	1st Qtr. / 2020 Annual	2nd Qtr. / 2020 Annual	3rd Qtr. / 2020 Annual	4th Qtr. / 2020 Annual
District of Columbia	1.07	0.96	0.98	0.99
Arlington County	1.07	0.96	0.99	0.99
City of Alexandria	1.06	0.95	0.99	1.00
Montgomery County	1.07	0.95	0.98	1.01
Prince George's County	1.08	0.93	0.98	1.01
Fairfax County	1.05	0.95	0.99	1.01
City of Fairfax	1.07	0.92	0.98	1.03
City of Falls Church	1.11	0.92	0.98	0.99
Loudoun County	1.06	0.93	1.00	1.01
Prince William County	1.05	0.94	0.99	1.02
City of Manassas	1.03	0.96	1.00	1.02
City of Manassas Park	1.01	0.98	0.99	1.01
Charles County	1.07	0.92	0.99	1.02
Frederick County	1.07	0.94	0.98	1.02
COG Region	1.06	0.95	0.98	1.00



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Revised 2020 QCEW Quarters and Annual

Columbia		(In Tho		QCEW 1 st Quarter		
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average 2	2020 Annual	(2021) 1st Qtr. Average
All Industries	777.90	699.63	711.22	715.59	726.08	704.43
Natural resources and Mining	ND	ND	ND	ND	ND	ND
Construction	15.14	14.30	15.49	15.03	14.99	14.78
Manufacturing	1.25	0.95	ND	ND	ND	ND
Trade, transportation, and utilities	32.50	26.18	27.69	28.71	28.77	28.02
Information	20.56	19.71	19.56	19.43	19.82	19.26
Financial activities	27.56	26.85	26.75	26.53	26.92	26.17
Professional and business services	173.05	163.97	164.32	164.30	166.41	162.62
Education and health services	11 7.9 7	109.77	108.09	111.79	111.91	110.24
Leisure and hospitality	78.43	33.64	(38.16)	38.22) (47.11)	35.45
Other services	73.97	67.76	68.43	69.44	69.90	67.76
Federal Government	195.58	195.07	199.61	199.13	197.35	197.41
State Government	37.11	36.61	37.25	37.12	37.02	36.92
Local Government	4.36	4.40	4.45	4.44	4.41	4.37



District of

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Revised 2020 QCEW Quarters and Annual

(In Thousands)

		X X		/		
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual	(2021) 1st Qtr. Average
All Industries	185.98	167.63	172.07	172.01	174.42	170.08
Natural resources and Mining	ND	ND	ND	ND	ND	ND
Construction	2.08	2.01	2.13	2.28	2.13	2.25
Manufacturing	ND	ND	ND	ND	ND	ND
Trade, transportation, and utilities	21.24	17.39	17.76	17.43	18.46	18.12
Information	5.54	5.41	5.57	5.55	5.52	5.40
Financial activities	6.96	6.35	6.43	6.34	6.52	6.34
Professional and business services	64.53	63.24	63.38	63.64	63.70	64.33
Education and health services	14.02	12.58	12.59	13.05	13.06	13.02
Leisure and hospitality	17.64	8.60	11.62) (11.20	(12.27)	10.83
Other services	11.24	9.96	10.39	10.39	10.49	10.13
Federal Government	28.40	28.55	29.20	29.03	28.79	26.62
State Government	0.83	0.82	0.76	0.85	0.81	0.82
Local Government	12.33	11.73	11.20	11.14	11.60	11.19



Arlington County

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Preliminary 2021

Revised 2020 QCEW Quarters and Annual

(In Thousands)

	1 ot Otr	2nd Qtr.	2rd Otr	4th Qtr.	
CS Sectors	1st Qtr. Average	Average	3rd Qtr. Average		2020 Annual
ustries	88.99	79.67	82.97	84.04	83.92
al resources and Mining	ND	0.01	0.01	ND	0.01
struction	2.20	2.22	2.43	2.36	2.31
ufacturing	ND	1.34	1.39	ND	1.45
e, transportation, and utilities	10.74	9.43	9.92	10.37	10.12
mation	1.10	1.06	1.06	1.09	1.08
ncial activities	4.17	3.97	4.00	4.08	4.06
essional and business services	19.82	19.16	19.63	19.72	19.58
ation and health services	8.45	7.49	7.65	7.83	7.85
ire and hospitality	9.10	4.92	6.25	6.36	6.66
r services	9.54	8.36	8.72	8.78	8.85
al Government	13.80	13.77	13.95	14.03	13.89
Government	0.91	0.93	0.87	0.90	0.90
l Government	7.20	6.80	6.83	6.85	6.92



City of Alexandria

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Preliminary 2021

Revised 2020 QCEW Quarters and Annual

Montgomery County	Revised 20	20 QCEV (In The	Annual	Preliminary 2021 QCEW 1 st Quarter		
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual	(2021) 1st Qtr. Average
All Industries	469.39	415.99	428.51	443.14	439.26	434.97
Natural resources and Mining	0.86	0.92	0.96	0.90	0.91	0.83
Construction	23.13	21.75	22.19	22.23	22.32	21.38
Manufacturing	12.95	12.44	12.72	12.92	12.76	13.07
Trade, transportation, and utilities	55.78	45.90	51.04	54.47	51.80	52.54
Information	9.79	8.83	8.84	8.83	9.07	8.78
Financial activities	28.78	27.76	27.97	28.26	28.19	27.81
Professional and business service	s 103.43	99.55	101.26	102.20	101.61	99.78
Education and health services	78.45	87.08	69.34	72.07	71.74	72.56
Leisure and hospitality	41.53	23.93	31.21	29.83	31.62	27.93
Other services	20.57	16.13	17.72	17.97	18.10	17.93
Federal Government	47.65	48.13	49.36	49.75	48.72	49.75
State Government	1.32	1.31	1.29	1.24	1.29	1.23
Local Government	45.15	42.26	34.61	42.44	41.12	41.27



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Revised 2020 QCEW Quarters and Annual

County		(In The	QCEW 1 st Quarter			
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual	(2021) 1st Qtr. Average
All Industries	318.33	275.32	289.87	298.57	295.52	294.53
Natural resources and Mining	0.09	0.09	0.10	0.10	0.09	0.10
Construction	28.04	25.93	27.54	27.46	27.24	27.10
Manufacturing	7.52	6.94	7.01	7.39	7.21	6.98
Trade, transportation, and utilities	59.66	50.49	55.36	58.36	55.97	56.34
Information	2.68	2.26	2.24	2.19	2.34	2.14
Financial activities	11.40	10.29	10.02	10.02	10.43	10.00
Professional and business services	39.15	35.50	36.45	36.78	36.97	37.31
Education and health services	35.17	30.06	31.05	32.48	32.19	31.92
Leisure and hospitality	35.00	(19.02)	27.84	27.95	27.45	25.88
Other services	9.01	6.52	7.66	7.78	7.74	7.71
Federal Government	26.73	26.92	27.59	28.63	27.47	29.52
State Government	22.29	21.76	20.06	19.75	20.97	20.30
Local Government	41.60	39.50	36.93	39.67	39.42	39.20



Prince George's

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Revised 2020 QCEW Quarters and Annual

(In Thousands)

			/doundo)		
	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	
CS Sectors	Average	Average	Average	Average	2020 Annual
lustries	619.38	564.64	583.61	598.92	591.64
ural resources and Mining	ND	ND	ND	ND) ND
struction	24.83	24.18	24.13	24.08	24.31
nufacturing	5.21	4.75	5.02	5.14	5.03
e, transportation, and utilities	76.55	68.76	74.52	79.17	74.75
rmation	20.84	20.67	21.09	21.08	20.92
ncial activities	37.71	37.00	37.47	37.63	37.45
essional and business services	223.66	219.33	223.45	223.64	222.52
ation and health services	72.47	63.40	66.60	69.02	67.87
ure and hospitality	51.87	(29.75)	(39.67)	38.93	40.06
er services	20.08	15.25	17.14	17.65	17.53
eral Government	24.30	24.09	24.66	24.41	. 24.37
e Government	9.37	9.58	9.17	9.40	9.38
al Government	50.83	46.40	38.95	46.89	45.77



Fairfax County

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Preliminary 2021

Revised 2020 QCEW Quarters and Annual

City of Fairlax		•	ousands			QCEW 1 st Quarter
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual	(2021) 1st Qtr. Average
All Industries	19.27	16.62	17.72	18.49	18.02	18.23
Natural resources and Mining	ND	ND	ND	ND	ND	ND
Construction	0.46	0.46	0.47	0.46	0.46	0.47
Manufacturing	ND	0.10	0.11	ND	0.11	0.11
Trade, transportation, and utilities	3.53	3.13	3.31	3.52	3.37	3.51
Information	0.27	0.25	0.23	0.23	0.25	0.23
Financial activities	1.17	1.21	1.23	1.29	1.23	1.33
Professional and business services	4.39	4.30	4.41	4.50	4.40	4.51
Education and health services	3.73	3.22	3.19	3.23	8.34	2.99
Leisure and hospitality	2.95	1.53	2.21	2.39	2.27	2.35
Other services	0.96	0.73	0.85	0.86	0.85	0.84
Federal Government	0.29	0.29	0.31	0.28	0.29	0.27
State Government	0.28	0.32	0.32	0.32	0.31	0.32
Local Government	1.06	1.00	1.01	1.21	1.07	1.20



City of Fairfax

Revised 2020 QCEW Quarters and Annual

Church		(In Th	ousands	QCEW 1 st Quarter		
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual	(2021) 1st Qtr. Average
All Industries	12.12	10.07	10.63	10.78	10.90	11.05
Natural resources and Mining	0.00	0.00	0.00	0.00	0.00	0.00
Construction	0.40	0.41	0.41	0.43	0.41	0.41
Manufacturing	0.09	0.08	0.07	0.08	0.08	0.08
Trade, transportation, and utilities	1.33	1.17	1.25	1.29	1.26	1.47
Information	0.25	0.25	0.25	0.25	0.25	0.26
Financial activities	0.48	0.43	0.48	0.50	0.47	0.54
Professional and business services	2.29	2.19	2.10	2.08	2.16	2.07
Education and health services	2.32	1.75	1.83	1.84	1.93	1.96
Leisure and hospitality	(1.73)	0.81	1.17	1.21) (1.23)	1.15
Other services	0.68	0.47	0.58	0.59	0.58	0.59
Federal Government	1.50	1.49	1.53	1.54	1.52	1.56
State Government	0.11	0.11	0.11	0.11	0.11	0.11
Local Government	0.93	0.88	0.81	0.82	0.86	0.81



City of Falls

Revised 2020 QCEW Quarters and Annual

(In Thousands)

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.		(202
AICS Sectors	Average	Average	Average	Average	2020 Annual	Qtr. A
Industries	175.80	153.63	164.68	166.55	5 165.17	
tural resources and Mining	0.59	0.57	0.63	0.62	0.60	
onstruction	16.70	16.26	16.32	16.71	16.50	
anufacturing	7.95	7.64	8.24	8.34	8.04	
de, transportation, and utilities	33.00	26.97	29.04	30.58	29.90	
ormation	7.24	6.84	6.82	6.87	6.94	
ancial activities	6.01	5.73	5.80	5.73	5.82	
fessional and business services	32.35	31.89	32.58	32.89	32.43	
ucation and health services	17.56	14.21	15.85	16.44	16.01	
sure and hospitality	20.42	11.43	15.92) (15.94	15.93	
her services	5.80	4.37	5.12	5.36	5.16	
deral Government	4.60	4.74	4.97	4.86	4.79	
ate Government	1.03	1.08	1.02	1.05	5 1.04	
ocal Government	22.00	21.41	21.72	20.44	21.39	



Loudoun County

Preliminary 2021

Prince William County	Revised 20	20 QCEV (In Th	Preliminary 2021 QCEW 1 st Quarter			
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual	(2021) 1st Qtr. Average
All Industries	132.13	117.19	124.08	127.62	125.25	125.55
Natural resources and Mining	0.25	0.21	0.24	0.25	0.24	0.24
Construction	14.39	14.47	15.16	15.02	14.76	14.18
Manufacturing	2.03	1.84	1.95	1.97	1.95	1.96
Trade, transportation, and utilities	27.02	23.10	25.89	26.95	25.74	26.15
Information	1.24	1.07	1.06	1.07	1.11	1.04
Financial activities	3.72	3.62	3.73	3.68	3.69	3.54
Professional and business services	17.73	16.73	17.42	17.51	17.35	17.12
Education and health services	15.71	13.03	14.16	14.63	14.38	14.83
Leisure and hospitality	16.28	10.57	13.95	14.45	13.81	14.12
Other services	4.42	3.16	4.08	4.23	3.97	4.30
Federal Government	6.67	6.68	6.84	6.76	6.74	6.69
State Government	2.04	2.07	1.98	2.02	2.03	1.88
Local Government	20.12	20.11	17.05	18.40	18.92	18.72



Revised 2020 QCEW Quarters and Annual

City of Manassas		(In Th	QCEW 1 st Quarter			
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual	(2021) 1st Qtr. Average
All Industries	23.03	21.46	22.37	22.77	22.41	22.74
Natural resources and Mining	ND	ND	ND	ND) ND	ND
Construction	ND	ND	ND	ND) ND	ND
Manufacturing	2.40	2.51	2.47	2.42	2 2.45	2.33
Trade, transportation, and utilities	2.85	2.67	2.77	2.83	3 2.78	2.74
Information	0.04	0.04	0.04	0.04	0.04	0.04
Financial activities	0.60	0.58	0.59	0.59	0.59	0.68
Professional and business services	4.87	4.86	5.02	5.13	3 4.97	5.34
Education and health services	4.46	4.05	4.06	4.17	4.19	4.20
Leisure and hospitality	(2.11)	1.35	1.82) (1.91	.) (1.80)	1.89
Other services	0.84	0.72	0.82	0.83	0.80	0.83
Federal Government	0.71	0.70	0.73	0.71	0.71	0.71
State Government	0.18	0.19	0.18	0.19	0.18	0.19
Local Government	1.90	1.77	1.77	1.84	1.82	1.80



City of Manassas

City of Manassas Park	Revised 20	020 QCE (In Th	Preliminary 2021 QCEW 1 st Quarter			
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average 2	2020 Annual	(2021) 1st Qtr. Average
All Industries	3.79	3.67	3.72	3.78	3.74	3.68
Natural resources and Mining	ND	ND	ND	ND	ND	ND
Construction	1.22	1.20	1.19	1.15	1.19	1.08
Manufacturing	0.19	0.17	0.18	0.19	0.18	0.21
Trade, transportation, and utilities	0.47	0.41	0.44	0.45	0.44	0.44
Information	0.01	0.01	0.01	ND	ND	0.01
Financial activities	0.06	0.06	0.06	0.07	0.06	0.07
Professional and business services	s 0.64	0.71	0.70	0.81	0.71	0.77
Education and health services	0.11	0.07	0.09	0.09	0.09	0.08
Leisure and hospitality	0.08	0.06	0.06	0.08) (0.07)	0.10
Other services	0.17	0.13	0.14	0.14	0.15	0.13
Federal Government	0.01	0.01	0.02	0.01	0.01	0.01
State Government	ND	ND	ND	ND	ND	ND
Local Government	ND	ND	ND	ND	ND	ND



Revised 2020 QCEW Quarters and Annual

(In Thousands)

	(III IIIOUSalius)					
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. Average	4th Qtr. Average	2020 Annual	(2021) 1st Qtr. Average
All Industries	41.27	35.32	38.07	39.09		38.04
Natural resources and Mining	0.03	0.03	0.03	0.03	0.03	0.03
Construction	3.28	3.19	3.29	3.29	3.26	2.96
Manufacturing	0.59	0.53	0.57	0.57	0.57	0.55
Trade, transportation, and utilities	9.88	8.39	9.40	10.04	9.43	9.50
Information	0.28	0.25	0.24	0.25	0.26	0.25
Financial activities	1.01	0.97	1.00	1.00	0.99	1.02
Professional and business services	2.98	2.83	2.92	2.92	2.91	2.98
Education and health services	5.74	4.66	4.83	4.98	5.05	4.97
Leisure and hospitality	5.61	3.51	4.89	4.94	4.74	4.79
Other services	1.51	1.04	1.25	1.27	1.27	1.30
Federal Government	2.65	2.67	2.75	2.68	3 2.69	2.67
State Government	0.52	0.51	0.52	0.51	0.52	0.52
Local Government	7.18	6.74	6.39	6.61	6.73	6.52



Charles County

Preliminary 2021

Revised 2020 QCEW Quarters and Annual

, ,		QCEW 1 st Quar				
NAICS Sectors	1st Qtr. Average	2nd Qtr. Average	3rd Qtr. 4th Qtr. Average Average		2020 Annual	(2021) 1st Qtr. Average
All Industries	103.89	90.80	94.76	98.49	96.98	96.86
Natural resources and Mining	0.57	0.61	0.72	0.72	0.65	0.52
Construction	10.12	9.70	9.98	9.91	9.93	9.62
Manufacturing	5.39	4.95	5.22	5.32	5.22	5.42
Trade, transportation, and utilities	18.08	16.51	17.75	18.49	17.71	18.21
Information	0.98	0.85	0.91	0.86	0.90	0.84
Financial activities	4.99	4.77	4.79	4.79	4.84	4.61
Professional and business services	15.60	14.56	15.06	15.06	15.07	15.11
Education and health services	15.91	13.34	14.20	14.19	14.41	13.88
Leisure and hospitality	11.64	6.81	9.52) (9.64) (9.41)	9.14
Other services	4.36	3.10	3.64	3.93	3.76	3.78
Federal Government	3.72	3.71	3.90	3.79	3.78	3.76
State Government	1.24	1.21	1.19	1.23	1.22	1.24
Local Government	11.27	10.66	7.90	10.57	10.10	10.73



Frederick County

Preliminary 2021

2020 Employment Baseline Discussion

- Starting with a Year 2020 Employment Base
- Employment as defined in the COG Employment Baseline Guidance Memo (QCEW Data + Additional CES Factor+ Self-Employed Factor + Military (Active Duty)
- The Forecast Horizon is Year 2050
- Refine actual types of jobs included in employment land use categories (industrial, retail, office, and other)
- Current TAZ Structure (COG TAZ 3722 Zone Structure)

Discussion Questions

Can we all agree that we will use the 2020 QCEW Annual Estimate and follow the COG Employment Baseline Guidance Memo?

Can we all agree that we will use one of the four 2020 Quarters to develop the TAZ level employment data? Which Quarter? 4th?

Can we all agree that we will use the 2020 Data Axle products (either March or September) to supplement potential missing employment records and counts?



2020 Employment Baseline Discussion

- ✓ Committee Agreement to Use 2020 QCEW Annual Average (Follow the MWCOG Suggested Baseline Employment Estimates Memo)
- ✓ Committee Agreement to Use 4th Quarter 2020 QCEW (For TAZs Small Area Development)
- ✓ Supplement non-QCEW employment with Data Axle Product and/or jurisdictional administrative records



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