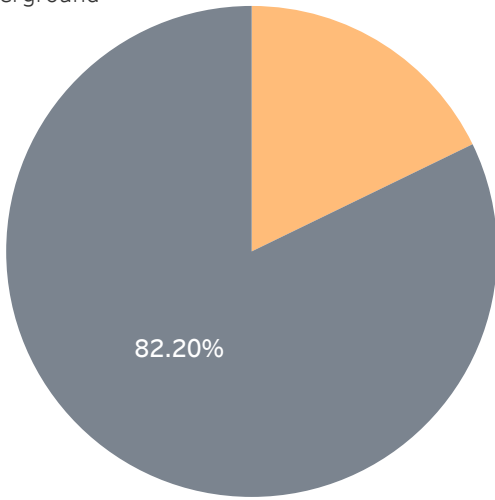
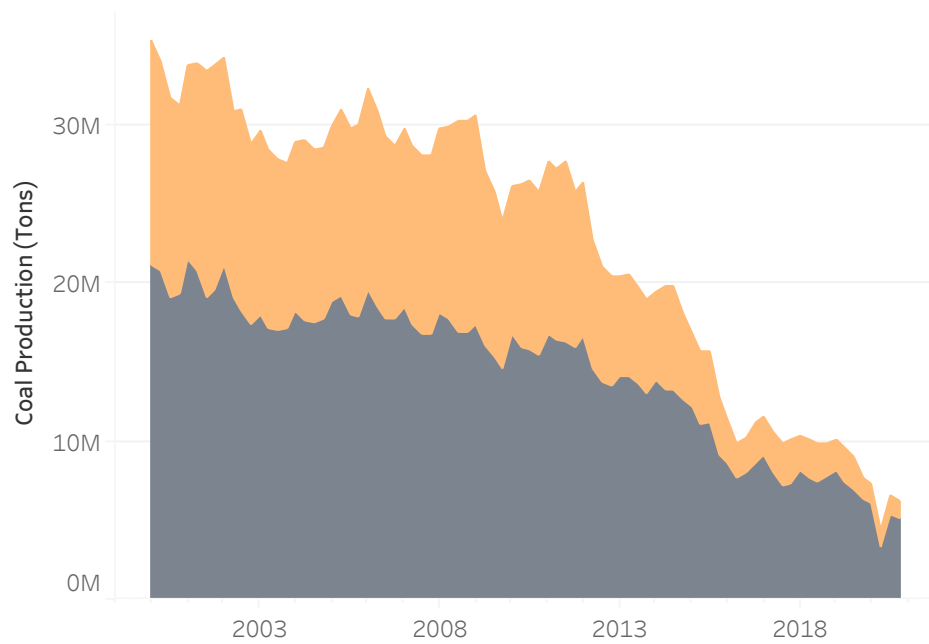


# Kentucky Quarterly Coal Report (2020 - Q4)

Mine Type  
 Surface  
 Underground



## Coal Production by Mine Type (2000 - Q1 to 2020 - Q4)

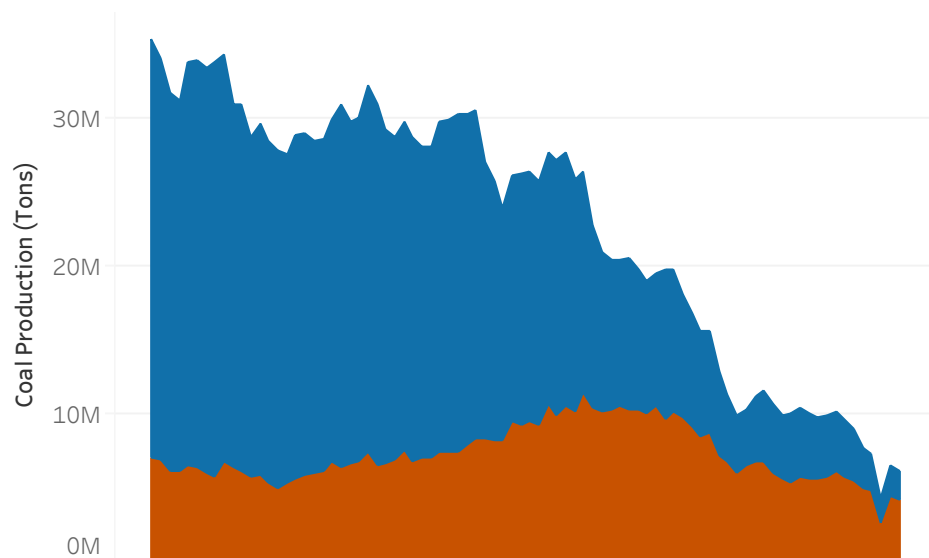
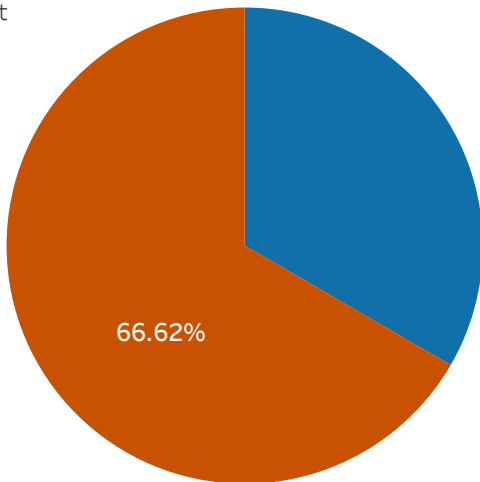


2003 2008 2013 2018

	Production	YoY change	Qtr change
<b>Total</b>	6,161,132	-19.65%	-5.19%
<b>Underground</b>	5,057,550	-19.07%	-4.16%
<b>Surface</b>	1,103,582	-22.22%	-9.61%

## Coal Production by Region (2000 - Q1 to 2020 - Q4)

Region  
 East  
 West



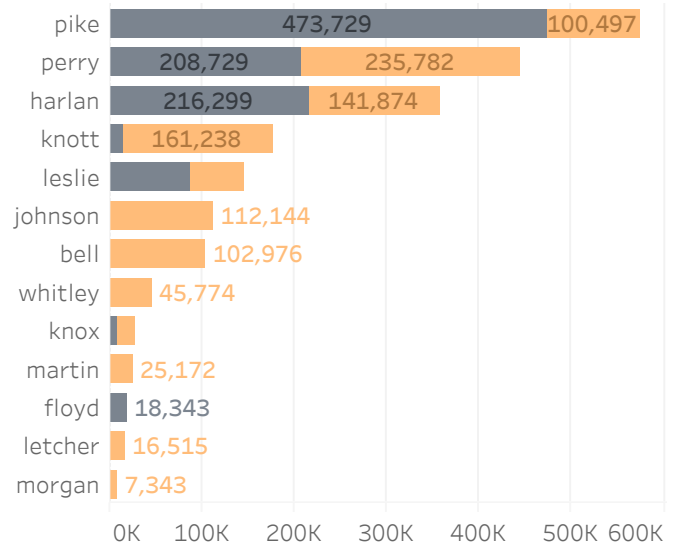
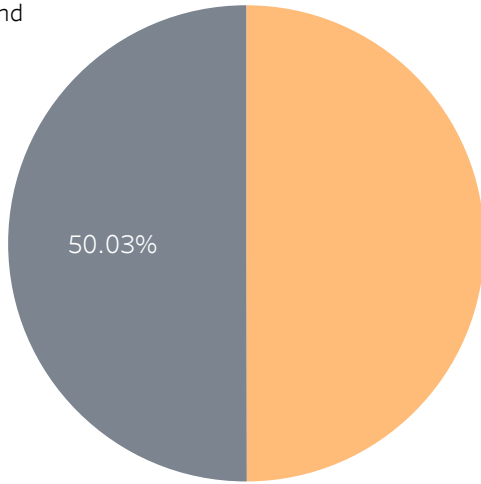
2003 2008 2013 2018

	Production	YoY change	Qtr change
<b>Total</b>	6,161,132	-19.65%	-5.19%
<b>East</b>	2,062,205	-25.92%	-0.53%
<b>West</b>	4,098,927	-16.08%	-7.37%

# Eastern Kentucky (2020 - Q4)

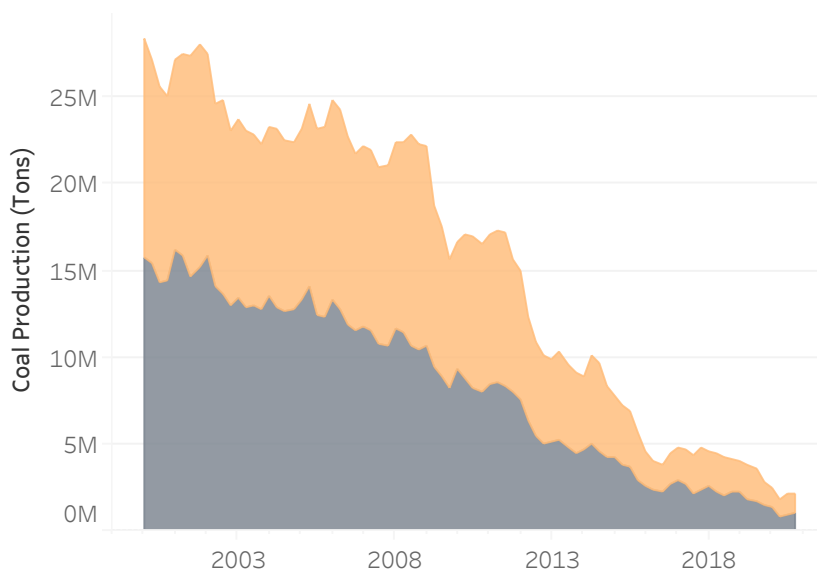
## Mine Type

- Surface
- Underground



	Production	YoY change	Qtr change
Total	2,062,205	- 25.92%	- 0.53%
Surface	1,034,624	- 22.89%	- 8.95%
Underground	1,027,581	- 28.75%	+ 9.68%

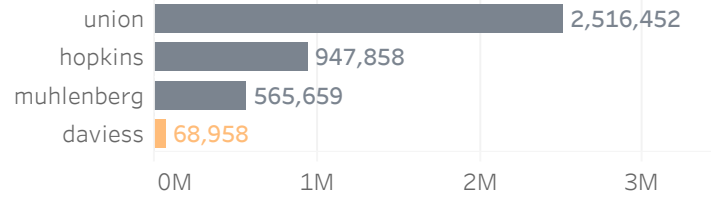
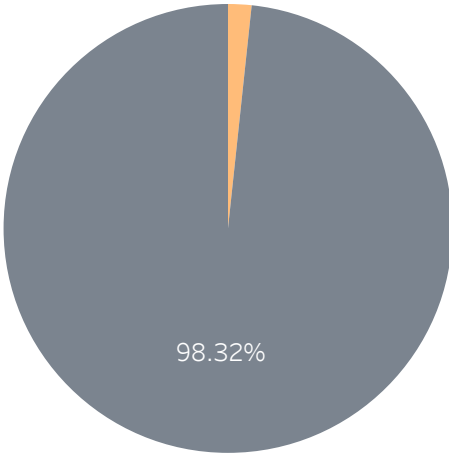
Eastern Kentucky Coal Production (2000 - Q1 to 2020 - Q4)



	County Coal Production	YoY change	Qtr change
EKY Total	2,062,205	- 25.92%	- 0.53%
pike	574,226	- 5.46%	+ 1.93%
perry	444,511	- 4.76%	- 6.71%
harlan	359,194	- 20.14%	+ 53.71%
knott	176,634	- 14.10%	+ 31.48%
leslie	146,067	- 33.79%	- 20.59%
johnson	112,144	- 21.79%	- 7.97%
bell	105,314	- 10.65%	- 34.49%
whitley	48,137	- 48.88%	- 5.13%
knox	26,198	- 38.22%	- 54.47%
martin	25,172	- 73.44%	- 25.52%
letcher	18,922	+ 94.35%	- 39.44%
floyd	18,343	- 92.25%	- 27.32%
morgan	7,343	- 48.55%	+ 3,481.95%

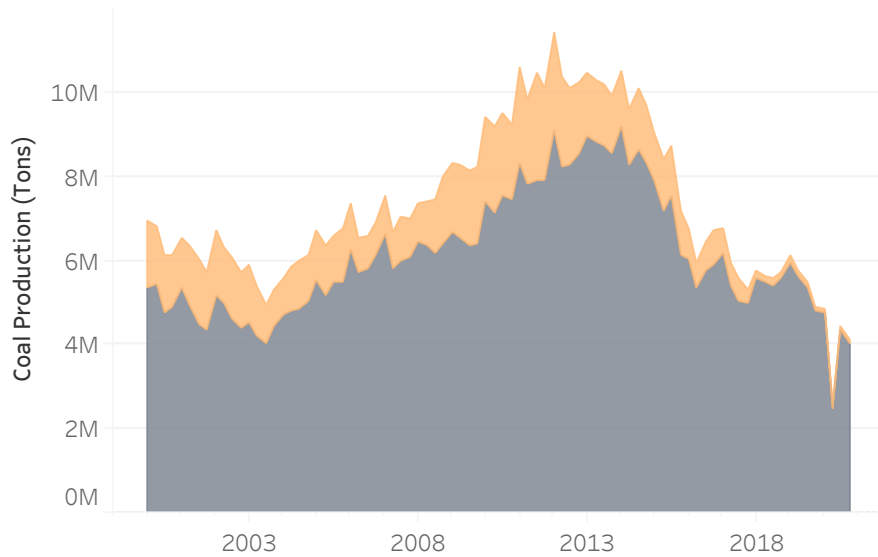
# Western Kentucky (2020 - Q4)

Mine Type  
■ Surface  
■ Underground



	Production	YoY change	Qtr change
Total	4,098,927	- 16.08%	- 7.37%
Underground	4,029,969	- 16.17%	- 7.15%
Surface	68,958	- 10.56%	- 18.51%

Western Kentucky Coal Production (2000 - Q1 to 2020 - Q4)

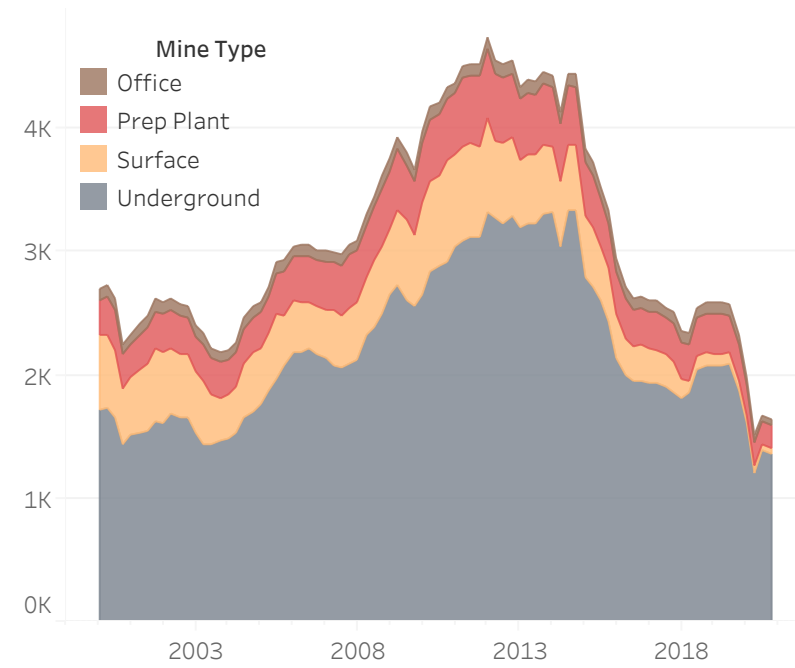
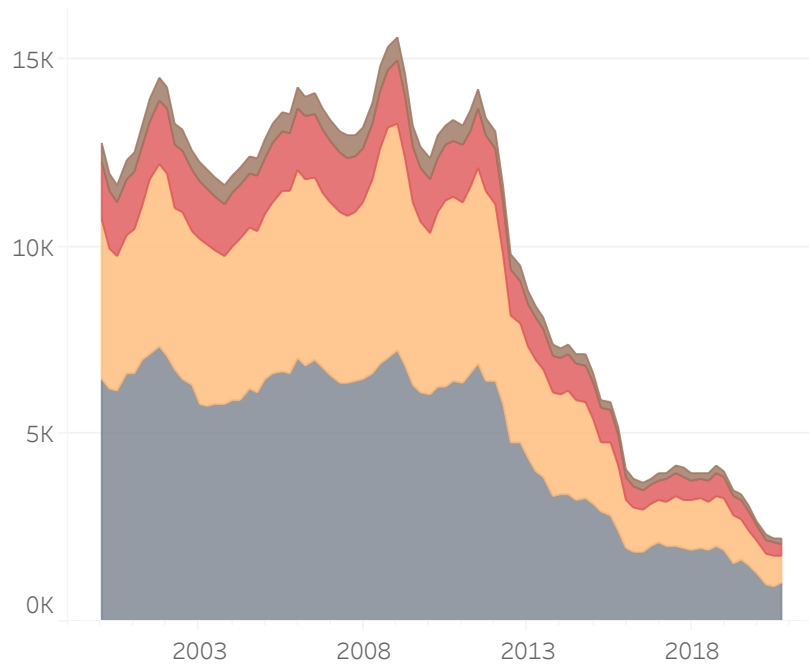


	County Coal Production	YoY change	Qtr change
WKY Total	4,098,927	- 16.08%	- 7.37%
union	2,516,452	- 8.46%	- 7.44%
hopkins	947,858	- 4.83%	- 11.85%
muhlenberg	565,659	+ 8.04%	+ 3.54%
daviess	68,958	- 7.33%	- 18.51%

# Employment by Region (2020 - Q4)

East Kentucky Employment by Mine Type (2000 - Q1 to 2020 - Q4)

West Kentucky Employment by Mine Type (2000 - Q1 to 2020 - Q4)



	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
<b>EKY Total</b>	2,232	-27.60%	-851	+0.59%	13
pike	733	-12.43%	-104	-6.39%	-50
perry	363	-32.15%	-172	+4.01%	14
harlan	357	-31.74%	-166	+34.21%	91
bell	191	+29.93%	+44	-10.33%	-22
leslie	174	-9.38%	-18	+0.58%	1
knott	100	+17.65%	+15	+4.17%	4
whitley	70	-27.84%	-27	-11.39%	-9
floyd	59	-81.39%	-258	+3.51%	2
johnson	57	-5.00%	-3	-3.39%	-2
knox	46	-4.17%	-2	-29.23%	-19
letcher	36	+9.09%	+3	+28.57%	8
clay	14	-26.32%	-5	+7.69%	1
boyd	10	-67.74%	-21	-9.09%	-1
lawrence	4	-63.64%	-7	+0.00%	-
magoffin	4	-89.19%	-33	+0.00%	-
martin	4	-95.83%	-92	-55.56%	-5
mccreary	4	+0.00%	-	+0.00%	-
morgan	4	+100.00%	+2	+0.00%	-
breathitt	2	-75.00%	-6	+0.00%	-

	Emp	YoY pct change	YoY change	Qtr pct change	Qtr change
<b>WKY Total</b>	1,642	-29.44%	-685	-1.79%	-30
union	820	-12.21%	-114	-3.76%	-32
hopkins	461	-9.25%	-47	+0.22%	+1
muhlenberg	263	+2.33%	+6	+3.14%	+8
marshall	39	-22.00%	-11	+0.00%	-
daviess	31	-3.13%	-1	-3.13%	-1
ohio	22	-90.52%	-210	+175.00%	+14
mclean	6	-97.74%	-259	-76.92%	-20

## Total Employees by Mine Type

	Total Workers	YoY pct change	Qtr pct change
<b>Total</b>	3,874	-28.39%	-0.44%
<b>Underground</b>	2,350	-29.58%	0.95%
<b>Surface</b>	850	-17.15%	-0.47%
<b>Preparation Plant</b>	505	-37.11%	-4.17%
<b>Office</b>	169	-30.74%	-7.14%

Coal Production Reference Table										
		West			East			Total		
		Production	YoY change	Qtr change	Production	YoY change	Qtr change	Production	YoY change	Qtr change
2020	Q4	4,098,927	-16.08%	-7.37%	2,062,205	-25.92%	-0.53%	6,161,132	-19.65%	-5.19%
	Q3	4,424,915	-19.27%	+72.71%	2,073,197	-41.23%	+14.79%	6,498,112	-27.87%	+48.76%
	Q2	2,562,103	-55.52%	-46.91%	1,806,044	-52.78%	-26.19%	4,368,147	-54.43%	-39.94%
	Q1	4,825,923	-21.07%	-1.19%	2,447,018	-39.15%	-12.10%	7,272,941	-28.25%	-5.15%
2019	Q4	4,884,272	-14.67%	-10.89%	2,783,931	-32.40%	-21.08%	7,668,203	-22.09%	-14.88%
	Q3	5,481,282	-1.52%	-4.84%	3,527,517	-16.60%	-7.77%	9,008,799	-8.03%	-6.01%
	Q2	5,760,256	+2.65%	-5.79%	3,824,860	-14.22%	-4.89%	9,585,116	-4.82%	-5.43%
	Q1	6,114,327	+6.19%	+6.82%	4,021,665	-12.65%	-2.35%	10,135,992	-2.18%	+2.99%
2018	Q4	5,723,927	+7.72%	+2.84%	4,118,268	-13.24%	-2.63%	9,842,195	-2.17%	+0.48%
	Q3	5,566,036	-0.31%	-0.81%	4,229,621	-1.48%	-5.15%	9,795,657	-0.82%	-2.73%
	Q2	5,611,408	-5.67%	-2.54%	4,459,063	-4.68%	-3.15%	10,070,471	-5.24%	-2.81%
	Q1	5,757,753	-14.82%	+8.36%	4,604,217	-3.89%	-3.01%	10,361,970	-10.29%	+3.00%
2017	Q4	5,313,607	-20.89%	-4.83%	4,746,946	+6.40%	+10.58%	10,060,553	-10.00%	+1.87%
	Q3	5,583,324	-13.63%	-6.15%	4,292,961	+13.93%	-8.23%	9,876,285	-3.48%	-7.06%
	Q2	5,948,923	+0.18%	-11.99%	4,678,053	+18.85%	-2.35%	10,626,976	+7.62%	-7.99%
	Q1	6,759,704	-0.07%	+0.65%	4,790,646	+4.61%	+7.38%	11,550,350	+1.82%	+3.33%
2016	Q4	6,716,354	-6.35%	+3.90%	4,461,567	-20.44%	+18.41%	11,177,921	-12.53%	+9.24%
	Q3	6,464,425	-25.75%	+8.86%	3,767,919	-45.39%	-4.27%	10,232,344	-34.43%	+3.62%
	Q2	5,938,328	-29.27%	-12.21%	3,936,114	-45.51%	-14.05%	9,874,442	-36.78%	-12.96%
	Q1	6,764,538	-25.25%	-5.68%	4,579,673	-40.84%	-18.33%	11,344,211	-32.44%	-11.23%
2015	Q4	7,171,565	-26.04%	-17.63%	5,607,867	-32.66%	-18.72%	12,779,432	-29.10%	-18.11%
	Q3	8,706,595	-13.94%	+3.70%	6,899,615	-28.30%	-4.48%	15,606,210	-20.94%	-0.09%
	Q2	8,396,251	-12.65%	-7.22%	7,223,367	-28.54%	-6.70%	15,619,618	-20.80%	-6.98%
	Q1	9,049,591	-13.98%	-6.67%	7,741,756	-12.83%	-7.04%	16,791,347	-13.45%	-6.84%
2014	Q4	9,695,896	-2.36%	-4.16%	8,328,235	-7.78%	-13.45%	18,024,131	-4.94%	-8.69%
	Q3	10,116,906	-0.90%	+5.25%	9,622,538	+1.57%	-4.81%	19,739,444	+0.29%	+0.09%
	Q2	9,612,041	-6.53%	-8.63%	10,108,702	-1.53%	+13.83%	19,720,743	-4.03%	+1.65%
	Q1	10,519,840	+0.70%	+5.94%	8,880,871	-10.32%	-1.66%	19,400,711	-4.66%	+2.32%
2013	Q4	9,930,116	-2.76%	-2.73%	9,030,912	-10.74%	-4.67%	18,961,028	-6.73%	-3.67%
	Q3	10,209,207	+1.30%	-0.73%	9,473,785	-12.59%	-7.72%	19,682,992	-5.90%	-4.22%
	Q2	10,283,803	-0.70%	-1.55%	10,266,020	-16.41%	+3.67%	20,549,823	-9.22%	+0.99%
	Q1	10,446,242	-8.36%	+2.29%	9,903,040	-33.59%	-2.12%	20,349,282	-22.66%	+0.10%
2012	Q4	10,212,118	+1.02%	+1.32%	10,117,367	-35.37%	-6.65%	20,329,485	-21.09%	-2.81%
	Q3	10,078,665	-3.70%	-2.68%	10,838,341	-36.72%	-11.75%	20,917,006	-24.20%	-7.60%
	Q2	10,356,005	+5.26%	-9.15%	12,280,901	-28.87%	-17.64%	22,636,906	-16.48%	-13.96%
	Q1	11,399,527	+7.44%	+12.77%	14,911,428	-12.51%	-4.74%	26,310,955	-4.86%	+2.13%
2011	Q4	10,108,522	+9.29%	-3.42%	15,653,628	-5.12%	-8.61%	25,762,150	+0.06%	-6.64%
	Q3	10,466,346	+10.24%	+6.38%	17,128,371	+1.40%	-0.80%	27,594,717	+4.58%	+1.81%
	Q2	9,838,635	+7.28%	-7.28%	17,265,934	+1.33%	+1.30%	27,104,569	+3.41%	-1.99%
	Q1	10,610,622	+12.63%	+14.72%	17,044,157	+2.41%	+3.31%	27,654,779	+6.10%	+7.41%
2010	Q4	9,249,023	+12.45%	-2.59%	16,497,533	+5.39%	-2.33%	25,746,556	+7.82%	-2.42%
	Q3	9,494,482	+16.80%	+3.53%	16,891,777	-3.75%	-0.87%	26,386,259	+2.76%	+0.67%
	Q2	9,171,091	+10.95%	-2.65%	17,039,368	-9.06%	+2.38%	26,210,459	-2.94%	+0.56%
	Q1	9,421,068	+13.06%	+14.55%	16,642,680	-24.96%	+6.32%	26,063,748	-14.57%	+9.15%
2009	Q4	8,224,772	+3.14%	+1.18%	15,653,974	-29.60%	-10.80%	23,878,746	-20.95%	-7.01%
	Q3	8,128,670	+9.45%	-1.66%	17,549,726	-22.92%	-6.34%	25,678,396	-14.96%	-4.91%
	Q2	8,266,060	+11.58%	-0.80%	18,737,464	-16.29%	-15.51%	27,003,524	-9.36%	-11.49%
	Q1	8,332,597	+13.24%	+4.49%	22,177,503	-0.62%	-0.26%	30,510,100	+2.82%	+1.00%
2008	Q4	7,974,371	+13.74%	+7.37%	22,234,419	+5.88%	-2.35%	30,208,790	+7.85%	+0.04%
	Q3	7,426,744	+5.80%	+0.25%	22,769,136	+8.67%	+1.72%	30,195,880	+7.95%	+1.35%
	Q2	7,408,039	+10.87%	+0.68%	22,384,698	+2.05%	+0.31%	29,792,737	+4.11%	+0.40%
	Q1	7,358,124	-2.60%	+4.95%	22,316,528	+0.75%	+6.27%	29,674,652	-0.10%	+5.94%

		West			East			Total		
		Emp	YoY change	Qtr change	Emp	YoY change	Qtr change	Emp	YoY change	Qtr change
2020	Q4	1,642	-29.44%	-1.79%	2,232	-27.60%	+0.59%	3,874	-28.39%	-0.44%
	Q3	1,672	-34.92%	+11.17%	2,219	-34.74%	-3.27%	3,891	-34.81%	+2.45%
	Q2	1,504	-41.66%	-23.73%	2,294	-34.68%	-14.78%	3,798	-37.64%	-18.57%
	Q1	1,972	-23.48%	-15.26%	2,692	-33.20%	-12.68%	4,664	-29.41%	-13.79%
2019	Q4	2,327	-9.70%	-9.42%	3,083	-25.51%	-9.32%	5,410	-19.45%	-9.37%
	Q3	2,569	+1.26%	-0.35%	3,400	-13.79%	-3.19%	5,969	-7.90%	-1.99%
	Q2	2,578	+10.45%	+0.04%	3,512	-11.78%	-12.85%	6,090	-3.56%	-7.83%
	Q1	2,577	+9.85%	+0.00%	4,030	+1.03%	-2.63%	6,607	+4.29%	-1.62%
2018	Q4	2,577	+3.12%	+1.58%	4,139	+0.27%	+4.94%	6,716	+1.34%	+3.63%
	Q3	2,537	-0.20%	+8.70%	3,944	-5.06%	-0.93%	6,481	-3.21%	+2.63%
	Q2	2,334	-10.37%	-0.51%	3,981	-0.05%	-0.20%	6,315	-4.13%	-0.32%
	Q1	2,346	-9.56%	-6.12%	3,989	+0.00%	-3.37%	6,335	-3.77%	-4.41%
2017	Q4	2,499	-5.05%	-1.69%	4,128	+8.29%	-0.63%	6,627	+2.84%	-1.03%
	Q3	2,542	-2.61%	-2.38%	4,154	+13.13%	+4.29%	6,696	+6.59%	+1.65%
	Q2	2,604	-3.70%	+0.39%	3,983	+4.46%	-0.15%	6,587	+1.07%	+0.06%
	Q1	2,594	-11.62%	-1.44%	3,989	-2.06%	+4.64%	6,583	-6.06%	+2.16%
2016	Q4	2,632	-20.82%	+0.84%	3,812	-26.40%	+3.81%	6,444	-24.21%	+2.58%
	Q3	2,610	-25.87%	-3.48%	3,672	-37.32%	-3.70%	6,282	-33.02%	-3.61%
	Q2	2,704	-27.23%	-7.87%	3,813	-35.60%	-6.38%	6,517	-32.38%	-7.01%
	Q1	2,935	-23.29%	-11.70%	4,073	-38.33%	-21.36%	7,008	-32.82%	-17.58%
2015	Q4	3,324	-24.98%	-5.60%	5,179	-27.18%	-11.59%	8,503	-26.34%	-9.34%
	Q3	3,521	-20.68%	-5.25%	5,858	-18.10%	-1.06%	9,379	-19.09%	-2.68%
	Q2	3,716	-9.92%	-2.88%	5,921	-19.94%	-10.36%	9,637	-16.35%	-7.61%
	Q1	3,826	-13.54%	-13.65%	6,605	-9.48%	-7.13%	10,431	-11.01%	-9.63%
2014	Q4	4,431	-0.40%	-0.18%	7,112	-3.29%	-0.57%	11,543	-2.20%	-0.42%
	Q3	4,439	+1.63%	+7.61%	7,153	-11.68%	-3.29%	11,592	-7.02%	+0.62%
	Q2	4,125	-6.02%	-6.78%	7,396	-12.05%	+1.36%	11,521	-9.98%	-1.71%
	Q1	4,425	+2.29%	-0.54%	7,297	-17.01%	-0.78%	11,722	-10.65%	-0.69%
2013	Q4	4,449	-2.07%	+1.85%	7,354	-22.28%	-9.20%	11,803	-15.72%	-5.33%
	Q3	4,368	-3.23%	-0.48%	8,099	-17.15%	-3.69%	12,467	-12.76%	-2.59%
	Q2	4,389	-3.47%	+1.46%	8,409	-27.66%	-4.37%	12,798	-20.86%	-2.45%
	Q1	4,326	-8.52%	-4.78%	8,793	-32.79%	-7.07%	13,119	-26.34%	-6.33%
2012	Q4	4,543	+0.71%	+0.64%	9,462	-29.62%	-3.21%	14,005	-22.00%	-1.99%
	Q3	4,514	+0.00%	-0.73%	9,776	-31.19%	-15.90%	14,290	-23.67%	-11.63%
	Q2	4,547	+1.02%	-3.85%	11,624	-14.65%	-11.15%	16,171	-10.76%	-9.21%
	Q1	4,729	+8.36%	+4.83%	13,082	-1.20%	-2.69%	17,811	+1.17%	-0.80%
2011	Q4	4,511	+4.37%	-0.07%	13,444	+0.58%	-5.37%	17,955	+1.50%	-4.09%
	Q3	4,514	+7.25%	+0.29%	14,207	+7.43%	+4.32%	18,721	+7.39%	+3.32%
	Q2	4,501	+8.04%	+3.14%	13,619	+5.21%	+2.85%	18,120	+5.90%	+2.93%
	Q1	4,364	+9.81%	+0.97%	13,241	+7.43%	-0.94%	17,605	+8.01%	-0.47%
2010	Q4	4,322	+18.38%	+2.68%	13,367	+5.74%	+1.08%	17,689	+8.57%	+1.47%
	Q3	4,209	+10.85%	+1.03%	13,224	+0.16%	+2.16%	17,433	+2.55%	+1.88%
	Q2	4,166	+6.06%	+4.83%	12,945	-11.41%	+5.03%	17,111	-7.71%	+4.98%
	Q1	3,974	+5.86%	+8.85%	12,325	-20.81%	-2.50%	16,299	-15.62%	+0.04%
2009	Q4	3,651	+1.14%	-3.85%	12,641	-17.59%	-4.26%	16,292	-14.02%	-4.16%
	Q3	3,797	+10.25%	-3.34%	13,203	-10.73%	-9.65%	17,000	-6.77%	-8.31%
	Q2	3,928	+19.17%	+4.64%	14,613	+5.46%	-6.10%	18,541	+8.10%	-4.02%
	Q1	3,754	+22.00%	+3.99%	15,563	+18.11%	+1.46%	19,317	+18.84%	+1.94%
2008	Q4	3,610	+18.32%	+4.82%	15,339	+18.26%	+3.71%	18,949	+18.27%	+3.92%
	Q3	3,444	+15.92%	+4.49%	14,790	+14.32%	+6.74%	18,234	+14.62%	+6.31%
	Q2	3,296	+10.01%	+7.12%	13,856	+6.25%	+5.15%	17,152	+6.95%	+5.52%
	Q1	3,077	+2.57%	+0.85%	13,177	-1.35%	+1.59%	16,254	-0.63%	+1.45%